

**Appendices 1 to 11**

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**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States.

[n/d, physiographic province not divided into sections or only one section occurs in the Southwest; n/a, drainage area not computed because site is on canal or contains drainage from Mexico; SP, spatial analysis; SA, regional source and accumulation analysis; TR, trends; AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1]

| Surface-water-quality monitoring site |   | Location  |            |                        |                            |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|------------------------|----------------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin      | Hydrologic subregion       | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 08217500                              | Rio Grande at Wagon Wheel Gap, CO                   | 37°46'01" | 106°49'51" | Upper Rio Grande Basin | Rio Grande headwaters      | 13010001             | Southern Rocky Mountains | n/d                   | 780                | Yes  | n/d   | 1984                 | 2000              | SP,SA                             |
| 08251500                              | Rio Grande near Lobatos, CO                         | 37°04'42" | 105°45'22" | Upper Rio Grande Basin | Rio Grande headwaters      | 13010002             | Southern Rocky Mountains | n/d                   | 7,700              | Yes  | n/d   | 1975                 | 2003              | SP,SA,TR                          |
| 08263500                              | Rio Grande near Cerro, NM                           | 36°44'05" | 105°41'05" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 8,440              | Yes  | n/d   | 1979                 | 1987              | SP,SA                             |
| 08265000                              | Red River near Questa, NM                           | 36°42'12" | 105°34'04" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 113                | Yes  | n/d   | 1979                 | 1987              | SP,SA                             |
| 08266820                              | Red River below Fish Hatchery, near Questa, NM      | 36°40'54" | 105°39'21" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 185                | Yes  | n/d   | 1979                 | 1987              | SP,SA                             |
| 08267500                              | Rio Hondo near Valdez, NM                           | 36°32'30" | 105°33'21" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 36                 | Yes  | n/d   | 1986                 | 2002              | SP,SA,TR                          |
| 08276300                              | Rio Pueblo De Taos below Los Cordovas, NM           | 36°22'39" | 105°40'05" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 380                | Yes  | n/d   | 1986                 | 1998              | SP,SA                             |
| 08276500                              | Rio Grande below Taos Junction Bridge near Taos, NM | 36°19'12" | 105°45'14" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 9,730              | Yes  | n/d   | 1975                 | 2002              | SP,SA,TR                          |
| 08279000                              | Embudo Creek at Dixon, NM                           | 36°12'39" | 105°54'47" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 305                | Yes  | n/d   | 1974                 | 1997              | SP,SA,TR                          |
| 08284100                              | Rio Chama near La Puente, NM                        | 36°39'45" | 106°37'57" | Upper Rio Grande Basin | Rio Grande- Elephant Butte | 13020102             | Colorado Plateaus        | Navajo                | 480                | Yes  | Yes   | 1986                 | 2002              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                        |                           |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|------------------------|---------------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                              | Latitude  | Longitude  | Major river basin      | Hydrologic subregion      | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                        |                           |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 08286500                              | Rio Chama above Abiquiu Reservoir, NM  | 36°19'06" | 106°35'50" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020102             | Southern Rocky Mountains | n/d                   | 1,600              | No   | n/d   | 1976                 | 1986              | SP,SA                             |
| 08287000                              | Rio Chama below Abiquiu Dam, NM        | 36°14'12" | 106°24'59" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020102             | Southern Rocky Mountains | n/d                   | 2,147              | No   | n/d   | 1976                 | 1986              | SP,SA                             |
| 08290000                              | Rio Chama near Chamita, NM             | 36°04'26" | 106°06'40" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020102             | Southern Rocky Mountains | n/d                   | 3,144              | No   | n/d   | 1974                 | 2002              | SP,SA,TR                          |
| 08313000                              | Rio Grande at Otowi Bridge, NM         | 35°52'29" | 106°08'30" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020101             | Southern Rocky Mountains | n/d                   | 14,300             | Yes  | n/d   | 1974                 | 2002              | SP,SA,TR                          |
| 08317200                              | Santa Fe River above Cochiti Lake, NM  | 35°32'49" | 106°13'41" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020201             | Basin and Range          | Mexican Highland      | 231                | Yes  | Yes   | 1981                 | 1999              | SP,SA                             |
| 08319000                              | Rio Grande at San Felipe, NM           | 35°26'39" | 106°26'23" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020201             | Basin and Range          | Mexican Highland      | 16,100             | No   | No  | 1975                 | 2002              | SP,SA,TR                          |
| 08324000                              | Jemez River near Jemez, NM             | 35°39'42" | 106°44'34" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020202             | Southern Rocky Mountains | n/d                   | 470                | Yes  | n/d   | 1981                 | 2002              | SP,SA,TR                          |
| 08329000                              | Jemez River below Jemez Canyon Dam, NM | 35°23'24" | 106°32'03" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020202             | Basin and Range          | Mexican Highland      | 1,038              | No   | No  | 1974                 | 1988              | SP,SA,TR                          |
| 08330000                              | Rio Grande at Albuquerque, NM          | 35°05'21" | 106°40'47" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020203             | Basin and Range          | Mexican Highland      | 17,440             | No   | No  | 1981                 | 2002              | SP,SA,TR                          |
| 08332010                              | Rio Grande floodway near Bernardo, NM  | 34°25'01" | 106°48'00" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020203             | Basin and Range          | Mexican Highland      | 19,230             | No   | No  | 1974                 | 2002              | SP,SA,TR                          |
| 08353000                              | Rio Puerco near Bernardo, NM           | 34°24'33" | 106°51'09" | Upper Rio Grande Basin | Rio Grande-Elephant Butte | 13020204             | Basin and Range          | Mexican Highland      | 7,350              | Yes  | Yes   | 1974                 | 2002              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                           |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|---------------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin          | Hydrologic subregion      | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                            |                           |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 08354000                              | Rio Salado near San Acacia, NM                        | 34°17'50" | 106°53'59" | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | 13020209             | Basin and Range          | Mexican Highland      | 1,380              | No   | No  | 1974                 | 1984              | SP,SA                             |
| 08354900                              | Rio Grande floodway at San Acacia, NM                 | 34°15'23" | 106°53'18" | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | 13020203             | Basin and Range          | Mexican Highland      | 26,770             | No   | No  | 1975                 | 2002              | SP,SA,TR                          |
| 08358400                              | Rio Grande floodway at San Marcial, NM                | 33°40'50" | 106°59'30" | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | 13020203             | Basin and Range          | Mexican Highland      | 27,700             | No   | No  | 1974                 | 2002              | SP,SA,TR                          |
| 08364000                              | Rio Grande at El Paso, TX                             | 31°48'10" | 106°32'25" | Upper Rio Grande Basin     | Rio Grande-Mimbres        | 13030102             | Basin and Range          | Mexican Highland      | 32,210             | Yes  | Yes   | 1976                 | 2003              | SP,SA,TR                          |
| 08477110                              | Mimbres River at Mimbres, NM                          | 32°51'17" | 107°58'23" | Upper Rio Grande Basin     | Rio Grande-Mimbres        | 13030202             | Basin and Range          | Mexican Highland      | 184                | Yes  | Yes   | 1979                 | 1986              | SP,SA                             |
| 08481500                              | Tularosa Creek near Bent, NM                          | 33°08'41" | 105°53'50" | Upper Rio Grande Basin     | Rio Grande Closed Basins  | 13050003             | Basin and Range          | Mexican Highland      | 120                | Yes  | Yes   | 1974                 | 1995              | SP,SA,TR                          |
| 09010500                              | Colorado River below Baker Gulch, near Grand Lake, CO | 40°19'33" | 105°51'22" | Upper Colorado River Basin | Colorado headwaters       | 14010001             | Southern Rocky Mountains | n/d                   | 53                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09022000                              | Fraser River at upper station, near Winter Park, CO   | 39°50'45" | 105°45'05" | Upper Colorado River Basin | Colorado headwaters       | 14010001             | Southern Rocky Mountains | n/d                   | 11                 | Yes  | n/d   | 1986                 | 2003              | SP,TR                             |
| 09024000                              | Fraser River at Winter Park, CO                       | 39°54'00" | 105°46'34" | Upper Colorado River Basin | Colorado headwaters       | 14010001             | Southern Rocky Mountains | n/d                   | 28                 | Yes  | n/d   | 1983                 | 2003              | SP,SA,TR                          |
| 09025000                              | Vasquez Creek at Winter Park, CO                      | 39°55'13" | 105°47'05" | Upper Colorado River Basin | Colorado headwaters       | 14010001             | Southern Rocky Mountains | n/d                   | 28                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                            |                      |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 09025400                              | Elk Creek near Fraser, CO                        | 39°55'09" | 105°49'31" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 7                  | Yes  | n/d   | 1984                 | 1996              | SP                                |
| 09026500                              | St. Louis Creek near Fraser, CO                  | 39°54'36" | 105°52'40" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 33                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09032000                              | Ranch Creek near Fraser, CO                      | 39°57'00" | 105°45'54" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 20                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09032100                              | Cabin Creek near Fraser, CO                      | 39°59'09" | 105°44'40" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 5                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09034250                              | Colorado River at Windy Gap, near Granby, CO     | 40°06'30" | 106°00'13" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 789                | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09034500                              | Colorado River at Hot Sulphur Springs, CO        | 40°05'00" | 106°05'15" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 825                | Yes  | n/d   | 1974                 | 1994              | SP,SA,TR                          |
| 09034900                              | Bobtail Creek near Jones Pass, CO                | 39°45'37" | 105°54'21" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 5                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09035500                              | Williams Fork below Steelman Creek, CO           | 39°46'44" | 105°55'40" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 16                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09035700                              | Williams Fork above Darling Creek, near Leal, CO | 39°47'50" | 106°01'32" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 35                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09035800                              | Darling Creek near Leal, CO                      | 39°48'02" | 106°01'33" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 9                  | Yes  | n/d   | 1984                 | 2001              | SP,TR                             |
| 09035900                              | South Fork of Williams Fork near Leal, CO        | 39°47'45" | 106°01'48" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 27                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09036000                              | Williams Fork near Leal, CO                            | 39°50'02" | 106°03'21" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 90                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09037500                              | Williams Fork near Parshall, CO                        | 40°00'01" | 106°10'45" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 184                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09038500                              | Williams Fork below Williams Fork Reservoir, CO        | 40°02'07" | 106°12'17" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 230                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09039000                              | Troublesome Creek near Pearmont, CO                    | 40°13'03" | 106°18'45" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 45                 | Yes  | n/d   | 1984                 | 1993              | SP,SA                             |
| 09041500                              | Muddy Creek at Kremmling, CO                           | 40°03'37" | 106°23'51" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 290                | Yes  | n/d   | 1984                 | 1995              | SP,SA                             |
| 09046490                              | Blue River at Blue River, CO                           | 39°27'21" | 106°01'52" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 42                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09046600                              | Blue River near Dillon, CO                             | 39°34'00" | 106°02'56" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 121                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09047500                              | Snake River near Montezuma, CO                         | 39°36'20" | 105°56'33" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 58                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09047700                              | Keystone Gulch near Dillon, CO                         | 39°35'40" | 105°58'19" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 9                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09050100                              | Tenmile Creek below North Tenmile Creek, at Frisco, CO | 39°34'31" | 106°06'36" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 93                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09050700                              | Blue River below Dillon, CO                            | 39°37'32" | 106°03'57" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 335                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09051050                              | Straight Creek below Laskey Gulch near Dillon, CO | 39°38'23" | 106°02'23" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 18                 | Yes  | n/d   | 1987                 | 2003              | SP,SA,TR                          |
| 09052000                              | Rock Creek near Dillon, CO                        | 39°43'23" | 106°07'41" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 16                 | Yes  | n/d   | 1984                 | 1994              | SP                                |
| 09052400                              | Boulder Creek at upper station, near Dillon, CO   | 39°43'41" | 106°10'22" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 9                  | Yes  | n/d   | 1984                 | 1994              | SP                                |
| 09052800                              | Slate Creek at upper station, near Dillon, CO     | 39°45'47" | 106°11'31" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 14                 | Yes  | n/d   | 1984                 | 1994              | SP,SA                             |
| 09054000                              | Black Creek below Black Lake, near Dillon, CO     | 39°47'57" | 106°16'04" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 15                 | Yes  | n/d   | 1984                 | 1994              | SP,SA                             |
| 09055300                              | Cataract Creek near Kremmling, CO                 | 39°50'07" | 106°18'57" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 12                 | Yes  | n/d   | 1984                 | 1994              | SP                                |
| 09057500                              | Blue River below Green Mountain Reservoir, CO     | 39°52'49" | 106°20'00" | Upper Colorado River Basin | Colorado headwaters  | 14010002             | Southern Rocky Mountains | n/d                   | 599                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09058000                              | Colorado River near Kremmling, CO                 | 40°02'12" | 106°26'22" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 2,382              | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |



**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                      | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                            |                      |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 09058500                              | Piney River below Piney Lake, near Minturn, CO | 39°42'29" | 106°25'34" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 13                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09058610                              | Dickson Creek near Vail, CO                    | 39°42'14" | 106°27'25" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 3                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09058700                              | Freeman Creek near Minturn, CO                 | 39°41'54" | 106°26'42" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 3                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09058800                              | East Meadow Creek near Minturn, CO             | 39°43'54" | 106°25'34" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 4                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09059500                              | Piney River near state bridge, CO              | 39°48'00" | 106°35'00" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 86                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09060550                              | Rock Creek at Crater, CO                       | 39°58'42" | 106°42'34" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Wyoming Basin            | n/d                   | 73                 | No   | n/d   | 1985                 | 1999              | SP                                |
| 09060770                              | Rock Creek at McCoy, CO                        | 39°54'44" | 106°43'30" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Wyoming Basin            | n/d                   | 198                | Yes  | n/d   | 1984                 | 1997              | SP,SA                             |
| 09063000                              | Eagle River at Red Cliff, CO                   | 39°30'30" | 106°21'58" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 70                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09063200                              | Wearyman Creek near Red Cliff, CO              | 39°31'20" | 106°19'23" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 10                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09063400                              | Turkey Creek near Red Cliff, CO                | 39°31'22" | 106°20'08" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 24                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09063900                              | Missouri Creek near Gold Park, CO              | 39°23'25" | 106°28'10" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 6                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09064000                              | Homestake Creek at Gold Park, CO               | 39°24'20" | 106°25'58" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 36                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                     | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09064500                              | Homestake Creek near Red Cliff, CO            | 39°28'24" | 106°22'02" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 58                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09064600                              | Eagle River near Minturn, CO                  | 39°33'14" | 106°24'07" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 186                | Yes  | n/d   | 1990                 | 2003              | SP,SA                             |
| 09065100                              | Cross Creek near Minturn, CO                  | 39°34'05" | 106°24'43" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 34                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09065500                              | Gore Creek at upper station, near Minturn, CO | 39°37'33" | 106°16'39" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 14                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09066000                              | Black Gore Creek near Minturn, CO             | 39°35'47" | 106°15'52" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 13                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09066100                              | Bighorn Creek near Minturn, CO                | 39°38'24" | 106°17'34" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 5                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09066150                              | Pitkin Creek near Minturn, CO                 | 39°38'37" | 106°18'07" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 5                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09066200                              | Booth Creek near Minturn, CO                  | 39°38'54" | 106°19'21" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 6                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09066300                              | Middle Creek near Minturn, CO                 | 39°38'45" | 106°22'54" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 6                  | Yes  | n/d   | 1988                 | 2003              | SP,TR                             |
| 09066310                              | Gore Creek, lower station, at Vail, CO        | 39°38'28" | 106°23'37" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 77                 | Yes  | n/d   | 1989                 | 1999              | SP,SA                             |
| 09066400                              | Red Sandstone Creek near Minturn, CO          | 39°40'58" | 106°24'03" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 7                  | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09067000                              | Beaver Creek at Avon, CO                      | 39°37'47" | 106°31'20" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 15                 | Yes  | n/d   | 1975                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                            |                      |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 09067005                              | Eagle River at Avon, CO                                 | 39°37'54" | 106°31'19" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 395                | Yes  | n/d   | 1989                 | 1999              | SP,SA                             |
| 09067200                              | Lake Creek near Edwards, CO                             | 39°38'51" | 106°36'31" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 49                 | Yes  | n/d   | 1994                 | 2003              | SP,SA                             |
| 09070000                              | Eagle River below Gypsum, CO                            | 39°38'58" | 106°57'11" | Upper Colorado River Basin | Colorado headwaters  | 14010003             | Southern Rocky Mountains | n/d                   | 944                | Yes  | n/d   | 1984                 | 2000              | SP,SA                             |
| 09070500                              | Colorado River near Dotsero, CO                         | 39°38'38" | 107°04'38" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 4,394              | Yes  | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09071300                              | Grizzly Creek near Glenwood Springs, CO                 | 39°43'00" | 107°18'35" | Upper Colorado River Basin | Colorado headwaters  | 14010001             | Southern Rocky Mountains | n/d                   | 6                  | Yes  | n/d   | 1984                 | 1996              | SP,SA                             |
| 09073300                              | Roaring Fork River above Difficult Creek near Aspen, CO | 39°08'28" | 106°46'25" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 76                 | Yes  | n/d   | 1984                 | 2003              | SP,TR                             |
| 09073400                              | Roaring Fork River near Aspen, CO                       | 39°10'48" | 106°48'05" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 108                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09074000                              | Hunter Creek near Aspen, CO                             | 39°12'21" | 106°47'49" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 41                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09074800                              | Castle Creek above Aspen, CO                            | 39°05'15" | 106°48'42" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 32                 | Yes  | n/d   | 1984                 | 1994              | SP,SA                             |
| 09075700                              | Maroon Creek above Aspen, CO                            | 39°07'25" | 106°54'17" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 35                 | Yes  | n/d   | 1984                 | 1994              | SP,SA                             |
| 09080400                              | Fryingpan River near Ruedi, CO                          | 39°21'56" | 106°49'30" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 238                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09081600                              | Crystal River above Avalanche Creek, near Redstone, CO        | 39°13'56" | 107°13'36" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 167                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09085000                              | Roaring Fork River at Glenwood Springs, CO                    | 39°32'37" | 107°19'44" | Upper Colorado River Basin | Colorado headwaters  | 14010004             | Southern Rocky Mountains | n/d                   | 1,451              | Yes  | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09085100                              | Colorado River below Glenwood Springs, CO                     | 39°33'18" | 107°20'13" | Upper Colorado River Basin | Colorado headwaters  | 14010005             | Southern Rocky Mountains | n/d                   | 6,013              | Yes  | n/d   | 1980                 | 1999              | SP,SA                             |
| 09089500                              | West Divide Creek near Raven, CO                              | 39°19'52" | 107°34'46" | Upper Colorado River Basin | Colorado headwaters  | 14010005             | Colorado Plateaus        | Unita Basin           | 65                 | Yes  | Yes   | 1984                 | 2000              | SP,SA                             |
| 09093000                              | Parachute Creek near Parachute, CO                            | 39°34'01" | 108°06'37" | Upper Colorado River Basin | Colorado headwaters  | 14010006             | Colorado Plateaus        | Unita Basin           | 141                | Yes  | Yes   | 1976                 | 1986              | SP,SA                             |
| 09093700                              | Colorado River near De Beque, CO                              | 39°21'45" | 108°09'07" | Upper Colorado River Basin | Colorado headwaters  | 14010005             | Colorado Plateaus        | Unita Basin           | 7,370              | No   | No  | 1974                 | 1997              | SP,SA,TR                          |
| 09095500                              | Colorado River near Cameo, CO                                 | 39°14'21" | 108°15'56" | Upper Colorado River Basin | Colorado headwaters  | 14010005             | Colorado Plateaus        | Unita Basin           | 8,050              | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09105000                              | Plateau Creek near Cameo, CO                                  | 39°11'00" | 108°16'02" | Upper Colorado River Basin | Colorado headwaters  | 14010005             | Colorado Plateaus        | Unita Basin           | 592                | Yes  | Yes   | 1986                 | 2003              | SP,SA,TR                          |
| 09106150                              | Colorado River below Grand Valley Diversion near Palisade, CO | 39°05'55" | 108°21'16" | Upper Colorado River Basin | Colorado headwaters  | 14010005             | Colorado Plateaus        | Canyon Lands          | 8,753              | No   | No  | 1991                 | 2003              | SP,SA                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                            |                      |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 09109000                              | Taylor River below Taylor Park Reservoir, CO          | 38°49'06" | 106°36'31" | Upper Colorado River Basin | Gunnison             | 14020001             | Southern Rocky Mountains | n/d                   | 254                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09110000                              | Taylor River at Almont, CO                            | 38°39'52" | 106°50'41" | Upper Colorado River Basin | Gunnison             | 14020001             | Southern Rocky Mountains | n/d                   | 477                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09111500                              | Slate River near Crested Butte, CO                    | 38°52'11" | 106°58'08" | Upper Colorado River Basin | Gunnison             | 14020001             | Southern Rocky Mountains | n/d                   | 69                 | Yes  | n/d   | 1994                 | 2003              | SP,SA                             |
| 09112200                              | East River below Cement Creek, near Crested Butte, CO | 38°47'03" | 106°52'13" | Upper Colorado River Basin | Gunnison             | 14020001             | Southern Rocky Mountains | n/d                   | 238                | Yes  | n/d   | 1994                 | 2003              | SP                                |
| 09112500                              | East River at Almont, CO                              | 38°39'52" | 106°50'51" | Upper Colorado River Basin | Gunnison             | 14020001             | Southern Rocky Mountains | n/d                   | 289                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09114500                              | Gunnison River near Gunnison, CO                      | 38°32'31" | 106°56'57" | Upper Colorado River Basin | Gunnison             | 14020002             | Southern Rocky Mountains | n/d                   | 1,012              | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09115500                              | Tomichi Creek at Sargents, CO                         | 38°24'42" | 106°25'20" | Upper Colorado River Basin | Gunnison             | 14020003             | Southern Rocky Mountains | n/d                   | 149                | Yes  | n/d   | 1994                 | 2003              | SP,SA                             |
| 09118450                              | Cochetopa Creek below Rock Creek, near Parlin, CO     | 38°20'08" | 106°46'18" | Upper Colorado River Basin | Gunnison             | 14020003             | Southern Rocky Mountains | n/d                   | 334                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09119000                              | Tomichi Creek at Gunnison, CO                         | 38°31'18" | 106°56'25" | Upper Colorado River Basin | Gunnison             | 14020003             | Southern Rocky Mountains | n/d                   | 1,061              | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09124500                              | Lake Fork at Gateview, CO                             | 38°17'56" | 107°13'46" | Upper Colorado River Basin | Gunnison             | 14020002             | Southern Rocky Mountains | n/d                   | 334                | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                   | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                            |                      |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 09126000                              | Cimarron River near Cimarron, CO            | 38°15'26" | 107°32'46" | Upper Colorado River Basin | Gunnison             | 14020002             | Southern Rocky Mountains | n/d                   | 67                 | Yes  | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09128000                              | Gunnison River below Gunnison Tunnel, CO    | 38°31'45" | 107°38'54" | Upper Colorado River Basin | Gunnison             | 14020002             | Colorado Plateaus        | Canyon Lands          | 3,965              | No   | No  | 1984                 | 2003              | SP,SA,TR                          |
| 09128500                              | Smith Fork near Crawford, CO                | 38°43'40" | 107°30'22" | Upper Colorado River Basin | Gunnison             | 14020002             | Southern Rocky Mountains | n/d                   | 43                 | Yes  | n/d   | 1984                 | 1994              | SP,SA                             |
| 09132500                              | North Fork Gunnison River near Somerset, CO | 38°55'33" | 107°26'01" | Upper Colorado River Basin | Gunnison             | 14020004             | Southern Rocky Mountains | n/d                   | 526                | Yes  | n/d   | 1978                 | 2003              | SP,SA,TR                          |
| 09134000                              | Minnesota Creek near Paonia, CO             | 38°52'12" | 107°30'13" | Upper Colorado River Basin | Gunnison             | 14020004             | Colorado Plateaus        | Canyon Lands          | 41                 | No   | No  | 1986                 | 2003              | SP,TR                             |
| 09135900                              | Leroux Creek at Hotchkiss, CO               | 38°47'53" | 107°43'53" | Upper Colorado River Basin | Gunnison             | 14020004             | Colorado Plateaus        | Canyon Lands          | 67                 | Yes  | Yes   | 1984                 | 1996              | SP,SA                             |
| 09143000                              | Surface Creek near Cedaredge, CO            | 38°59'05" | 107°51'13" | Upper Colorado River Basin | Gunnison             | 14020005             | Colorado Plateaus        | Unita Basin           | 27                 | Yes  | Yes   | 1984                 | 1999              | SP                                |
| 09143500                              | Surface Creek at Cedaredge, CO              | 38°54'06" | 107°55'14" | Upper Colorado River Basin | Gunnison             | 14020005             | Colorado Plateaus        | Canyon Lands          | 39                 | No   | No  | 1984                 | 1999              | SP                                |
| 09144250                              | Gunnison River at Delta, CO                 | 38°45'11" | 108°04'40" | Upper Colorado River Basin | Gunnison             | 14020005             | Colorado Plateaus        | Canyon Lands          | 5,628              | No   | No  | 1984                 | 2003              | SP,SA,TR                          |
| 09146200                              | Uncompahgre River near Ridgway, CO          | 38°11'02" | 107°44'43" | Upper Colorado River Basin | Gunnison             | 14020006             | Colorado Plateaus        | Canyon Lands          | 149                | No   | No  | 1984                 | 2003              | SP,SA,TR                          |
| 09147000                              | Dallas Creek near Ridgway, CO               | 38°10'40" | 107°45'28" | Upper Colorado River Basin | Gunnison             | 14020006             | Colorado Plateaus        | Canyon Lands          | 97                 | No   | No  | 1984                 | 2002              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                        |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                     | Latitude  | Longitude  | Major river basin          | Hydrologic subregion   | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                            |                        |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09147025                              | Uncompahgre River below Ridgway Reservoir, CO | 38°14'17" | 107°45'31" | Upper Colorado River Basin | Gunnison               | 14020006             | Colorado Plateaus      | Canyon Lands          | 260                | No   | No  | 1989                 | 2003              | SP,SA,TR                          |
| 09147500                              | Uncompahgre River at Colona, CO               | 38°19'53" | 107°46'44" | Upper Colorado River Basin | Gunnison               | 14020006             | Colorado Plateaus      | Canyon Lands          | 448                | No   | No  | 1984                 | 2003              | SP,SA,TR                          |
| 09149500                              | Uncompahgre River at Delta, CO                | 38°44'31" | 108°04'49" | Upper Colorado River Basin | Gunnison               | 14020006             | Colorado Plateaus      | Canyon Lands          | 1,115              | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |
| 09152500                              | Gunnison River near Grand Junction, CO        | 38°59'00" | 108°27'00" | Upper Colorado River Basin | Gunnison               | 14020005             | Colorado Plateaus      | Canyon Lands          | 7,928              | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09153290                              | Reed Wash near Mack, CO                       | 39°12'41" | 108°48'11" | Upper Colorado River Basin | Colorado headwaters    | 14010005             | Colorado Plateaus      | Canyon Lands          | 16                 | Yes  | Yes   | 1984                 | 2000              | SP                                |
| 09153300                              | Reed Wash near Loma, CO                       | 39°11'01" | 108°47'12" | Upper Colorado River Basin | Colorado headwaters    | 14010005             | Colorado Plateaus      | Canyon Lands          | 29                 | Yes  | Yes   | 1974                 | 1983              | SP                                |
| 09163490                              | Salt Creek near Mack, CO                      | 39°13'18" | 108°53'32" | Upper Colorado River Basin | Colorado headwaters    | 14010005             | Colorado Plateaus      | Canyon Lands          | 436                | Yes  | Yes   | 1974                 | 1983              | SP,SA                             |
| 09163500                              | Colorado River near Colorado-Utah State Line  | 39°07'58" | 109°01'35" | Upper Colorado River Basin | Colorado headwaters    | 14010005             | Colorado Plateaus      | Canyon Lands          | 17,843             | No   | No  | 1979                 | 2003              | SP,SA,TR                          |
| 09165000                              | Dolores River below Rico, CO                  | 37°38'20" | 108°03'35" | Upper Colorado River Basin | Upper Colorado-Dolores | 14030002             | Colorado Plateaus      | Canyon Lands          | 105                | No   | No  | 1984                 | 1996              | SP,SA                             |
| 09166500                              | Dolores River at Dolores, CO                  | 37°28'21" | 108°29'49" | Upper Colorado River Basin | Upper Colorado-Dolores | 14030002             | Colorado Plateaus      | Canyon Lands          | 504                | Yes  | Yes   | 1984                 | 1996              | SP,SA                             |
| 09166950                              | Lost Canyon Creek near Dolores, CO            | 37°26'46" | 108°28'07" | Upper Colorado River Basin | Upper Colorado-Dolores | 14030002             | Colorado Plateaus      | Canyon Lands          | 71                 | Yes  | Yes   | 1985                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                            |                          |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|----------------------------|--------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                  | Latitude  | Longitude  | Major river basin          | Hydrologic subregion     | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                            |                          |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09169500                              | Dolores River at Bedrock, CO               | 38°18'37" | 108°53'05" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030002             | Colorado Plateaus      | Canyon Lands          | 2,024              | Yes  | Yes   | 1980                 | 2003              | SP,SA,TR                          |
| 09171100                              | Dolores River near Bedrock, CO             | 38°21'25" | 108°49'58" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030002             | Colorado Plateaus      | Canyon Lands          | 2,145              | Yes  | Yes   | 1980                 | 2003              | SP,SA,TR                          |
| 09172500                              | San Miguel River near Placerville, CO      | 38°02'33" | 108°07'54" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030003             | Colorado Plateaus      | Canyon Lands          | 310                | No   | No  | 1992                 | 2003              | SP,SA                             |
| 09177000                              | San Miguel River at Uravan, CO             | 38°21'26" | 108°42'44" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030003             | Colorado Plateaus      | Canyon Lands          | 1,499              | Yes  | Yes   | 1974                 | 1994              | SP,SA,TR                          |
| 09180000                              | Dolores River near Cisco, UT               | 38°47'50" | 109°11'40" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030004             | Colorado Plateaus      | Canyon Lands          | 4,580              | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |
| 09180500                              | Colorado River near Cisco, UT              | 38°48'38" | 109°17'34" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030005             | Colorado Plateaus      | Canyon Lands          | 24,100             | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09183000                              | Courthouse Wash near Moab, UT              | 38°36'46" | 109°34'45" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030005             | Colorado Plateaus      | Canyon Lands          | 162                | Yes  | Yes   | 1974                 | 1989              | SP,TR                             |
| 09184000                              | Mill Creek near Moab, UT                   | 38°33'44" | 109°30'48" | Upper Colorado River Basin | Upper Colorado-Dolores   | 14030005             | Colorado Plateaus      | Canyon Lands          | 75                 | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09205000                              | New Fork River near Big Piney, WY          | 42°34'02" | 109°55'46" | Green River Basin          | Great divide–upper Green | 14040102             | Wyoming Basin          | n/d                   | 1,230              | Yes  | n/d   | 1974                 | 1986              | SP,SA                             |
| 09209400                              | Green River near La Barge, WY              | 42°11'34" | 110°09'45" | Green River Basin          | Great divide–upper Green | 14040101             | Wyoming Basin          | n/d                   | 3,910              | Yes  | n/d   | 1974                 | 1994              | SP,SA,TR                          |
| 09211200                              | Green River below Fontenelle Reservoir, WY | 42°01'16" | 110°02'57" | Green River Basin          | Great divide–upper Green | 14040103             | Wyoming Basin          | n/d                   | 4,280              | Yes  | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09215550                              | Big Sandy River below Farson, WY           | 42°04'24" | 109°28'43" | Green River Basin          | Great divide–upper Green | 14040104             | Wyoming Basin          | n/d                   | 1,097              | Yes  | n/d   | 1982                 | 1999              | SP,SA                             |



**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                   |                          |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|-------------------|--------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin | Hydrologic subregion     | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                   |                          |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09216050                              | Big Sandy River at Gasson Bridge, near Eden, WY         | 41°56'51" | 109°41'15" | Green River Basin | Great divide–upper Green | 14040104             | Wyoming Basin          | n/d                   | 1,720              | Yes  | n/d   | 1975                 | 1999              | SP,SA,TR                          |
| 09217000                              | Green River near Green River, WY                        | 41°30'59" | 109°26'54" | Green River Basin | Great divide–upper Green | 14040106             | Wyoming Basin          | n/d                   | 14,000             | Yes  | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09222000                              | Blacks Fork near Lyman, WY                              | 41°27'08" | 110°10'20" | Green River Basin | Great divide–upper Green | 14040107             | Wyoming Basin          | n/d                   | 821                | Yes  | n/d   | 1974                 | 1983              | SP,SA                             |
| 09224700                              | Blacks Fork near Little America, WY                     | 41°32'46" | 109°41'34" | Green River Basin | Great divide–upper Green | 14040107             | Wyoming Basin          | n/d                   | 3,100              | Yes  | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09234500                              | Green River near Greendale, UT                          | 40°54'30" | 109°25'20" | Green River Basin | Great divide–upper Green | 14040106             | Middle Rocky Mountains | n/d                   | 19,350             | No   | n/d   | 1974                 | 2001              | SP,SA,TR                          |
| 09235600                              | Pot Creek above Diversions, near Vernal, UT             | 40°46'05" | 109°19'06" | Green River Basin | Great divide–upper Green | 14040106             | Middle Rocky Mountains | n/d                   | 25                 | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 09235800                              | Pot Creek near Vernal, UT                               | 40°40'25" | 109°03'03" | Green River Basin | Great divide–upper Green | 14040106             | Middle Rocky Mountains | n/d                   | 107                | Yes  | n/d   | 1974                 | 1982              | SP,SA                             |
| 09237450                              | Yampa River above Stagecoach Reservoir, CO              | 40°16'09" | 106°52'49" | Green River Basin | White-Yampa              | 14050001             | Wyoming Basin          | n/d                   | 208                | Yes  | n/d   | 1989                 | 2003              | SP,SA,TR                          |
| 09237500                              | Yampa River below Stagecoach Reservoir, CO              | 40°17'07" | 106°49'51" | Green River Basin | White-Yampa              | 14050001             | Wyoming Basin          | n/d                   | 228                | Yes  | n/d   | 1985                 | 2003              | SP,SA,TR                          |
| 09238900                              | Fish Creek at upper station, near Steamboat Springs, CO | 40°28'30" | 106°47'11" | Green River Basin | White-Yampa              | 14050001             | Wyoming Basin          | n/d                   | 25                 | No   | n/d   | 1983                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                    | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                   |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09239500                              | Yampa River at Steamboat Springs, CO         | 40°29'01" | 106°49'54" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 568                | Yes  | n/d   | 1975                 | 2003              | SP,SA,TR                          |
| 09242500                              | Elk River near Milner, CO                    | 40°30'53" | 106°57'12" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 415                | Yes  | n/d   | 1992                 | 2003              | SP,SA                             |
| 09243700                              | Middle Creek near Oak Creek, CO              | 40°23'08" | 106°59'33" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 24                 | Yes  | n/d   | 1983                 | 2001              | SP,TR                             |
| 09243800                              | Foidel Creek near Oak Creek, CO              | 40°20'45" | 107°05'04" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 9                  | Yes  | n/d   | 1985                 | 2001              | SP,TR                             |
| 09243900                              | Foidel Creek at Mouth, near Oak Creek, CO    | 40°23'25" | 106°59'39" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 18                 | Yes  | n/d   | 1984                 | 2001              | SP,TR                             |
| 09244410                              | Yampa River below Diversion, near Hayden, CO | 40°29'18" | 107°09'33" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 1,430              | Yes  | n/d   | 1975                 | 1986              | SP,SA                             |
| 09245000                              | Elkhead Creek near Elkhead, CO               | 40°40'11" | 107°17'04" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 64                 | Yes  | n/d   | 1985                 | 1996              | SP,SA                             |
| 09247600                              | Yampa River below Craig, CO                  | 40°28'51" | 107°36'49" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 1,750              | Yes  | n/d   | 1985                 | 2003              | SP,SA,TR                          |
| 09249750                              | Williams Fork at Mouth, near Hamilton, CO    | 40°26'14" | 107°38'50" | Green River Basin | White-Yampa          | 14050001             | Wyoming Basin          | n/d                   | 419                | Yes  | n/d   | 1984                 | 2001              | SP,SA,TR                          |
| 09251000                              | Yampa River near Maybell, CO                 | 40°30'10" | 108°01'45" | Green River Basin | White-Yampa          | 14050002             | Wyoming Basin          | n/d                   | 3,410              | Yes  | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09253000                              | Little Snake River near Slater, CO           | 40°59'58" | 107°08'34" | Green River Basin | White-Yampa          | 14050003             | Wyoming Basin          | n/d                   | 285                | No   | n/d   | 1975                 | 1999              | SP,SA,TR                          |
| 09255000                              | Slater Fork near Slater, CO                  | 40°58'57" | 107°22'56" | Green River Basin | White-Yampa          | 14050003             | Wyoming Basin          | n/d                   | 161                | Yes  | n/d   | 1985                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                   |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09260000                              | Little Snake River near Lily, CO                           | 40°32'50" | 108°25'25" | Green River Basin | White-Yampa          | 14050003             | Wyoming Basin          | n/d                   | 3,730              | Yes  | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09260050                              | Yampa River at Deerlodge Park, CO                          | 40°27'06" | 108°31'28" | Green River Basin | White-Yampa          | 14050002             | Middle Rocky Mountains | n/d                   | 7,660              | No   | n/d   | 1983                 | 1994              | SP,SA                             |
| 09261000                              | Green River near Jensen, UT                                | 40°24'34" | 109°14'05" | Green River Basin | Lower Green          | 14060001             | Colorado Plateaus      | Unita Basin           | 29,660             | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09261700                              | Big Brush Creek above Red Fleet Reservoir, near Vernal, UT | 40°35'20" | 109°27'53" | Green River Basin | Lower Green          | 14060002             | Middle Rocky Mountains | n/d                   | 77                 | Yes  | n/d   | 1982                 | 1991              | SP,SA                             |
| 09266500                              | Ashley Creek near Vernal, UT                               | 40°34'39" | 109°37'17" | Green River Basin | Lower Green          | 14060002             | Middle Rocky Mountains | n/d                   | 101                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 09270500                              | Dry Fork at mouth, near Dry Fork, UT                       | 40°31'35" | 109°36'18" | Green River Basin | Lower Green          | 14060002             | Middle Rocky Mountains | n/d                   | 115                | Yes  | n/d   | 1974                 | 1989              | SP,SA,TR                          |
| 09271500                              | Ashley Creek near Jensen, UT                               | 40°22'29" | 109°24'27" | Green River Basin | Lower Green          | 14060002             | Colorado Plateaus      | Unita Basin           | 383                | Yes  | Yes   | 1974                 | 1983              | SP,SA                             |
| 09275500                              | West Fork Duchesne River near Hanna, UT                    | 40°27'01" | 110°53'01" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains | n/d                   | 62                 | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 09276000                              | Wolf Creek above Rhoades Canyon near Hanna, UT             | 40°28'16" | 110°55'05" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains | n/d                   | 11                 | Yes  | n/d   | 1974                 | 1984              | SP                                |
| 09278000                              | South Fork Rock Creek near Hanna, UT                       | 40°32'54" | 110°41'37" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains | n/d                   | 16                 | Yes  | n/d   | 1974                 | 1991              | SP,TR                             |
| 09278500                              | Rock Creek near Hanna, UT                                  | 40°32'44" | 110°39'20" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains | n/d                   | 122                | Yes  | n/d   | 1975                 | 1988              | SP                                |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                   |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09279000                              | Rock Creek near Mountain Home, UT                        | 40°29'36" | 110°34'39" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains | n/d                   | 147                | Yes  | n/d   | 1974                 | 1991              | SP,TR                             |
| 09279100                              | Rock Creek near Talmage, UT                              | 40°18'40" | 110°29'36" | Green River Basin | Lower Green          | 14060003             | Colorado Plateaus      | Unita Basin           | 238                | No   | No  | 1974                 | 1991              | SP,SA,TR                          |
| 09279150                              | Duchesne River above Knight Diversion, near Duchesne, UT | 40°16'14" | 110°26'31" | Green River Basin | Lower Green          | 14060003             | Colorado Plateaus      | Unita Basin           | 623                | No   | No  | 1974                 | 1991              | SP,SA,TR                          |
| 09280400                              | Hobble Creek at Daniels Summit, near Wallsburg, UT       | 40°17'54" | 111°15'52" | Green River Basin | Lower Green          | 14060004             | Middle Rocky Mountains | n/d                   | 3                  | Yes  | n/d   | 1974                 | 1984              | SP                                |
| 09285000                              | Strawberry River near Soldier Springs, UT                | 40°08'00" | 111°01'27" | Green River Basin | Lower Green          | 14060004             | Colorado Plateaus      | Unita Basin           | 213                | No   | No  | 1974                 | 1991              | SP,SA,TR                          |
| 09287500                              | Water Hollow near Fruitland, UT                          | 40°14'30" | 110°58'48" | Green River Basin | Lower Green          | 14060004             | Colorado Plateaus      | Unita Basin           | 14                 | Yes  | Yes   | 1974                 | 1984              | SP                                |
| 09288000                              | Currant Creek near Fruitland, UT                         | 40°12'01" | 110°54'25" | Green River Basin | Lower Green          | 14060004             | Colorado Plateaus      | Unita Basin           | 140                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09288150                              | West Fork Avintaquin Creek near Fruitland, UT            | 39°59'35" | 110°48'51" | Green River Basin | Lower Green          | 14060004             | Colorado Plateaus      | Unita Basin           | 56                 | Yes  | Yes   | 1974                 | 1986              | SP                                |
| 09288180                              | Strawberry River near Duchesne, UT                       | 40°09'17" | 110°33'15" | Green River Basin | Lower Green          | 14060004             | Colorado Plateaus      | Unita Basin           | 917                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09288900                              | Sowers Creek near Duchesne, UT                           | 39°59'22" | 110°27'33" | Green River Basin | Lower Green          | 14060003             | Colorado Plateaus      | Unita Basin           | 41                 | Yes  | Yes   | 1974                 | 1987              | SP                                |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                   |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|-------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                    | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                   |                      |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 09292500                              | Yellowstone River near Altonah, UT           | 40°30'43" | 110°20'27" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains   | n/d                   | 132                | Yes  | n/d   | 1974                 | 1994              | SP,SA,TR                          |
| 09295000                              | Duchesne River at Myton, UT                  | 40°12'01" | 110°03'47" | Green River Basin | Lower Green          | 14060003             | Colorado Plateaus        | Unita Basin           | 2,643              | Yes  | Yes   | 1974                 | 1994              | SP,SA,TR                          |
| 09297000                              | Uinta River near Neola, UT                   | 40°32'08" | 110°03'46" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains   | n/d                   | 163                | Yes  | n/d   | 1974                 | 1983              | SP,SA                             |
| 09298000                              | Farm Creek near Whiterocks, UT               | 40°34'03" | 109°57'39" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains   | n/d                   | 15                 | Yes  | n/d   | 1974                 | 1981              | SP                                |
| 09299500                              | Whiterocks River near Whiterocks, UT         | 40°35'37" | 109°55'54" | Green River Basin | Lower Green          | 14060003             | Middle Rocky Mountains   | n/d                   | 109                | Yes  | n/d   | 1974                 | 1994              | SP,SA,TR                          |
| 09302000                              | Duchesne River near Randlett, UT             | 40°12'56" | 109°46'58" | Green River Basin | Lower Green          | 14060003             | Colorado Plateaus        | Unita Basin           | 4,247              | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |
| 09303000                              | North Fork White River at Burford, CO        | 39°59'15" | 107°36'50" | Green River Basin | White-Yampa          | 14050005             | Wyoming Basin            | n/d                   | 259                | No   | n/d   | 1977                 | 2001              | SP,SA,TR                          |
| 09303300                              | South Fork White River at Budes Resort, CO   | 39°50'36" | 107°20'03" | Green River Basin | White-Yampa          | 14050005             | Southern Rocky Mountains | n/d                   | 52                 | Yes  | n/d   | 1983                 | 1995              | SP                                |
| 09303400                              | South Fork White River near Budes Resort, CO | 39°51'51" | 107°32'00" | Green River Basin | White-Yampa          | 14050005             | Southern Rocky Mountains | n/d                   | 128                | Yes  | n/d   | 1983                 | 1995              | SP                                |
| 09303500                              | South Fork White River near Buford, CO       | 39°55'18" | 107°33'04" | Green River Basin | White-Yampa          | 14050005             | Southern Rocky Mountains | n/d                   | 152                | Yes  | n/d   | 1983                 | 1992              | SP                                |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09304000                              | South Fork White River at Buford, CO                 | 39°58'28" | 107°37'29" | Green River Basin | White-Yampa          | 14050005             | Wyoming Basin          | n/d                   | 177                | No   | n/d   | 1977                 | 1997              | SP,SA                             |
| 09304200                              | White River above Coal Creek, near Meeker, CO        | 40°00'18" | 107°49'29" | Green River Basin | White-Yampa          | 14050005             | Wyoming Basin          | n/d                   | 648                | No   | n/d   | 1974                 | 2003              | SP,SA,TR                          |
| 09304500                              | White River near Meeker, CO                          | 40°02'01" | 107°51'42" | Green River Basin | White-Yampa          | 14050005             | Wyoming Basin          | n/d                   | 755                | No   | n/d   | 1984                 | 2003              | SP,SA,TR                          |
| 09304800                              | White River below Meeker, CO                         | 40°00'48" | 108°05'33" | Green River Basin | White-Yampa          | 14050005             | Colorado Plateaus      | Unita Basin           | 1,024              | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09306007                              | Piceance Creek below Rio Blanco, CO                  | 39°49'34" | 108°10'57" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 177                | Yes  | Yes   | 1975                 | 1998              | SP,SA,TR                          |
| 09306022                              | Stewart Gulch above West Fork, near Rio Blanco, CO   | 39°48'48" | 108°11'00" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 44                 | Yes  | Yes   | 1975                 | 1985              | SP,SA                             |
| 09306058                              | Willow Creek near Rio Blanco, CO                     | 39°50'14" | 108°14'37" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 48                 | Yes  | Yes   | 1976                 | 1985              | SP,SA                             |
| 09306200                              | Piceance Creek below Ryan Gulch, near Rio Blanco, CO | 39°55'16" | 108°17'49" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 506                | Yes  | Yes   | 1974                 | 1998              | SP,SA,TR                          |
| 09306222                              | Piceance Creek at White River, CO                    | 40°04'39" | 108°14'07" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 652                | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                   |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09306235                              | Corral Gulch below Water Gulch, near Rangely, CO       | 39°54'22" | 108°31'56" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 9                  | Yes  | Yes   | 1975                 | 1989              | SP,SA,TR                          |
| 09306242                              | Corral Gulch near Rangely, CO                          | 39°55'13" | 108°28'20" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 32                 | Yes  | Yes   | 1975                 | 2003              | SP,SA,TR                          |
| 09306255                              | Yellow Creek near White River, CO                      | 40°10'07" | 108°24'02" | Green River Basin | White-Yampa          | 14050006             | Colorado Plateaus      | Unita Basin           | 262                | Yes  | Yes   | 1989                 | 2003              | SP,SA,TR                          |
| 09306290                              | White River below Boise Creek, near Rangely, CO        | 40°10'47" | 108°33'53" | Green River Basin | White-Yampa          | 14050007             | Colorado Plateaus      | Unita Basin           | 2,530              | Yes  | Yes   | 1983                 | 2003              | SP,SA,TR                          |
| 09306410                              | Evacuation Creek above Missouri Creek, near Dragon, UT | 39°47'52" | 109°04'26" | Green River Basin | White-Yampa          | 14050007             | Colorado Plateaus      | Unita Basin           | 100                | Yes  | Yes   | 1975                 | 1983              | SP,SA                             |
| 09306430                              | Evacuation Creek near mouth, near Watson, UT           | 39°57'08" | 109°09'31" | Green River Basin | White-Yampa          | 14050007             | Colorado Plateaus      | Unita Basin           | 284                | Yes  | Yes   | 1975                 | 1981              | SP,SA                             |
| 09306500                              | White River near Watson, UT                            | 39°58'44" | 109°10'41" | Green River Basin | White-Yampa          | 14050007             | Colorado Plateaus      | Unita Basin           | 4,020              | Yes  | Yes   | 1986                 | 2003              | SP,SA,TR                          |
| 09306800                              | Bitter Creek near Bonanza, UT                          | 39°45'12" | 109°21'15" | Green River Basin | White-Yampa          | 14050007             | Colorado Plateaus      | Unita Basin           | 324                | Yes  | Yes   | 1974                 | 1988              | SP,TR                             |
| 09306850                              | Bitter Creek at mouth, near Bonanza, UT                | 39°57'56" | 109°24'59" | Green River Basin | White-Yampa          | 14050007             | Colorado Plateaus      | Unita Basin           | 398                | Yes  | Yes   | 1975                 | 1983              | SP                                |
| 09306900                              | White River at mouth, near Ouray, UT                   | 40°03'54" | 109°38'06" | Green River Basin | White-Yampa          | 14050007             | Colorado Plateaus      | Unita Basin           | 5,120              | Yes  | Yes   | 1975                 | 1986              | SP,SA                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                   |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09307200                              | Pariette Draw near Ouray, UT                              | 40°04'58" | 109°52'22" | Green River Basin | Lower Green          | 14060005             | Colorado Plateaus      | Unita Basin           | 153                | Yes  | Yes   | 1976                 | 1984              | SP                                |
| 09307300                              | Pariette Draw at mouth, near Ouray, UT                    | 40°01'48" | 109°45'23" | Green River Basin | Lower Green          | 14060005             | Colorado Plateaus      | Unita Basin           | 298                | Yes  | Yes   | 1976                 | 1984              | SP,SA                             |
| 09307500                              | Willow Creek above diversions, near Ouray, UT             | 39°33'59" | 109°35'12" | Green River Basin | Lower Green          | 14060006             | Colorado Plateaus      | Unita Basin           | 297                | Yes  | Yes   | 1975                 | 1983              | SP,SA                             |
| 09308000                              | Willow Creek near Ouray, UT                               | 39°56'20" | 109°38'52" | Green River Basin | Lower Green          | 14060006             | Colorado Plateaus      | Unita Basin           | 897                | Yes  | Yes   | 1975                 | 1983              | SP,SA                             |
| 09308500                              | Minnie Maud Creek near Myton, UT                          | 39°47'55" | 110°33'55" | Green River Basin | Lower Green          | 14060005             | Colorado Plateaus      | Unita Basin           | 32                 | Yes  | Yes   | 1974                 | 1989              | SP,SA,TR                          |
| 09310000                              | Gooseberry Creek near Scofield, UT                        | 39°42'57" | 111°17'58" | Green River Basin | Lower Green          | 14060007             | Colorado Plateaus      | High Plateaus of Utah | 17                 | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09310500                              | Fish Creek above reservoir, near Scofield, UT             | 39°46'28" | 111°11'25" | Green River Basin | Lower Green          | 14060007             | Colorado Plateaus      | High Plateaus of Utah | 60                 | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09312600                              | White River below Tabbyune Creek, near Soldier Summit, UT | 39°52'33" | 111°02'12" | Green River Basin | Lower Green          | 14060007             | Colorado Plateaus      | High Plateaus of Utah | 76                 | Yes  | Yes   | 1974                 | 1992              | SP,SA,TR                          |
| 09312700                              | Beaver Creek near Soldier Summit, UT                      | 39°49'50" | 110°58'07" | Green River Basin | Lower Green          | 14060007             | Colorado Plateaus      | High Plateaus of Utah | 26                 | Yes  | Yes   | 1974                 | 1989              | SP,TR                             |
| 09312800                              | Willow Creek near Castle Gate, UT                         | 39°46'37" | 110°47'30" | Green River Basin | Lower Green          | 14060007             | Colorado Plateaus      | High Plateaus of Utah | 63                 | Yes  | No  | 1974                 | 1989              | SP,SA,TR                          |



**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                   |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09314250                              | Price River below Miller Creek, near Wellington, UT                   | 39°26'59" | 110°37'38" | Green River Basin | Lower Green          | 14060007             | Colorado Plateaus      | Canyon Lands          | 956                | Yes  | Yes   | 1974                 | 1986              | SP,SA                             |
| 09314280                              | Desert Seep Wash near Wellington, UT                                  | 39°25'16" | 110°38'44" | Green River Basin | Lower Green          | 14060007             | Colorado Plateaus      | Canyon Lands          | 191                | Yes  | Yes   | 1974                 | 1986              | SP,SA                             |
| 09315000                              | Green River at Green River, UT  | 38°59'10" | 110°09'02" | Green River Basin | Lower Green          | 14060008             | Colorado Plateaus      | Canyon Lands          | 44,850             | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09324500                              | Cottonwood Creek near Orangeville, UT                                 | 39°16'00" | 111°07'45" | Green River Basin | Lower Green          | 14060009             | Colorado Plateaus      | High Plateaus of Utah | 208                | Yes  | Yes   | 1976                 | 1984              | SP,SA                             |
| 09326500                              | Ferron Creek (upper station) near Ferron, UT                          | 39°06'15" | 111°12'57" | Green River Basin | Lower Green          | 14060009             | Colorado Plateaus      | High Plateaus of Utah | 138                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09328000                              | San Rafael River near Castle Dale, UT                                 | 39°08'37" | 110°53'50" | Green River Basin | Lower Green          | 14060009             | Colorado Plateaus      | Canyon Lands          | 930                | Yes  | Yes   | 1974                 | 1986              | SP,SA                             |
| 09328100                              | San Rafael River at San Rafael Bridge Campground, near Carbondale, UT | 39°04'51" | 110°39'56" | Green River Basin | Lower Green          | 14060009             | Colorado Plateaus      | Canyon Lands          | 1,284              | Yes  | Yes   | 1976                 | 1986              | SP,SA                             |
| 09328500                              | San Rafael River near Green River, UT                                 | 38°51'30" | 110°22'10" | Green River Basin | Lower Green          | 14060009             | Colorado Plateaus      | Canyon Lands          | 1,628              | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                             |                            |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|-----------------------------|----------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin           | Hydrologic subregion       | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                             |                            |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09329050                              | Seven Mile Creek near Fish Lake, UT                             | 38°37'40" | 111°38'50" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070003             | Colorado Plateaus      | High Plateaus of Utah | 24                 | Yes  | Yes   | 1974                 | 1992              | SP,TR                             |
| 09330000                              | Fremont River near Bicknell, UT                                 | 38°18'25" | 111°31'05" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070003             | Colorado Plateaus      | High Plateaus of Utah | 751                | Yes  | Yes   | 1977                 | 1992              | SP,SA                             |
| 09330230                              | Fremont River near Caineville, UT                               | 38°16'45" | 111°03'54" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070003             | Colorado Plateaus      | Canyon Lands          | 1,208              | Yes  | No  | 1974                 | 1991              | SP,SA,TR                          |
| 09332100                              | Muddy Creek below I-70, near Emery, UT                          | 38°48'44" | 111°11'53" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070002             | Colorado Plateaus      | Canyon Lands          | 418                | Yes  | Yes   | 1974                 | 1987              | SP,SA                             |
| 09332700                              | Muddy Creek at Delta Mine, near Hanksville, UT                  | 38°33'47" | 110°57'13" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070002             | Colorado Plateaus      | Canyon Lands          | 841                | Yes  | Yes   | 1976                 | 1986              | SP,SA                             |
| 09333500                              | Dirty Devil River above Poison Spring Wash, near Hanksville, UT | 38°05'39" | 110°24'24" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070004             | Colorado Plateaus      | Canyon Lands          | 4,159              | Yes  | Yes   | 1974                 | 1992              | SP,SA,TR                          |
| 09337000                              | Pine Creek near Escalante, UT                                   | 37°51'45" | 111°38'07" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070005             | Colorado Plateaus      | High Plateaus of Utah | 68                 | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09337500                              | Escalante River near Escalante, UT                              | 37°46'41" | 111°34'26" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070005             | Colorado Plateaus      | High Plateaus of Utah | 320                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                      |                      |                      |                          |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|----------------------|----------------------|----------------------|--------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin    | Hydrologic subregion | Hydrologic unit code | Physiographic province   | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                      |                      |                      |                          |                       |                    |  |   |                      |                   |                                   |
| 09339900                              | East Fork San Juan River above Sand Creek, near Pagosa Springs, CO | 37°23'23" | 106°50'26" | San Juan River Basin | San Juan             | 14080101             | Southern Rocky Mountains | n/d                   | 64                 | Yes  | n/d   | 1984                 | 1996              | SP,SA                             |
| 09342500                              | San Juan River at Pagosa Springs, CO                               | 37°15'58" | 107°00'37" | San Juan River Basin | San Juan             | 14080101             | Colorado Plateaus        | Navajo                | 298                | No   | No  | 1984                 | 1995              | SP,SA                             |
| 09346000                              | Navajo River at Edith, CO  | 37°00'10" | 106°54'25" | San Juan River Basin | San Juan             | 14080101             | Colorado Plateaus        | Navajo                | 172                | Yes  | Yes   | 1984                 | 1995              | SP,SA                             |
| 09346400                              | San Juan River near Carracas, CO                                   | 37°00'49" | 107°18'42" | San Juan River Basin | San Juan             | 14080101             | Colorado Plateaus        | Navajo                | 1,230              | Yes  | Yes   | 1984                 | 2003              | SP,SA,TR                          |
| 09349800                              | Piedra River near Arboles, CO                                      | 37°05'18" | 107°23'50" | San Juan River Basin | San Juan             | 14080102             | Colorado Plateaus        | Navajo                | 629                | Yes  | Yes   | 1984                 | 2003              | SP,SA,TR                          |
| 09352900                              | Vallecito Creek near Bayfield, CO                                  | 37°28'39" | 107°32'35" | San Juan River Basin | San Juan             | 14080101             | Colorado Plateaus        | Navajo                | 73                 | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09354500                              | Los Pinos River at La Boca, CO                                     | 37°00'34" | 107°35'56" | San Juan River Basin | San Juan             | 14080101             | Colorado Plateaus        | Navajo                | 520                | Yes  | Yes   | 1984                 | 2003              | SP,SA,TR                          |
| 09355000                              | Spring Creek at La Boca, CO  | 37°00'40" | 107°35'47" | San Juan River Basin | San Juan             | 14080101             | Colorado Plateaus        | Navajo                | 58                 | Yes  | Yes   | 1984                 | 2003              | SP,SA,TR                          |
| 09355500                              | San Juan River near Archuleta, NM                                  | 36°48'05" | 107°41'51" | San Juan River Basin | San Juan             | 14080101             | Colorado Plateaus        | Navajo                | 3,260              | Yes  | Yes   | 1974                 | 2002              | SP,SA,TR                          |
| 09359020                              | Animas River below Silverton, CO                                   | 37°47'25" | 107°40'01" | San Juan River Basin | San Juan             | 14080104             | Southern Rocky Mountains | n/d                   | 146                | Yes  | n/d   | 1992                 | 2003              | SP,SA                             |
| 09361500                              | Animas River at Durango, CO  | 37°16'45" | 107°52'47" | San Juan River Basin | San Juan             | 14080104             | Colorado Plateaus        | Navajo                | 692                | No   | No  | 1984                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                      |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|----------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin    | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09363500                              | Animas River near Cedar Hill, NM                 | 37°02'17" | 107°52'25" | San Juan River Basin | San Juan             | 14080104             | Colorado Plateaus      | Navajo                | 1,090              | Yes  | Yes   | 1987                 | 1998              | SP                                |
| 09364500                              | Animas River at Farmington, NM                   | 36°43'17" | 108°12'05" | San Juan River Basin | San Juan             | 14080104             | Colorado Plateaus      | Navajo                | 1,360              | Yes  | Yes   | 1974                 | 2002              | SP,SA,TR                          |
| 09367561                              | Shumway Arroyo near Waterflow, NM                | 36°46'24" | 108°26'26" | San Juan River Basin | San Juan             | 14080105             | Colorado Plateaus      | Navajo                | 74                 | Yes  | Yes   | 1975                 | 1984              | SP                                |
| 09367950                              | Chaco River near Waterflow, NM                   | 36°43'28" | 108°35'27" | San Juan River Basin | San Juan             | 14080106             | Colorado Plateaus      | Navajo                | 4,350              | Yes  | Yes   | 1976                 | 1989              | SP,SA                             |
| 09368000                              | San Juan River at Shiprock, NM                   | 36°47'32" | 108°43'54" | San Juan River Basin | San Juan             | 14080105             | Colorado Plateaus      | Navajo                | 12,900             | Yes  | Yes   | 1974                 | 2002              | SP,SA,TR                          |
| 09371000                              | Mancos River near Towaoc, CO                     | 37°01'39" | 108°44'27" | San Juan River Basin | San Juan             | 14080107             | Colorado Plateaus      | Canyon Lands          | 526                | Yes  | Yes   | 1984                 | 2003              | SP,SA,TR                          |
| 09371010                              | San Juan River at Four Corners, CO               | 37°00'20" | 109°02'00" | San Juan River Basin | San Juan             | 14080201             | Colorado Plateaus      | Navajo                | 14,600             | Yes  | Yes   | 1978                 | 2002              | SP,SA,TR                          |
| 09371492                              | Mud Creek at State Highway 32, near Cortez, CO   | 37°18'46" | 108°39'38" | San Juan River Basin | San Juan             | 14080202             | Colorado Plateaus      | Canyon Lands          | 34                 | Yes  | Yes   | 1994                 | 2003              | SP                                |
| 09371500                              | McElmo Creek near Cortez, CO                     | 37°19'22" | 108°40'21" | San Juan River Basin | San Juan             | 14080202             | Colorado Plateaus      | Canyon Lands          | 230                | Yes  | Yes   | 1983                 | 1993              | SP,SA                             |
| 09371520                              | McElmo Creek above Trail Canyon, near Cortez, CO | 37°19'36" | 108°42'00" | San Juan River Basin | San Juan             | 14080202             | Colorado Plateaus      | Canyon Lands          | 234                | Yes  | Yes   | 1994                 | 2003              | SP                                |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                             |                            |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|-----------------------------|----------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin           | Hydrologic subregion       | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                             |                            |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09372000                              | McElmo Creek near Colorado-Utah state line                 | 37°19'27" | 109°00'54" | San Juan River Basin        | San Juan                   | 14080202             | Colorado Plateaus      | Canyon Lands          | 346                | Yes  | Yes   | 1978                 | 2003              | SP,SA,TR                          |
| 09378200                              | Montezuma Creek at golf course at Monticello, UT           | 37°51'38" | 109°20'30" | San Juan River Basin        | San Juan                   | 14080203             | Colorado Plateaus      | Canyon Lands          | 18                 | Yes  | Yes   | 1980                 | 1991              | SP                                |
| 09378630                              | Recapture Creek near Blanding, UT                          | 37°45'20" | 109°28'33" | San Juan River Basin        | San Juan                   | 14080201             | Colorado Plateaus      | Canyon Lands          | 4                  | Yes  | Yes   | 1974                 | 1991              | SP,TR                             |
| 09378650                              | Recapture Creek below Johnson Creek, near Blanding, UT     | 37°40'51" | 109°27'43" | San Juan River Basin        | San Juan                   | 14080201             | Colorado Plateaus      | Canyon Lands          | 50                 | Yes  | Yes   | 1978                 | 1989              | SP,SA                             |
| 09378700                              | Cottonwood Wash near Blanding, UT                          | 37°33'38" | 109°34'41" | San Juan River Basin        | San Juan                   | 14080201             | Colorado Plateaus      | Canyon Lands          | 205                | Yes  | Yes   | 1974                 | 1987              | SP,SA                             |
| 09379500                              | San Juan River near Bluff, UT                              | 37°08'49" | 109°51'51" | San Juan River Basin        | San Juan                   | 14080205             | Colorado Plateaus      | Canyon Lands          | 23,000             | Yes  | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09380000                              | Colorado River at Lees Ferry, AZ                           | 36°51'53" | 111°35'15" | Middle Colorado River Basin | Upper Colorado-Dirty Devil | 14070006             | Colorado Plateaus      | High Plateaus of Utah | 111,800            | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09383400                              | Little Colorado River at Greer, AZ                         | 34°01'00" | 109°27'24" | Little Colorado River Basin | Little Colorado            | 15020001             | Colorado Plateaus      | Datil                 | 29                 | Yes  | Yes   | 1976                 | 1982              | SP,SA                             |
| 09384000                              | Little Colorado River above Lyman Lake, near St. Johns, AZ | 34°18'52" | 109°21'42" | Little Colorado River Basin | Little Colorado            | 15020001             | Colorado Plateaus      | Datil                 | 706                | Yes  | Yes   | 1976                 | 1984              | SP,SA                             |
| 09386950                              | Zuni River above Black Rock Reservoir, NM                  | 35°06'03" | 108°45'00" | Little Colorado River Basin | Little Colorado            | 15020004             | Colorado Plateaus      | Navajo                | 848                | Yes  | Yes   | 1979                 | 1994              | SP,SA                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                             |                          |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|-----------------------------|--------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin           | Hydrologic subregion     | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                             |                          |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09403600                              | Kanab Creek near Kanab, UT  | 37°06'02" | 112°32'50" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010003             | Colorado Plateaus      | High Plateaus of Utah | 196                | Yes  | Yes   | 1979                 | 1991              | SP,SA                             |
| 09404450                              | East Fork Virgin River near Glendale, UT                          | 37°20'22" | 112°36'13" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010008             | Colorado Plateaus      | High Plateaus of Utah | 74                 | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09406000                              | Virgin River at Virgin, UT  | 37°12'15" | 113°10'48" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010008             | Colorado Plateaus      | High Plateaus of Utah | 956                | Yes  | Yes   | 1979                 | 2002              | SP,SA,TR                          |
| 09409880                              | Santa Clara River at Gunlock, UT                                  | 37°16'55" | 113°46'00" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010008             | Basin and Range        | Great Basin           | 271                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 09415000                              | Virgin River at Littlefield, AZ                                   | 36°53'30" | 113°55'25" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010010             | Basin and Range        | Great Basin           | 5,090              | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09419515                              | Muddy River above Lake Mead, near Overton, NV                     | 36°31'21" | 114°24'49" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010005             | Basin and Range        | Great Basin           | 7,215              | Yes  | Yes   | 1985                 | 1993              | SP,SA                             |
| 09419678.3                            | Las Vegas Wash below Flamingo Wash confluence, near Las Vegas, NV | 36°08'23" | 115°02'49" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010015             | Basin and Range        | Sonoran Desert        | 1,352              | Yes  | Yes   | 1997                 | 2003              | SP                                |
| 09419800                              | Las Vegas Wash below Lake Las Vegas, near Boulder City, NV        | 36°07'20" | 114°54'15" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010015             | Basin and Range        | Sonoran Desert        | 2,193              | Yes  | Yes   | 1974                 | 1984              | SP,SA                             |
| 09421500                              | Colorado River below Hoover Dam, AZ-NV                            | 36°00'55" | 114°44'16" | Middle Colorado River Basin | Lower Colorado-Lake Mead | 15010005             | Basin and Range        | Sonoran Desert        | 171,700            | No   | No  | 1974                 | 2003              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |                            |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|----------------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |                            |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 09424150                              | Colorado River Aqueduct near Parker Dam, AZ-CA         | 34°18'58" | 114°09'23" | Lower Colorado River Basin | Lower Colorado       | 15030101             | Basin and Range        | Sonoran Desert        | n/a                | No   | No  | 1982                 | 2003              | SP,TR                             |
| 09426600                              | Bill Williams River near Planet, AZ                    | 34°15'18" | 114°00'32" | Lower Colorado River Basin | Lower Colorado       | 15030204             | Basin and Range        | Sonoran Desert        | 5,320              | No   | No  | 1989                 | 2003              | SP,SA,TR                          |
| 09426650                              | Central Arizona Project Canal at Havasu Pumping Plant  | 34°17'20" | 114°06'37" | Lower Colorado River Basin | Lower Colorado       | 15030204             | Basin and Range        | Sonoran Desert        | n/a                | No   | No  | 1985                 | 2003              | SP,TR                             |
| 09427520                              | Colorado River below Parker Dam, AZ-CA                 | 34°17'44" | 114°08'22" | Lower Colorado River Basin | Lower Colorado       | 15030104             | Basin and Range        | Sonoran Desert        | 182,700            | No   | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09429490                              | Colorado River above Imperial Dam, AZ-CA               | 32°53'01" | 114°28'00" | Lower Colorado River Basin | Lower Colorado       | 15030104             | Basin and Range        | Sonoran Desert        | 188,500            | No   | No  | 1977                 | 2003              | SP,SA,TR                          |
| 09430600                              | Mogollon Creek near Cliff, NM                          | 33°10'00" | 108°38'57" | Gila River Basin           | Upper Gila           | 15040001             | Basin and Range        | Mexican Highland      | 69                 | Yes  | Yes   | 1974                 | 1996              | SP,SA,TR                          |
| 09431500                              | Gila River near Redrock, NM                            | 32°43'37" | 108°40'30" | Gila River Basin           | Upper Gila           | 15040002             | Basin and Range        | Mexican Highland      | 2,829              | Yes  | Yes   | 1974                 | 2002              | SP,SA,TR                          |
| 09444000                              | San Francisco River near Glenwood, NM                  | 33°14'48" | 108°52'47" | Gila River Basin           | Upper Gila           | 15040004             | Basin and Range        | Mexican Highland      | 1,653              | Yes  | Yes   | 1974                 | 2002              | SP,SA,TR                          |
| 09444600                              | San Francisco River near Clifton, AZ                   | 33°01'33" | 109°18'06" | Gila River Basin           | Upper Gila           | 15040004             | Basin and Range        | Mexican Highland      | 2,770              | Yes  | Yes   | 1976                 | 1993              | SP,SA,TR                          |
| 09448500                              | Gila River at head of Safford Valley, near Solomon, AZ | 32°52'06" | 109°30'38" | Gila River Basin           | Upper Gila           | 15040005             | Basin and Range        | Mexican Highland      | 7,896              | Yes  | Yes   | 1976                 | 2003              | SP,TR                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                   |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|-------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                       | Latitude  | Longitude  | Major river basin | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09466500                              | Gila River at Calva, AZ                         | 33°11'08" | 110°13'10" | Gila River Basin  | Upper Gila           | 15040005             | Basin and Range        | Mexican Highland      | 11,470             | Yes  | Yes   | 1975                 | 2003              | SP,SA,TR                          |
| 09471000                              | San Pedro River at Charleston, AZ               | 31°37'33" | 110°10'26" | Gila River Basin  | Middle Gila          | 15050202             | Basin and Range        | Mexican Highland      | 1,234              | Yes  | Yes   | 1977                 | 2003              | SP,SA,TR                          |
| 09474000                              | Gila River at Kelvin, AZ                        | 33°06'10" | 110°58'33" | Gila River Basin  | Middle Gila          | 15050100             | Basin and Range        | Mexican Highland      | 18,011             | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |
| 09498400                              | Pinal Creek at Inspiration Dam, near Globe, AZ  | 33°34'23" | 110°54'02" | Gila River Basin  | Salt                 | 15060103             | Basin and Range        | Mexican Highland      | 195                | Yes  | Yes   | 1980                 | 2003              | SP,SA,TR                          |
| 09498500                              | Salt River near Roosevelt, AZ                   | 33°37'10" | 110°55'15" | Gila River Basin  | Salt                 | 15060103             | Basin and Range        | Mexican Highland      | 4,306              | Yes  | Yes   | 1976                 | 2003              | SP,SA,TR                          |
| 09499000                              | Tonto Creek above Gun Creek, near Roosevelt, AZ | 33°58'48" | 111°18'10" | Gila River Basin  | Salt                 | 15060105             | Basin and Range        | Mexican Highland      | 675                | Yes  | Yes   | 1976                 | 1992              | SP,SA,TR                          |
| 09502000                              | Salt River below Stewart Mountain Dam, AZ       | 33°33'10" | 111°34'33" | Gila River Basin  | Salt                 | 15060106             | Basin and Range        | Sonoran Desert        | 6,232              | Yes  | No  | 1974                 | 2003              | SP,SA,TR                          |
| 09504000                              | Verde River near Clarkdale, AZ                  | 34°51'08" | 112°03'55" | Gila River Basin  | Salt                 | 15060202             | Basin and Range        | Mexican Highland      | 3,503              | No   | No  | 1976                 | 2003              | SP,SA,TR                          |
| 09504440                              | Oak Creek at Red Rock Crossing, near Sedona, AZ | 34°49'28" | 111°48'20" | Gila River Basin  | Salt                 | 15060202             | Basin and Range        | Mexican Highland      | 252                | No   | No  | 1982                 | 1994              | SP,SA                             |
| 09505800                              | West Clear Creek near Camp Verde, AZ            | 34°32'19" | 111°41'36" | Gila River Basin  | Salt                 | 15060203             | Basin and Range        | Mexican Highland      | 241                | No   | No  | 1996                 | 2003              | SP,SA                             |



**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                            |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|----------------------------|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin          | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 09507980                              | East Verde River near Childs, AZ  | 34°16'35" | 111°38'17" | Gila River Basin           | Salt                 | 15060203             | Basin and Range        | Mexican Highland      | 331                | Yes  | Yes   | 1991                 | 2003              | SP,SA                             |
| 09508300                              | Wet Bottom Creek near Childs, AZ  | 34°09'39" | 111°41'32" | Gila River Basin           | Salt                 | 15060203             | Basin and Range        | Mexican Highland      | 36                 | Yes  | Yes   | 1974                 | 1996              | SP,SA,TR                          |
| 09508500                              | Verde River below Tangle Creek, above Horseshoe Dam, AZ                   | 34°04'23" | 111°42'56" | Gila River Basin           | Salt                 | 15060203             | Basin and Range        | Mexican Highland      | 5,858              | Yes  | Yes   | 1981                 | 2003              | SP,SA,TR                          |
| 09510000                              | Verde River below Bartlett Dam, AZ  | 33°48'30" | 111°39'46" | Gila River Basin           | Salt                 | 15060203             | Basin and Range        | Mexican Highland      | 6,161              | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |
| 09512800                              | Agua Fria River near Rock Springs, AZ                                     | 34°00'56" | 112°10'02" | Gila River Basin           | Lower Gila           | 15070102             | Basin and Range        | Mexican Highland      | 1,111              | Yes  | Yes   | 1982                 | 1996              | SP,SA                             |
| 09518000                              | Gila River above diversions, at Gillespie Dam, AZ                         | 33°13'45" | 112°46'00" | Gila River Basin           | Lower Gila           | 15070101             | Basin and Range        | Sonoran Desert        | 49,650             | Yes  | No  | 1974                 | 1998              | SP,SA,TR                          |
| 09520500                              | Gila River near Dome, AZ  | 32°45'39" | 114°25'11" | Gila River Basin           | Lower Gila           | 15070201             | Basin and Range        | Sonoran Desert        | 57,850             | Yes  | No  | 1984                 | 1994              | SP,SA                             |
| 09522000                              | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 32°43'07" | 114°43'05" | Lower Colorado River Basin | Lower Colorado       | 15030108             | Basin and Range        | Salton Trough         | 246,700            | No   | No  | 1974                 | 1999              | SP,SA,TR                          |
| 09527500                              | All-American Canal below Pilot Knob Wasteway, CA                          | 32°44'07" | 114°43'23" | Lower Colorado River Basin | Lower Colorado       | 15030107             | Basin and Range        | Salton Trough         | n/a                | No   | No  | 1974                 | 2003              | SP,TR                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |  |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|--|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                      | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 10010400                              | East Fork Bear River near Evanston, WY                                   | 40°52'25" | 110°47'00" | Great Salt Lake and Sevier River Basin | Bear                 | 16010101             | Middle Rocky Mountains | n/d                   | 35                 | Yes  | n/d   | 1974                 | 1986              | SP,SA                             |
| 10011500                              | Bear River near Utah-Wyoming state line                                  | 40°57'55" | 110°51'10" | Great Salt Lake and Sevier River Basin | Bear                 | 16010101             | Middle Rocky Mountains | n/d                   | 59                 | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10015700                              | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY | 41°07'45" | 110°48'21" | Great Salt Lake and Sevier River Basin | Bear                 | 16010101             | Middle Rocky Mountains | n/d                   | 64                 | Yes  | n/d   | 1974                 | 1991              | SP,TR                             |
| 10015900                              | Sulphur Creek below reservoir, near Evanston, WY                         | 41°09'22" | 110°50'04" | Great Salt Lake and Sevier River Basin | Bear                 | 16010101             | Middle Rocky Mountains | n/d                   | 69                 | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10020100                              | Bear River above reservoir, near Woodruff, UT                            | 41°26'04" | 111°01'01" | Great Salt Lake and Sevier River Basin | Bear                 | 16010101             | Middle Rocky Mountains | n/d                   | 755                | Yes  | n/d   | 1974                 | 1991              | SP,TR                             |
| 10020300                              | Bear River below reservoir, near Woodruff, UT                            | 41°30'20" | 111°00'50" | Great Salt Lake and Sevier River Basin | Bear                 | 16010101             | Middle Rocky Mountains | n/d                   | 784                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10026500                              | Bear River near Randolph, UT   | 41°48'02" | 111°04'20" | Great Salt Lake and Sevier River Basin | Bear                 | 16010101             | Middle Rocky Mountains | n/d                   | 1,616              | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10032000                              | Smiths Fork near Border, WY  | 42°17'36" | 110°52'18" | Great Salt Lake and Sevier River Basin | Bear                 | 16010102             | Middle Rocky Mountains | n/d                   | 165                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10038000                              | Bear River below Smiths Fork, near Cokeville, WY                         | 42°07'36" | 110°58'21" | Great Salt Lake and Sevier River Basin | Bear                 | 16010102             | Middle Rocky Mountains | n/d                   | 2,447              | Yes  | n/d   | 1974                 | 2003              | SP,TR                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |  |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|--|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                      | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |  |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 10039500                              | Bear River at Border, WY                               | 42°12'40" | 111°03'11" | Great Salt Lake and Sevier River Basin | Bear                 | 16010102             | Middle Rocky Mountains | n/d                   | 2,480              | Yes  | n/d   | 1974                 | 1993              | SP,SA,TR                          |
| 10041000                              | Thomas Fork near Wyoming-Idaho state line              | 42°24'10" | 111°01'30" | Great Salt Lake and Sevier River Basin | Bear                 | 16010102             | Middle Rocky Mountains | n/d                   | 113                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10068500                              | Bear River at Pescadero, ID                            | 42°24'06" | 111°21'22" | Great Salt Lake and Sevier River Basin | Bear                 | 16010201             | Middle Rocky Mountains | n/d                   | 3,705              | Yes  | n/d   | 1974                 | 1993              | SP,SA,TR                          |
| 10092700                              | Bear River at Idaho-Utah state line                    | 42°00'47" | 111°55'14" | Great Salt Lake and Sevier River Basin | Bear                 | 16010202             | Basin and Range        | Great Basin           | 4,884              | No   | No  | 1974                 | 1991              | SP,SA,TR                          |
| 10093000                              | Cub River near Preston, ID                             | 42°08'28" | 111°41'19" | Great Salt Lake and Sevier River Basin | Bear                 | 16010202             | Middle Rocky Mountains | n/d                   | 32                 | Yes  | n/d   | 1974                 | 1984              | SP                                |
| 10099000                              | High Creek near Richmond, UT                           | 41°58'40" | 111°44'40" | Great Salt Lake and Sevier River Basin | Bear                 | 16010202             | Basin and Range        | Great Basin           | 16                 | No   | No  | 1979                 | 1989              | SP                                |
| 10104700                              | Little Bear River below Davenport Creek, near Avon, UT | 41°30'45" | 111°48'40" | Great Salt Lake and Sevier River Basin | Bear                 | 16010203             | Middle Rocky Mountains | n/d                   | 62                 | Yes  | n/d   | 1974                 | 1992              | SP,SA,TR                          |
| 10106000                              | Little Bear River near Paradise, UT                    | 41°35'25" | 111°51'10" | Great Salt Lake and Sevier River Basin | Bear                 | 16010203             | Middle Rocky Mountains | n/d                   | 198                | Yes  | n/d   | 1974                 | 1984              | SP,SA                             |
| 10109000                              | Logan River above State Dam, near Logan, UT            | 41°44'36" | 111°46'55" | Great Salt Lake and Sevier River Basin | Bear                 | 16010203             | Basin and Range        | Great Basin           | 214                | No   | No  | 1974                 | 1992              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |  |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|--|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin                      | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
| 10113500                              | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT | 41°37'25" | 111°44'17" | Great Salt Lake and Sevier River Basin | Bear                 | 16010203             | Middle Rocky Mountains | n/d                   | 263                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10118000                              | Bear River near Collinston, UT  | 41°50'03" | 112°03'16" | Great Salt Lake and Sevier River Basin | Bear                 | 16010204             | Basin and Range        | Great Basin           | 6,271              | Yes  | Yes   | 1974                 | 1981              | SP,SA                             |
| 10125500                              | Malad River at Woodruff, ID   | 42°01'48" | 112°13'45" | Great Salt Lake and Sevier River Basin | Bear                 | 16010204             | Basin and Range        | Great Basin           | 472                | Yes  | Yes   | 1974                 | 1982              | SP,SA                             |
| 10125600                              | Malad River near Plymouth, UT   | 41°50'19" | 112°08'49" | Great Salt Lake and Sevier River Basin | Bear                 | 16010204             | Basin and Range        | Great Basin           | 623                | Yes  | Yes   | 1974                 | 1980              | SP,SA                             |
| 10126000                              | Bear River near Corinne, UT   | 41°34'35" | 112°06'00" | Great Salt Lake and Sevier River Basin | Bear                 | 16010204             | Basin and Range        | Great Basin           | 7,029              | Yes  | Yes   | 1974                 | 2000              | SP,SA,TR                          |
| 10126180                              | Sulphur Creek near Corinne, UT  | 41°34'25" | 112°13'07" | Great Salt Lake and Sevier River Basin | Bear                 | 16010204             | Basin and Range        | Great Basin           | 15                 | Yes  | Yes   | 1974                 | 1984              | SP,SA                             |
| 10128500                              | Weber River near Oakley, UT   | 40°44'14" | 111°14'50" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020101             | Middle Rocky Mountains | n/d                   | 162                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10130500                              | Weber River near Coalville, UT  | 40°53'43" | 111°24'04" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020101             | Middle Rocky Mountains | n/d                   | 435                | Yes  | n/d   | 1974                 | 2000              | SP,SA,TR                          |
| 10131000                              | Chalk Creek at Coalville, UT  | 40°55'14" | 111°24'03" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020101             | Middle Rocky Mountains | n/d                   | 250                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |  |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|--|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name                                  | Latitude  | Longitude  | Major river basin                      | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |  |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 10134500                              | East Canyon Creek near Morgan, UT          | 40°55'21" | 111°36'23" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020102             | Middle Rocky Mountains | n/d                   | 144                | Yes  | n/d   | 1975                 | 1991              | SP,SA,TR                          |
| 10136500                              | Weber River at Gateway, UT                 | 41°08'13" | 111°49'54" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020102             | Basin and Range        | Great Basin           | 1,627              | No   | No  | 1974                 | 1991              | SP,SA,TR                          |
| 10137500                              | South Fork Ogden River near Huntsville, UT | 41°16'07" | 111°40'24" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020102             | Middle Rocky Mountains | n/d                   | 137                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10139300                              | Wheeler Creek near Huntsville, UT          | 41°15'14" | 111°50'32" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020102             | Middle Rocky Mountains | n/d                   | 11                 | Yes  | n/d   | 1974                 | 1991              | SP,TR                             |
| 10141000                              | Weber River near Plain City, UT            | 41°16'42" | 112°05'28" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020102             | Basin and Range        | Great Basin           | 2,081              | Yes  | Yes   | 1974                 | 2000              | SP,SA,TR                          |
| 10146000                              | Salt Creek at Nephi, UT                    | 39°42'47" | 111°48'13" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020201             | Basin and Range        | Great Basin           | 96                 | Yes  | Yes   | 1974                 | 1980              | SP,SA                             |
| 10146400                              | Currant Creek near Mona, UT                | 39°48'09" | 111°51'44" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020201             | Basin and Range        | Great Basin           | 225                | Yes  | Yes   | 1979                 | 1994              | SP,SA                             |
| 10148200                              | Tie Fork near Soldier Summit, UT           | 39°57'00" | 111°12'58" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020202             | Middle Rocky Mountains | n/d                   | 19                 | No   | n/d   | 1974                 | 1991              | SP,TR                             |
| 10150500                              | Spanish Fork at Castilla, UT               | 40°02'59" | 111°32'50" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020202             | Basin and Range        | Great Basin           | 652                | No   | No  | 1974                 | 1991              | SP,TR                             |
| 10152000                              | Spanish Fork near Lake Shore, UT           | 40°09'01" | 111°43'31" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020202             | Basin and Range        | Great Basin           | 675                | No   | No  | 1974                 | 1984              | SP                                |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |  |                      |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|--|----------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                      | Hydrologic subregion | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |  |                      |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 10154200                              | Provo River near Woodland, UT                                | 40°33'28" | 111°10'05" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020203             | Middle Rocky Mountains | n/d                   | 162                | Yes  | n/d   | 1974                 | 1991              | SP,TR                             |
| 10155000                              | Provo River near Hailstone, UT                               | 40°36'03" | 111°19'51" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020203             | Middle Rocky Mountains | n/d                   | 230                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10159500                              | Provo River below Deer Creek Dam, UT                         | 40°24'12" | 111°31'44" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020203             | Middle Rocky Mountains | n/d                   | 547                | Yes  | n/d   | 1974                 | 1991              | SP,SA,TR                          |
| 10163000                              | Provo River at Provo, UT                                     | 40°14'16" | 111°41'55" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020203             | Basin and Range        | Great Basin           | 673                | No   | No  | 1974                 | 1991              | SP,SA,TR                          |
| 10164500                              | American Fork above upper powerplant, near American Fork, UT | 40°26'52" | 111°40'53" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020201             | Basin and Range        | Great Basin           | 51                 | No   | No  | 1974                 | 1989              | SP,SA,TR                          |
| 10171000                              | Jordan River at 1700 South at Salt Lake City, UT             | 40°44'01" | 111°55'21" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020204             | Basin and Range        | Great Basin           | 3,438              | Yes  | Yes   | 1974                 | 2003              | SP,SA,TR                          |
| 10172200                              | Red Butte Creek at Fort Douglas, near Salt Lake City, UT     | 40°46'48" | 111°48'19" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020204             | Basin and Range        | Great Basin           | 7                  | Yes  | Yes   | 1974                 | 2003              | SP,TR                             |
| 10172700                              | Vernon Creek near Vernon, UT                                 | 39°58'46" | 112°22'46" | Great Salt Lake and Sevier River Basin | Great Salt Lake      | 16020304             | Basin and Range        | Great Basin           | 25                 | Yes  | Yes   | 1974                 | 1991              | SP,TR                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |  |                              |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|--|------------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                      | Hydrologic subregion         | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |  |                              |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 10172800                              | South Willow Creek near Grantsville, UT              | 40°29'47" | 112°34'25" | Great Salt Lake and Sevier River Basin | Great Salt Lake              | 16020304             | Basin and Range        | Great Basin           | 4                  | Yes  | Yes   | 1976                 | 1991              | SP,TR                             |
| 10172805                              | North Willow Creek near Grantsville, UT              | 40°31'58" | 112°34'19" | Great Salt Lake and Sevier River Basin | Great Salt Lake              | 16020304             | Basin and Range        | Great Basin           | 5                  | Yes  | Yes   | 1980                 | 1991              | SP                                |
| 10172870                              | Trout Creek near Callao, UT                          | 39°44'39" | 113°53'21" | Great Salt Lake and Sevier River Basin | Great Salt Lake              | 16020306             | Basin and Range        | Great Basin           | 8                  | Yes  | Yes   | 1974                 | 1991              | SP,TR                             |
| 10172952                              | Dunn Creek near Park Valley, UT                      | 41°51'31" | 113°19'35" | Great Salt Lake and Sevier River Basin | Great Salt Lake              | 16020308             | Basin and Range        | Great Basin           | 9                  | Yes  | Yes   | 1978                 | 1991              | SP                                |
| 10173450                              | Mammoth Creek above West Hatch Ditch, near Hatch, UT | 37°37'22" | 112°30'58" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030001             | Colorado Plateaus      | High Plateaus of Utah | 105                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 10174500                              | Sevier River at Hatch, UT                            | 37°39'04" | 112°25'46" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030001             | Colorado Plateaus      | High Plateaus of Utah | 340                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 10176300                              | Panguitch Creek near Panguitch, UT                   | 37°46'18" | 112°32'12" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030001             | Colorado Plateaus      | High Plateaus of Utah | 97                 | Yes  | Yes   | 1974                 | 1980              | SP,SA                             |
| 10180000                              | Sevier River near Circleville, UT                    | 38°06'15" | 112°20'08" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030001             | Colorado Plateaus      | High Plateaus of Utah | 986                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 10183500                              | Sevier River near Kingston, UT                       | 38°12'22" | 112°12'25" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030001             | Colorado Plateaus      | High Plateaus of Utah | 1,131              | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |  |                              |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|--|------------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                      | Hydrologic subregion         | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |  |                              |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 10187300                              | Otter Creek near Koosharem, UT                     | 38°36'40" | 111°48'40" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030002             | Colorado Plateaus      | High Plateaus of Utah | 24                 | Yes  | Yes   | 1974                 | 1982              | SP,SA                             |
| 10191500                              | Sevier River below Piute Dam, near Marysvale, UT   | 38°19'41" | 112°11'13" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030003             | Colorado Plateaus      | High Plateaus of Utah | 2,441              | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 10208500                              | Oak Creek near Fairview, UT                        | 39°40'26" | 111°24'30" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030004             | Colorado Plateaus      | High Plateaus of Utah | 12                 | Yes  | Yes   | 1974                 | 1983              | SP                                |
| 10219000                              | Sevier River near Juab, UT                         | 39°22'29" | 112°02'20" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030005             | Basin and Range        | Great Basin           | 5,165              | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 10219200                              | Chicken Creek near Levan, UT                       | 39°33'08" | 111°49'45" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030005             | Basin and Range        | Great Basin           | 28                 | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 10224000                              | Sevier River near Lynndyl, UT                      | 39°28'55" | 112°23'35" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030005             | Basin and Range        | Great Basin           | 5,966              | Yes  | Yes   | 1974                 | 1994              | SP,SA,TR                          |
| 10237000                              | Beaver River at Adamsville, UT                     | 38°15'13" | 112°45'56" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030007             | Basin and Range        | Great Basin           | 303                | Yes  | Yes   | 1974                 | 1991              | SP,SA,TR                          |
| 10241470                              | Center Creek above Parowan Creek, near Parowan, UT | 37°47'35" | 112°48'55" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030006             | Colorado Plateaus      | High Plateaus of Utah | 12                 | Yes  | Yes   | 1974                 | 1983              | SP                                |
| 10242000                              | Coal Creek near Cedar City, UT                     | 37°40'20" | 113°02'02" | Great Salt Lake and Sevier River Basin | Escalante Desert-Sevier Lake | 16030006             | Colorado Plateaus      | High Plateaus of Utah | 81                 | No   | No  | 1974                 | 1991              | SP,TR                             |



**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |   |                              |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|---|------------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                                   | Hydrologic subregion         | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |   |                              |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 10244950                              | Step toe Creek near Ely, NV                          | 39°12'05" | 114°41'15" | Central Nevada and Eastern California Desert Basins | Central Nevada Desert Basins | 16060008             | Basin and Range        | Great Basin           | 11                 | Yes  | Yes   | 1974                 | 1996              | SP,SA,TR                          |
| 10249300                              | South Twin River near Round Mountain, NV             | 38°53'15" | 117°14'40" | Central Nevada and Eastern California Desert Basins | Central Nevada Desert Basins | 16060004             | Basin and Range        | Great Basin           | 20                 | Yes  | Yes   | 1974                 | 1996              | SP,TR                             |
| 10249900                              | Chiatovich Creek near Dyer, NV                       | 37°50'00" | 118°12'10" | Central Nevada and Eastern California Desert Basins | Central Nevada Desert Basins | 16060010             | Basin and Range        | Great Basin           | 37                 | Yes  | Yes   | 1975                 | 1982              | SP,SA                             |
| 10254670                              | Alamo River at drop 3, near Calipatria, CA           | 33°06'16" | 115°32'39" | Central Nevada and Eastern California Desert Basins | Southern Mojave-Salton Sea   | 18100200             | Basin and Range        | Salton Trough         | n/a                | Yes  | Yes   | 1980                 | 1994              | SP,SA                             |
| 10254970                              | New River at International Boundary, at Calexico, CA | 32°39'57" | 115°30'08" | Central Nevada and Eastern California Desert Basins | Southern Mojave-Salton Sea   | 18100200             | Basin and Range        | Salton Trough         | n/a                | Yes  | Yes   | 1980                 | 1989              | SP                                |
| 10256500                              | Snow Creek near White Water, CA                      | 33°52'14" | 116°40'49" | Central Nevada and Eastern California Desert Basins | Southern Mojave-Salton Sea   | 18100200             | Pacific Border         | Los Angeles Ranges    | 11                 | Yes  | n/d   | 1975                 | 2002              | SP,TR                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |   |                           |                      |                              |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|---|---------------------------|----------------------|------------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin                                   | Hydrologic subregion      | Hydrologic unit code | Physiographic province       | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |   |                           |                      |                              |                       |                    |  |   |                      |                   |                                   |
| 10261500                              | Mojave River at Lower Narrows, near Victorville, CA     | 34°34'23" | 117°19'11" | Central Nevada and Eastern California Desert Basins | Northern Mojave-Mono Lake | 18090208             | Basin and Range              | Sonoran Desert        | 513                | Yes  | Yes   | 1974                 | 1982              | SP,SA                             |
| 10265150                              | Hot Creek at Flume, near Mammoth Lakes, CA              | 37°40'08" | 118°49'00" | Central Nevada and Eastern California Desert Basins | Northern Mojave-Mono Lake | 18090102             | Basin and Range              | Great Basin           | 68                 | Yes  | Yes   | 1983                 | 2002              | SP,TR                             |
| 10277400                              | Owens River below Tinemaha Reservoir, near Big Pine, CA | 37°03'11" | 118°13'35" | Central Nevada and Eastern California Desert Basins | Northern Mojave-Mono Lake | 18090102             | Basin and Range              | Great Basin           | 1,964              | Yes  | Yes   | 1975                 | 1984              | SP,SA                             |
| 10293000                              | East Walker River near Bridgeport, CA                   | 38°19'40" | 119°12'50" | Central Lahontan Basins                             | Central Lahontan          | 16050301             | Cascade and Sierra Mountains | Sierra Nevada         | 359                | Yes  | n/d   | 1974                 | 1985              | SP,SA                             |
| 10296500                              | West Walker River near Coleville, CA                    | 38°30'48" | 119°26'56" | Central Lahontan Basins                             | Central Lahontan          | 16050302             | Cascade and Sierra Mountains | Sierra Nevada         | 250                | Yes  | n/d   | 1977                 | 1984              | SP,SA                             |
| 10297500                              | West Walker River at Hoye Bridge, near Wellington, CA   | 38°43'40" | 119°25'40" | Central Lahontan Basins                             | Central Lahontan          | 16050302             | Basin and Range              | Great Basin           | 497                | No   | No  | 1977                 | 1995              | SP,SA                             |
| 10301500                              | Walker River near Wabuska, NV                           | 39°09'10" | 119°05'50" | Central Lahontan Basins                             | Central Lahontan          | 16050303             | Basin and Range              | Great Basin           | 2,600              | Yes  | Yes   | 1974                 | 1995              | SP,SA,TR                          |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |   |                           |                      |                              |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|---|---------------------------|----------------------|------------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                                   | Hydrologic subregion      | Hydrologic unit code | Physiographic province       | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |   |                           |                      |                              |                       |                    |  |   |                      |                   |                                   |
| 10309000                              | East Fork Carson River near Gardnerville, NV           | 38°50'42" | 119°42'13" | Central Lahontan Basins                             | Central Lahontan          | 16050201             | Cascade and Sierra Mountains | Sierra Nevada         | 356                | Yes  | n/d   | 1978                 | 1984              | SP,SA                             |
| 10310000                              | West Fork Carson River at Woodfords, CA                | 38°46'11" | 119°49'58" | Central Lahontan Basins                             | Central Lahontan          | 16050201             | Cascade and Sierra Mountains | Sierra Nevada         | 65                 | Yes  | n/d   | 1974                 | 1984              | SP,SA                             |
| 10311000                              | Carson River near Carson City, NV                      | 39°06'28" | 119°42'44" | Central Lahontan Basins                             | Central Lahontan          | 16050201             | Basin and Range              | Great Basin           | 886                | No   | No  | 1977                 | 1984              | SP,SA                             |
| 10311100                              | Kings Canyon Creek near Carson City, NV                | 39°09'14" | 119°48'25" | Central Lahontan Basins                             | Central Lahontan          | 16050201             | Cascade and Sierra Mountains | Sierra Nevada         | 4                  | Yes  | n/d   | 1977                 | 1984              | SP                                |
| 10311200                              | Ash Canyon Creek near Carson City, NV                  | 39°10'35" | 119°48'17" | Central Lahontan Basins                             | Central Lahontan          | 16050201             | Cascade and Sierra Mountains | Sierra Nevada         | 5                  | Yes  | n/d   | 1977                 | 1984              | SP                                |
| 10312000                              | Carson River near Fort Churchill, NV                   | 39°17'35" | 119°15'02" | Central Lahontan Basins                             | Central Lahontan          | 16050202             | Basin and Range              | Great Basin           | 1,450              | Yes  | Yes   | 1974                 | 1995              | SP,SA,TR                          |
| 10312150                              | Carson River below Lahontan Reservoir, near Fallon, NV | 39°27'50" | 119°02'45" | Central Lahontan Basins                             | Central Lahontan          | 16050203             | Basin and Range              | Great Basin           | 1,801              | Yes  | Yes   | 1977                 | 2003              | SP,SA,TR                          |
| 10321000                              | Humboldt River near Carlin, NV                         | 40°43'40" | 116°00'30" | Central Nevada and Eastern California Desert Basins | Black Rock Desert-Humbolt | 16040101             | Basin and Range              | Great Basin           | 4,310              | Yes  | Yes   | 1977                 | 1998              | SP,SA                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Location  |            |   |                           |                      |                              |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|--|-----------|------------|---|---------------------------|----------------------|------------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name  | Latitude  | Longitude  | Major river basin                                   | Hydrologic subregion      | Hydrologic unit code | Physiographic province       | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |  |           |            |   |                           |                      |                              |                       |                    |  |   |                      |                   |                                   |
| 10322500                              | Humboldt River at Palisade, NV                                   | 40°36'27" | 116°12'03" | Central Nevada and Eastern California Desert Basins | Black Rock Desert-Humbolt | 16040101             | Basin and Range              | Great Basin           | 5,053              | Yes  | Yes   | 1977                 | 1984              | SP,SA                             |
| 10324500                              | Rock Creek near Battle Mountain, NV                              | 40°49'30" | 116°35'00" | Central Nevada and Eastern California Desert Basins | Black Rock Desert-Humbolt | 16040106             | Basin and Range              | Great Basin           | 864                | Yes  | Yes   | 1977                 | 1984              | SP,SA                             |
| 10335000                              | Humboldt River near Rye Patch, NV                                | 40°28'03" | 118°18'24" | Central Nevada and Eastern California Desert Basins | Black Rock Desert-Humbolt | 16040108             | Basin and Range              | Great Basin           | 16,100             | Yes  | Yes   | 1974                 | 1986              | SP,SA                             |
| 10336580                              | Upper Truckee River at South Upper Truckee Road, near Meyers, CA | 38°47'47" | 120°01'05" | Central Lahontan Basins                             | Central Lahontan          | 16050101             | Cascade and Sierra Mountains | Sierra Nevada         | 14                 | Yes  | n/d   | 1991                 | 2003              | SP                                |
| 10336610                              | Upper Truckee River at South Lake Tahoe, CA                      | 38°55'21" | 119°59'26" | Central Lahontan Basins                             | Central Lahontan          | 16050101             | Cascade and Sierra Mountains | Sierra Nevada         | 55                 | Yes  | n/d   | 1992                 | 2003              | SP,SA                             |
| 10336645                              | General Creek near Meeks Bay, CA                                 | 39°03'07" | 120°07'03" | Central Lahontan Basins                             | Central Lahontan          | 16050101             | Cascade and Sierra Mountains | Sierra Nevada         | 7                  | Yes  | n/d   | 1993                 | 2003              | SP                                |
| 10336676                              | Ward Creek at Highway 89, near Tahoe Pines, CA                   | 39°07'56" | 120°09'24" | Central Lahontan Basins                             | Central Lahontan          | 16050101             | Cascade and Sierra Mountains | Sierra Nevada         | 10                 | Yes  | n/d   | 1993                 | 2003              | SP                                |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |   |                             |                      |                              |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|---|-----------------------------|----------------------|------------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin                                   | Hydrologic subregion        | Hydrologic unit code | Physiographic province       | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |   |                             |                      |                              |                       |                    |  |   |                      |                   |                                   |
| 10336698                              | Third Creek near Crystal Bay, NV                        | 39°14'26" | 119°56'44" | Central Lahontan Basins                             | Central Lahontan            | 16050101             | Cascade and Sierra Mountains | Sierra Nevada         | 6                  | Yes  | n/d   | 1988                 | 2003              | SP,TR                             |
| 10336700                              | Incline Creek near Crystal Bay, NV                      | 39°14'25" | 119°56'38" | Central Lahontan Basins                             | Central Lahontan            | 16050101             | Cascade and Sierra Mountains | Sierra Nevada         | 7                  | Yes  | n/d   | 1988                 | 2003              | SP,TR                             |
| 10336775                              | Trout Creek at Pioneer Trail, near South Lake Tahoe, CA | 38°54'12" | 119°58'08" | Central Lahontan Basins                             | Central Lahontan            | 16050101             | Cascade and Sierra Mountains | Sierra Nevada         | 24                 | Yes  | n/d   | 1991                 | 2003              | SP,SA                             |
| 10343500                              | Sagehen Creek near Truckee, CA                          | 39°25'54" | 120°14'13" | Central Lahontan Basins                             | Central Lahontan            | 16050102             | Cascade and Sierra Mountains | Sierra Nevada         | 11                 | Yes  | n/d   | 1986                 | 2002              | SP,SA,TR                          |
| 10346000                              | Truckee River at Farad, CA                              | 39°25'41" | 120°01'59" | Central Lahontan Basins                             | Central Lahontan            | 16050102             | Cascade and Sierra Mountains | Sierra Nevada         | 932                | Yes  | n/d   | 1974                 | 1984              | SP,SA                             |
| 10351700                              | Truckee River near Nixon, NV                            | 39°46'40" | 119°20'10" | Central Lahontan Basins                             | Central Lahontan            | 16050103             | Basin and Range              | Great Basin           | 1,827              | Yes  | Yes   | 1974                 | 1994              | SP,SA,TR                          |
| 10352500                              | McDermitt Creek near McDermitt, NV                      | 41°58'00" | 117°49'51" | Central Nevada and Eastern California Desert Basins | Black Rock Desert-Humbolt   | 16040201             | Basin and Range              | Great Basin           | 225                | Yes  | Yes   | 1975                 | 1984              | SP,SA                             |
| 11042000                              | San Luis Rey River at Oceanside, CA                     | 33°13'05" | 117°21'34" | Southern California Basins                          | Southern California Coastal | 18070303             | Lower Californian            | n/d                   | 557                | Yes  | n/d   | 1978                 | 1992              | SP,SA                             |

**Appendix 1.** Location, drainage basin, and analysis information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Location  |            |                                    |                             |                      |                        |                       | Drainage Basin     |  |   | Analyses             |                   |                                   |
|---------------------------------------|---|-----------|------------|------------------------------------|-----------------------------|----------------------|------------------------|-----------------------|--------------------|--|---|----------------------|-------------------|-----------------------------------|
| USGS site identifier                  | Site name   | Latitude  | Longitude  | Major river basin                  | Hydrologic subregion        | Hydrologic unit code | Physiographic province | Physiographic section | Area, square miles | Almost entirely within physiographic province of site location | Almost entirely within physiographic section of site location | Beginning water year | Ending water year | Report sections that include site |
|                                       |   |           |            |                                    |                             |                      |                        |                       |                    |  |   |                      |                   |                                   |
| 11066460                              | Santa Ana River at Metropolitan Water District Crossing, CA | 33°58'07" | 117°26'51" | Southern California Coastal Basins | Southern California Coastal | 18070203             | Pacific Border         | Los Angeles Ranges    | 852                | Yes  | n/d   | 1974                 | 2002              | SP,SA,TR                          |
| 11074000                              | Santa Ana River below Prado Dam, CA                         | 33°53'00" | 117°38'40" | Southern California Coastal Basins | Southern California Coastal | 18070203             | Pacific Border         | Los Angeles Ranges    | 1,490              | Yes  | n/d   | 1974                 | 2002              | SP,SA,TR                          |
| 11103000                              | Los Angeles River at Long Beach, CA                         | 33°49'02" | 118°12'20" | Southern California Coastal Basins | Southern California Coastal | 18070105             | Pacific Border         | Los Angeles Ranges    | 827                | Yes  | n/d   | 1974                 | 1983              | SP,SA                             |
| 11108500                              | Santa Clara River at Los Angeles-Ventura County Line, CA    | 34°23'59" | 118°42'14" | Southern California Coastal Basins | Southern California Coastal | 18070102             | Pacific Border         | Los Angeles Ranges    | 625                | Yes  | n/d   | 1974                 | 1988              | SP,SA,TR                          |

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States.

[Daily concentration models: 1, concentration was regressed against explanatory terms that account for variation due to discharge, seasonality, and interannual trends; 2, concentration determined by using smoothing methods that interpolate concentrations between samples. \*, see notes at bottom of table regarding deviations from the methods of data compilation for daily concentrations. Data sources for the reported value of the ratio of dissolved-solids concentration to specific conductance: ss, value determined from samples collected from the same site; hu, value determined as the average ratio for sites within the same hydrologic unit; au, value determined as the average ratio for sites within the same accounting unit. n/a, not applicable; mg/L, milligrams per liter; uS/cm, microsiemens per centimeter; AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1]

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                    |       |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|--------------------|-------|
| USGS site identifier                  | Site name   | Beginning            | Ending | Total | Value, mg/L per μS/cm   | Data source | Daily concentration model                           | Number of samples | Residual error, as a percent of median daily concentration |                    |       |
|                                       |   |                      |        |       |   |             |   |                   | Multiple R <sup>2</sup> value                              | p-value for F-test |       |
| 08217500                              | Rio Grande at Wagon Wheel Gap, CO                     | 1984                 | 2000   | 17    | 0.66  | hu          | 1   | 122               | 9.76   | 0.89               | <.001 |
| 08251500                              | Rio Grande near Lobatos, CO                           | 1975                 | 2003   | 29    | .66   | ss          | 1   | 185               | 27.32  | .57                | <.001 |
| 08263500                              | Rio Grande near Cerro, NM                             | 1979                 | 1987   | 9     | .72   | ss          | 1   | 50                | 21.38  | .68                | <.001 |
| 08265000                              | Red River near Questa, NM                             | 1979                 | 1987   | 9     | .64   | ss          | 1   | 60                | 10.92  | .85                | <.001 |
| 08266820                              | Red River below Fish Hatchery, near Questa, NM        | 1979                 | 1987   | 9     | .67   | ss          | 1   | 82                | 24.71  | .64                | <.001 |
| 08267500                              | Rio Hondo near Valdez, NM                             | 1986                 | 2002   | 17    | .63   | hu          | 1   | 75                | 14.13  | .59                | <.001 |
| 08276300                              | Rio Pueblo De Taos below Los Cordovas, NM             | 1986                 | 1998   | 13    | .63   | hu          | 1   | 72                | 16.98  | .75                | <.001 |
| 08276500                              | Rio Grande below Taos Junction Bridge near Taos, NM   | 1975                 | 2002   | 28    | .67   | ss          | 1   | 195               | 16.26  | .55                | <.001 |
| 08279000                              | Embudo Creek at Dixon, NM                             | 1974                 | 1997   | 24    | .59   | ss          | 1   | 154               | 14.61  | .73                | <.001 |
| 08284100                              | Rio Chama near La Puente, NM                          | 1986                 | 2002   | 17    | .63   | hu          | 1   | 74                | 29.18  | .56                | <.001 |
| 08286500                              | Rio Chama above Abiquiu Reservoir, NM                 | 1976                 | 1986   | 11    | .63   | hu          | 1   | 92                | 24.57  | .69                | <.001 |
| 08287000                              | Rio Chama below Abiquiu Dam, NM                       | 1976                 | 1986   | 11    | .63   | hu          | 2   | 84                | 26.4   | .92                | n/a   |
| 08290000                              | Rio Chama near Chamita, NM                            | 1974                 | 2002   | 29    | .64   | ss          | 1   | 235               | 17.11  | .69                | <.001 |
| 08313000                              | Rio Grande at Otowi Bridge, NM                        | 1974                 | 2002   | 29    | .65   | ss          | 2   | 397               | 18.01  | .46                | n/a   |
| 08317200                              | Santa Fe River above Cochiti Lake, NM                 | 1981                 | 1999   | 19    | .61   | ss          | 1   | 117               | 16.74  | .69                | <.001 |
| 08319000                              | Rio Grande at San Felipe, NM                          | 1975                 | 2002   | 28    | .64   | ss          | 1   | 212               | 13.55  | .49                | <.001 |
| 08324000                              | Jemez River near Jemez, NM                            | 1981                 | 2002   | 22    | .67   | ss          | 1   | 97                | 11.48  | .93                | <.001 |
| 08329000                              | Jemez River below Jemez Canyon Dam, NM                | 1974                 | 1988   | 15    | .62   | ss          | 1   | 192               | 31.09  | .71                | <.001 |
| 08330000                              | Rio Grande at Albuquerque, NM                         | 1981                 | 2002   | 22    | .64   | ss          | 2   | 136               | 17.26  | .55                | n/a   |
| 08332010 <sup>1</sup>                 | Rio Grande floodway near Bernardo, NM                 | 1974                 | 2002   | 29    | .64   | ss          | 2*  | n/a               | n/a  | n/a                | n/a   |
| 08353000                              | Rio Puerco near Bernardo, NM                          | 1974                 | 2002   | 29    | .72   | ss          | 1   | 255               | 53.22  | .13                | <.001 |
| 08354000                              | Rio Salado near San Acacia, NM                        | 1974                 | 1984   | 11    | .68   | ss          | 1   | 29                | 34.49  | .60                | <.001 |
| 08354900 <sup>2</sup>                 | Rio Grande floodway at San Acacia, NM                 | 1975                 | 2002   | 28    | .65   | ss          | 2*  | n/a               | n/a  | n/a                | n/a   |
| 08358400 <sup>3</sup>                 | Rio Grande floodway at San Marcial, NM                | 1974                 | 2002   | 29    | .66   | ss          | 2*  | n/a               | n/a  | n/a                | n/a   |
| 08364000 <sup>4</sup>                 | Rio Grande at El Paso, TX                             | 1976                 | 2003   | 28    | .64   | ss          | 1*  | 354               | 11.08  | .93                | <.001 |
| 08477110                              | Mimbres River at Mimbres, NM                          | 1979                 | 1986   | 8     | .77   | ss          | 1   | 66                | 7.68   | .78                | <.001 |
| 08481500                              | Tularosa Creek near Bent, NM                          | 1974                 | 1995   | 22    | .74   | ss          | 1   | 175               | 7.89   | .39                | <.001 |
| 09010500                              | Colorado River below Baker Gulch, near Grand Lake, CO | 1984                 | 2003   | 20    | .59   | ss          | 1   | 203               | 8.4  | .85                | <.001 |
| 09022000                              | Fraser River at upper station, near Winter Park, CO   | 1986                 | 2003   | 18    | .61   | hu          | 1   | 226               | 26.05  | .64                | <.001 |
| 09024000                              | Fraser River at Winter Park, CO                       | 1983                 | 2003   | 21    | .61   | hu          | 1   | 183               | 20.28  | .75                | <.001 |
| 09025000                              | Vasquez Creek at Winter Park, CO                      | 1984                 | 2003   | 20    | .61   | hu          | 1   | 167               | 18.73  | .41                | <.001 |

See footnotes at end of table.

## 2-2 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|--|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name  | Begin-ning           | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concen- tration model                         | Number of samples | Residual error, as a percent of median daily concen- tration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |  |                      |        |       |   |             |   |                   |  |                               |                    |
| 09026500                              | St. Louis Creek near Fraser, CO                        | 1984                 | 2003   | 20    | .61   | hu          | 1   | 177               | 18.45  | .23                           | <.001              |
| 09032000                              | Ranch Creek near Fraser, CO                            | 1984                 | 2003   | 20    | .61   | hu          | 1   | 209               | 12.1   | .70                           | <.001              |
| 09032100                              | Cabin Creek near Fraser, CO                            | 1984                 | 2003   | 20    | .61   | hu          | 1   | 158               | 16.38  | .51                           | <.001              |
| 09034250                              | Colorado River at Windy Gap, near Granby, CO           | 1984                 | 2003   | 20    | .60   | ss          | 1   | 192               | 13.17  | .54                           | <.001              |
| 09034500                              | Colorado River at Hot Sulphur Springs, CO              | 1974                 | 1994   | 21    | .65   | ss          | 1   | 162               | 12.84  | .49                           | <.001              |
| 09034900                              | Bobtail Creek near Jones Pass, CO                      | 1984                 | 2003   | 20    | .61   | hu          | 1   | 147               | 9.31   | .89                           | <.001              |
| 09035500                              | Williams Fork below Steelman Creek, CO                 | 1984                 | 2003   | 20    | .61   | hu          | 1   | 134               | 15.05  | .75                           | <.001              |
| 09035700                              | Williams Fork above Darling Creek, near Leal, CO       | 1984                 | 2003   | 20    | .61   | hu          | 1   | 184               | 14.67  | .67                           | <.001              |
| 09035800                              | Darling Creek near Leal, CO                            | 1984                 | 2001   | 18    | .61   | hu          | 1   | 177               | 7.65   | .87                           | <.001              |
| 09035900                              | South Fork of Williams Fork near Leal, CO              | 1984                 | 2003   | 20    | .61   | hu          | 1   | 183               | 7.7  | .89                           | <.001              |
| 09036000                              | Williams Fork near Leal, CO                            | 1984                 | 2003   | 20    | .61   | hu          | 1   | 174               | 9.59   | .83                           | <.001              |
| 09037500                              | Williams Fork near Parshall, CO                        | 1984                 | 2003   | 20    | .68   | ss          | 1   | 184               | 15.84  | .65                           | <.001              |
| 09038500                              | Williams Fork below Williams Fork Reservoir, CO        | 1984                 | 2003   | 20    | .65   | ss          | 1   | 177               | 16.17  | .34                           | <.001              |
| 09039000                              | Troublesome Creek near Pearmont, CO                    | 1984                 | 1993   | 10    | .61   | hu          | 1   | 89                | 10.18  | .43                           | <.001              |
| 09041500                              | Muddy Creek at Kremmling, CO                           | 1984                 | 1995   | 12    | .68   | ss          | 1   | 153               | 35.7   | .68                           | <.001              |
| 09046490                              | Blue River at Blue River, CO                           | 1984                 | 2003   | 20    | .57   | hu          | 1   | 183               | 35.49  | .26                           | <.001              |
| 09046600                              | Blue River near Dillon, CO                             | 1984                 | 2003   | 20    | .57   | ss          | 1   | 233               | 25.14  | .33                           | <.001              |
| 09047500                              | Snake River near Montezuma, CO                         | 1984                 | 2003   | 20    | .57   | hu          | 1   | 188               | 29.81  | .44                           | <.001              |
| 09047700                              | Keystone Gulch near Dillon, CO                         | 1984                 | 2003   | 20    | .57   | hu          | 1   | 190               | 24.94  | .23                           | <.001              |
| 09050100                              | Tenmile Creek below North Tenmile Creek, at Frisco, CO | 1984                 | 2003   | 20    | .57   | hu          | 1   | 175               | 60.31  | .39                           | <.001              |
| 09050700                              | Blue River below Dillon, CO                            | 1984                 | 2003   | 20    | .58   | ss          | 1   | 161               | 16.56  | .47                           | <.001              |
| 09051050                              | Straight Creek below Laskey Gulch near Dillon, CO      | 1987                 | 2003   | 17    | .57   | hu          | 1   | 161               | 28.12  | .70                           | <.001              |
| 09052000                              | Rock Creek near Dillon, CO                             | 1984                 | 1994   | 11    | .57   | hu          | 1   | 107               | 41.47  | .11                           | .003               |
| 09052400                              | Boulder Creek at upper station, near Dillon, CO        | 1984                 | 1994   | 11    | .57   | hu          | 1   | 107               | 36.96  | .13                           | <.001              |
| 09052800                              | Slate Creek at upper station, near Dillon, CO          | 1984                 | 1994   | 11    | .57   | hu          | 1   | 100               | 30.12  | .32                           | <.001              |
| 09054000                              | Black Creek below Black Lake, near Dillon, CO          | 1984                 | 1994   | 11    | .57   | hu          | 1   | 105               | 44.34  | .28                           | <.001              |
| 09055300                              | Cataract Creek near Kremmling, CO                      | 1984                 | 1994   | 11    | .57   | hu          | 1   | 106               | 37.44  | .19                           | <.001              |
| 09057500                              | Blue River below Green Mountain Reservoir, CO          | 1984                 | 2003   | 20    | .56   | ss          | 1   | 130               | 18.3   | .33                           | <.001              |
| 09058000                              | Colorado River near Kremmling, CO                      | 1984                 | 2003   | 20    | .59   | ss          | 1   | 127               | 14.94  | .50                           | <.001              |
| 09058500                              | Piney River below Piney Lake, near Minturn, CO         | 1984                 | 2003   | 20    | .61   | hu          | 1   | 153               | 27.95  | .55                           | <.001              |
| 09058610                              | Dickson Creek near Vail, CO                            | 1984                 | 2003   | 20    | .61   | hu          | 1   | 130               | 9.55   | .77                           | <.001              |
| 09058700                              | Freeman Creek near Minturn, CO                         | 1984                 | 2003   | 20    | .61   | hu          | 1   | 120               | 21.84  | .60                           | <.001              |
| 09058800                              | East Meadow Creek near Minturn, CO                     | 1984                 | 2003   | 20    | .61   | hu          | 1   | 99                | 24.11  | .61                           | <.001              |
| 09059500                              | Piney River near state bridge, CO                      | 1984                 | 2003   | 20    | .61   | hu          | 1   | 159               | 16.72  | .85                           | <.001              |

See footnotes at end of table.



**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name   | Begin-ning           | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concen- tration model                         | Number of samples | Residual error, as a percent of median daily concen- tration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |   |                      |        |       |   |             |   |                   |  |                               |                    |
| 09060770                              | Rock Creek at McCoy, CO                                 | 1984                 | 1997   | 14    | .63   | ss          | 1   | 161               | 18.11  | .72                           | <.001              |
| 09063000                              | Eagle River at Red Cliff, CO                            | 1984                 | 2003   | 20    | .55   | ss          | 1   | 194               | 13.04  | .68                           | <.001              |
| 09063200                              | Wearymen Creek near Red Cliff, CO                       | 1984                 | 2003   | 20    | .62   | hu          | 1   | 163               | 16.25  | .39                           | <.001              |
| 09063400                              | Turkey Creek near Red Cliff, CO                         | 1984                 | 2003   | 20    | .62   | hu          | 1   | 166               | 10.67  | .65                           | <.001              |
| 09063900                              | Missouri Creek near Gold Park, CO                       | 1984                 | 2003   | 20    | .62   | hu          | 1   | 154               | 15.63  | .66                           | <.001              |
| 09064000                              | Homestake Creek at Gold Park, CO                        | 1984                 | 2003   | 20    | .62   | hu          | 1   | 159               | 18.4   | .45                           | <.001              |
| 09064500                              | Homestake Creek near Red Cliff, CO                      | 1984                 | 2003   | 20    | .62   | hu          | 1   | 168               | 17.79  | .45                           | <.001              |
| 09064600                              | Eagle River near Minturn, CO                            | 1990                 | 2003   | 14    | .56   | ss          | 1   | 136               | 20.72  | .71                           | <.001              |
| 09065100                              | Cross Creek near Minturn, CO                            | 1984                 | 2003   | 20    | .62   | hu          | 1   | 156               | 27.51  | .64                           | <.001              |
| 09065500                              | Gore Creek at upper station, near Minturn, CO           | 1984                 | 2003   | 20    | .62   | hu          | 1   | 186               | 14.78  | .73                           | <.001              |
| 09066000                              | Black Gore Creek near Minturn, CO                       | 1984                 | 2003   | 20    | .62   | hu          | 1   | 179               | 52.34  | .46                           | <.001              |
| 09066100                              | Bighorn Creek near Minturn, CO                          | 1984                 | 2003   | 20    | .62   | hu          | 1   | 190               | 16.32  | .65                           | <.001              |
| 09066150                              | Pitkin Creek near Minturn, CO                           | 1984                 | 2003   | 20    | .62   | hu          | 1   | 171               | 18.41  | .68                           | <.001              |
| 09066200                              | Booth Creek near Minturn, CO                            | 1984                 | 2003   | 20    | .62   | hu          | 1   | 184               | 25.4   | .61                           | <.001              |
| 09066300                              | Middle Creek near Minturn, CO                           | 1988                 | 2003   | 16    | .62   | hu          | 1   | 164               | 15.09  | .68                           | <.001              |
| 09066310                              | Gore Creek, lower station, at Vail, CO                  | 1989                 | 1999   | 11    | .62   | hu          | 1   | 115               | 12.46  | .93                           | <.001              |
| 09066400                              | Red Sandstone Creek near Minturn, CO                    | 1984                 | 2003   | 20    | .62   | hu          | 1   | 159               | 13.87  | .79                           | <.001              |
| 09067000                              | Beaver Creek at Avon, CO                                | 1975                 | 2003   | 29    | .64   | ss          | 1   | 268               | 26.98  | .76                           | <.001              |
| 09067005                              | Eagle River at Avon, CO                                 | 1989                 | 1999   | 11    | .56   | ss          | 1   | 182               | 13.85  | .92                           | <.001              |
| 09067200                              | Lake Creek near Edwards, CO                             | 1994                 | 2003   | 10    | .62   | hu          | 1   | 86                | 15.67  | .91                           | <.001              |
| 09070000                              | Eagle River below Gypsum, CO                            | 1984                 | 2000   | 17    | .62   | hu          | 1   | 147               | 14.82  | .95                           | <.001              |
| 09070500                              | Colorado River near Dotsero, CO                         | 1974                 | 2003   | 30    | .59   | ss          | 1   | 468               | 12.96  | .85                           | <.001              |
| 09071300                              | Grizzly Creek near Glenwood Springs, CO                 | 1984                 | 1996   | 13    | .61   | hu          | 1   | 55                | 8.73   | .72                           | <.001              |
| 09073300                              | Roaring Fork River above Difficult Creek near Aspen, CO | 1984                 | 2003   | 20    | .63   | ss          | 1   | 186               | 18.5   | .67                           | <.001              |
| 09073400                              | Roaring Fork River near Aspen, CO                       | 1984                 | 2003   | 20    | .62   | hu          | 1   | 161               | 16.57  | .76                           | <.001              |
| 09074000                              | Hunter Creek near Aspen, CO                             | 1984                 | 2003   | 20    | .62   | hu          | 1   | 162               | 21.8   | .66                           | <.001              |
| 09074800                              | Castle Creek above Aspen, CO                            | 1984                 | 1994   | 11    | .62   | hu          | 1   | 94                | 33.77  | .37                           | <.001              |
| 09075700                              | Maroon Creek above Aspen, CO                            | 1984                 | 1994   | 11    | .62   | hu          | 1   | 84                | 27.44  | .71                           | <.001              |
| 09080400                              | Fryingpan River near Ruedi, CO                          | 1984                 | 2003   | 20    | .62   | hu          | 1   | 168               | 19.17  | .33                           | <.001              |
| 09081600                              | Crystal River above Avalanche Creek, near Redstone, CO  | 1984                 | 2003   | 20    | .60   | ss          | 1   | 203               | 16.74  | .90                           | <.001              |
| 09085000                              | Roaring Fork River at Glenwood Springs, CO              | 1974                 | 2003   | 30    | .62   | ss          | 1   | 448               | 10.92  | .92                           | <.001              |
| 09085100                              | Colorado River below Glenwood Springs, CO               | 1980                 | 1999   | 20    | .57   | ss          | 1   | 382               | 14.27  | .92                           | <.001              |
| 09089500                              | West Divide Creek near Raven, CO                        | 1984                 | 2000   | 17    | .61   | ss          | 1   | 151               | 18.62  | .79                           | <.001              |
| 09093000                              | Parachute Creek near Parachute, CO                      | 1976                 | 1986   | 11    | .64   | ss          | 1   | 82                | 10.54  | .70                           | <.001              |

See footnotes at end of table.

**2-4 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States**

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name   | Beginning            | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concentration model                           | Number of samples | Residual error, as a percent of median daily concentration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |   |                      |        |       |   |             |   |                   |  |                               |                    |
| 09095500                              | Colorado River near Cameo, CO                                 | 1974                 | 2003   | 30    | .59   | ss          | 1   | 667               | 10.67  | .94                           | <.001              |
| 09105000                              | Plateau Creek near Cameo, CO                                  | 1986                 | 2003   | 18    | .63   | ss          | 1   | 233               | 14.19  | .85                           | <.001              |
| 09106150                              | Colorado River below Grand Valley Diversion near Palisade, CO | 1991                 | 2003   | 13    | .57   | ss          | 1   | 157               | 13.49  | .92                           | <.001              |
| 09107000                              | Taylor River at Taylor Park, CO                               | 1988                 | 2003   | 16    | .56   | hu          | 1   | 134               | 11.57  | .76                           | <.001              |
| 09109000                              | Taylor River below Taylor Park Reservoir, CO                  | 1984                 | 2003   | 20    | .56   | hu          | 1   | 161               | 14.51  | .30                           | <.001              |
| 09110000                              | Taylor River at Almont, CO                                    | 1984                 | 2003   | 20    | .56   | hu          | 1   | 193               | 14.84  | .36                           | <.001              |
| 09111500                              | Slate River near Crested Butte, CO                            | 1994                 | 2003   | 10    | .58   | ss          | 1   | 114               | 14.65  | .87                           | <.001              |
| 09112200                              | East River below Cement Creek, near Crested Butte, CO         | 1994                 | 2003   | 10    | .56   | ss          | 1   | 157               | 5.6  | .96                           | <.001              |
| 09112500                              | East River at Almont, CO                                      | 1984                 | 2003   | 20    | .57   | ss          | 1   | 225               | 12.25  | .77                           | <.001              |
| 09114500                              | Gunnison River near Gunnison, CO                              | 1984                 | 2003   | 20    | .57   | ss          | 1   | 207               | 12.55  | .50                           | <.001              |
| 09115500                              | Tomichi Creek at Sargents, CO                                 | 1994                 | 2003   | 10    | .61   | hu          | 1   | 79                | 11.72  | .64                           | <.001              |
| 09118450                              | Cochetopa Creek below Rock Creek, near Parlin, CO             | 1984                 | 2003   | 20    | .61   | hu          | 1   | 164               | 16.17  | .63                           | <.001              |
| 09119000                              | Tomichi Creek at Gunnison, CO                                 | 1984                 | 2003   | 20    | .61   | ss          | 1   | 218               | 14.92  | .46                           | <.001              |
| 09124500                              | Lake Fork at Gateview, CO                                     | 1984                 | 2003   | 20    | .59   | hu          | 1   | 186               | 16.5   | .65                           | <.001              |
| 09126000                              | Cimarron River near Cimarron, CO                              | 1984                 | 2003   | 20    | .59   | hu          | 1   | 170               | 17.07  | .59                           | <.001              |
| 09128000                              | Gunnison River below Gunnison Tunnel, CO                      | 1984                 | 2003   | 20    | .59   | ss          | 1   | 229               | 11.4   | .30                           | <.001              |
| 09128500                              | Smith Fork near Crawford, CO                                  | 1984                 | 1994   | 11    | .59   | hu          | 1   | 101               | 22.77  | .51                           | <.001              |
| 09132500                              | North Fork Gunnison River near Somerset, CO                   | 1978                 | 2003   | 26    | .62   | ss          | 1   | 138               | 24.44  | .42                           | <.001              |
| 09134000                              | Minnesota Creek near Paonia, CO                               | 1986                 | 2003   | 18    | .62   | hu          | 1   | 163               | 32.35  | .69                           | <.001              |
| 09135900                              | Leroux Creek at Hotchkiss, CO                                 | 1984                 | 1996   | 13    | .62   | hu          | 1   | 124               | 32.24  | .78                           | <.001              |
| 09143000                              | Surface Creek near Cedaredge, CO                              | 1984                 | 1999   | 16    | .74   | hu          | 1   | 134               | 27.4   | .52                           | <.001              |
| 09143500                              | Surface Creek at Cedaredge, CO                                | 1984                 | 1999   | 16    | .74   | hu          | 1   | 139               | 21.09  | .72                           | <.001              |
| 09144250                              | Gunnison River at Delta, CO                                   | 1984                 | 2003   | 20    | .67   | ss          | 1   | 133               | 20.22  | .77                           | <.001              |
| 09146200                              | Uncompahgre River near Ridgway, CO                            | 1984                 | 2003   | 20    | .64   | ss          | 1   | 231               | 17.79  | .83                           | <.001              |
| 09147000                              | Dallas Creek near Ridgway, CO                                 | 1984                 | 2002   | 19    | .73   | hu          | 1   | 187               | 19.5   | .68                           | <.001              |
| 09147025                              | Uncompahgre River below Ridgway Reservoir, CO                 | 1989                 | 2003   | 15    | .73   | hu          | 1   | 137               | 11.93  | .67                           | <.001              |
| 09147500                              | Uncompahgre River at Colona, CO                               | 1984                 | 2003   | 20    | .66   | ss          | 1   | 106               | 20.54  | .54                           | <.001              |
| 09149500                              | Uncompahgre River at Delta, CO                                | 1974                 | 2003   | 30    | .76   | ss          | 1   | 377               | 17.02  | .78                           | <.001              |
| 09152500                              | Gunnison River near Grand Junction, CO                        | 1974                 | 2003   | 30    | .74   | ss          | 1   | 346               | 16.05  | .88                           | <.001              |
| 09153290                              | Reed Wash near Mack, CO                                       | 1984                 | 2000   | 17    | .71   | ss          | 1   | 175               | 17.02  | .92                           | <.001              |
| 09153300                              | Reed Wash near Loma, CO                                       | 1974                 | 1983   | 10    | .75   | ss          | 1   | 46                | 11.31  | .97                           | <.001              |
| 09163490                              | Salt Creek near Mack, CO                                      | 1974                 | 1983   | 10    | .77   | ss          | 1   | 89                | 14.17  | .96                           | <.001              |
| 09163500                              | Colorado River near Colorado-Utah State Line                  | 1979                 | 2003   | 25    | .63   | ss          | 1   | 273               | 10.04  | .95                           | <.001              |
| 09165000                              | Dolores River below Rico, CO                                  | 1984                 | 1996   | 13    | .57   | hu          | 1   | 94                | 16.17  | .91                           | <.001              |
| 09166500                              | Dolores River at Dolores, CO                                  | 1984                 | 1996   | 13    | .57   | hu          | 1   | 105               | 12.65  | .92                           | <.001              |

See footnotes at end of table.

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name   | Beginning            | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concentration model                           | Number of samples | Residual error, as a percent of median daily concentration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |   |                      |        |       |   |             |   |                   |  |                               |                    |
| 09169500                              | Dolores River at Bedrock, CO                            | 1980                 | 2003   | 24    | .58   | ss          | 1   | 227               | 37.52  | .58                           | <.001              |
| 09171100                              | Dolores River near Bedrock, CO                          | 1980                 | 2003   | 24    | .56   | ss          | 1   | 215               | 44.13  | .87                           | <.001              |
| 09172500                              | San Miguel River near Placerville, CO                   | 1992                 | 2003   | 12    | .70   | hu          | 1   | 111               | 10.74  | .85                           | <.001              |
| 09177000                              | San Miguel River at Uravan, CO                          | 1974                 | 1994   | 21    | .70   | ss          | 1   | 181               | 23.4   | .83                           | <.001              |
| 09180000                              | Dolores River near Cisco, UT                            | 1974                 | 2003   | 30    | .61   | ss          | 1   | 140               | 32.87  | .88                           | <.001              |
| 09180500                              | Colorado River near Cisco, UT                           | 1974                 | 2003   | 30    | .66   | ss          | 1   | 290               | 3.92   | .93                           | <.001              |
| 09183000                              | Courthouse Wash near Moab, UT                           | 1974                 | 1989   | 16    | .66   | hu          | 1   | 156               | 11.76  | .05                           | .005               |
| 09184000                              | Mill Creek near Moab, UT                                | 1974                 | 1991   | 18    | .66   | hu          | 1   | 169               | 16.85  | .52                           | <.001              |
| 09205000                              | New Fork River near Big Piney, WY                       | 1974                 | 1986   | 13    | .58   | ss          | 1   | 132               | 20.25  | .73                           | <.001              |
| 09209400                              | Green River near La Barge, WY                           | 1974                 | 1994   | 21    | .59   | ss          | 1   | 241               | 19.51  | .51                           | <.001              |
| 09211200                              | Green River below Fontenelle Reservoir, WY              | 1974                 | 2003   | 30    | .60   | ss          | 1   | 365               | 14.56  | .60                           | <.001              |
| 09215550                              | Big Sandy River below Farson, WY                        | 1982                 | 1999   | 18    | .72   | ss          | 1   | 167               | 31.88  | .63                           | <.001              |
| 09216050                              | Big Sandy River at Gasson Bridge, near Eden, WY         | 1975                 | 1999   | 25    | .78   | ss          | 1   | 282               | 19.57  | .78                           | <.001              |
| 09217000                              | Green River near Green River, WY                        | 1974                 | 2003   | 30    | .64   | ss          | 1   | 303               | 15.96  | .73                           | <.001              |
| 09222000                              | Blacks Fork near Lyman, WY                              | 1974                 | 1983   | 10    | .72   | ss          | 1   | 209               | 34.52  | .70                           | <.001              |
| 09224700                              | Blacks Fork near Little America, WY                     | 1974                 | 2003   | 30    | .68   | ss          | 1   | 381               | 24.84  | .75                           | <.001              |
| 09234500                              | Green River near Greendale, UT                          | 1974                 | 2001   | 28    | .65   | ss          | 2   | 238               | 5.92   | .78                           | n/a                |
| 09235600                              | Pot Creek above Diversions, near Vernal, UT             | 1974                 | 1991   | 18    | .65   | hu          | 1   | 100               | 33.12  | .50                           | <.001              |
| 09235800                              | Pot Creek near Vernal, UT                               | 1974                 | 1982   | 9     | .65   | hu          | 1   | 43                | 17.54  | .79                           | <.001              |
| 09237450                              | Yampa River above Stagecoach Reservoir, CO              | 1989                 | 2003   | 15    | .65   | ss          | 1   | 186               | 14.01  | .20                           | <.001              |
| 09237500                              | Yampa River below Stagecoach Reservoir, CO              | 1985                 | 2003   | 19    | .64   | ss          | 2   | 232               | 7.65   | .65                           | n/a                |
| 09238900                              | Fish Creek at upper station, near Steamboat Springs, CO | 1983                 | 2003   | 21    | .83   | ss          | 1   | 138               | 22.66  | .58                           | <.001              |
| 09239500                              | Yampa River at Steamboat Springs, CO                    | 1975                 | 2003   | 29    | .61   | ss          | 1   | 252               | 33.52  | .67                           | <.001              |
| 09242500                              | Elk River near Milner, CO                               | 1992                 | 2003   | 12    | .61   | ss          | 1   | 163               | 30.91  | .67                           | <.001              |
| 09243700                              | Middle Creek near Oak Creek, CO                         | 1983                 | 2001   | 19    | .63   | ss          | 1   | 174               | 19.91  | .56                           | <.001              |
| 09243800                              | Foidel Creek near Oak Creek, CO                         | 1985                 | 2001   | 17    | .74   | ss          | 1   | 166               | 17.38  | .64                           | <.001              |
| 09243900                              | Foidel Creek at Mouth, near Oak Creek, CO               | 1984                 | 2001   | 18    | .74   | ss          | 1   | 185               | 19.17  | .55                           | <.001              |
| 09244410                              | Yampa River below Diversion, near Hayden, CO            | 1975                 | 1986   | 12    | .59   | ss          | 1   | 102               | 30.74  | .70                           | <.001              |
| 09245000                              | Elkhead Creek near Elkhead, CO                          | 1985                 | 1996   | 12    | .65   | hu          | 1   | 86                | 17.9   | .79                           | <.001              |
| 09247600                              | Yampa River below Craig, CO                             | 1985                 | 2003   | 19    | .60   | ss          | 1   | 310               | 35.65  | .59                           | <.001              |
| 09249750                              | Williams Fork at Mouth, near Hamilton, CO               | 1984                 | 2001   | 18    | .63   | ss          | 1   | 279               | 26.64  | .59                           | <.001              |
| 09251000                              | Yampa River near Maybell, CO                            | 1974                 | 2003   | 30    | .61   | ss          | 1   | 320               | 32.64  | .67                           | <.001              |
| 09253000                              | Little Snake River near Slater, CO                      | 1975                 | 1999   | 25    | .65   | ss          | 1   | 183               | 21.47  | .75                           | <.001              |
| 09255000                              | Slater Fork near Slater, CO                             | 1985                 | 2003   | 19    | .65   | hu          | 1   | 158               | 22.34  | .72                           | <.001              |
| 09260000                              | Little Snake River near Lily, CO                        | 1974                 | 2003   | 30    | .65   | ss          | 1   | 319               | 35.59  | .70                           | <.001              |
| 09260050                              | Yampa River at Deerlodge Park, CO                       | 1983                 | 1994   | 12    | .60   | ss          | 1   | 83                | 42.78  | .56                           | <.001              |

See footnotes at end of table.

## 2-6 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|--|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name  | Begin-ning           | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concen- tration model                         | Number of samples | Residual error, as a percent of median daily concen- tration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |  |                      |        |       |   |             |   |                   |  |                               |                    |
| 09261700                              | Big Brush Creek above Red Fleet Reservoir, near Vernal, UT | 1982                 | 1991   | 10    | .74   | au          | 1   | 83                | 15.41  | .92                           | <.001              |
| 09266500                              | Ashley Creek near Vernal, UT                               | 1974                 | 1991   | 18    | .74   | au          | 1   | 153               | 22.45  | .73                           | <.001              |
| 09270500                              | Dry Fork at mouth, near Dry Fork, UT                       | 1974                 | 1989   | 16    | .74   | au          | 1   | 153               | 39.33  | .78                           | <.001              |
| 09271500                              | Ashley Creek near Jensen, UT                               | 1974                 | 1983   | 10    | .74   | au          | 1   | 115               | 28.14  | .79                           | <.001              |
| 09275500                              | West Fork Duchesne River near Hanna, UT                    | 1974                 | 1991   | 18    | .68   | hu          | 1   | 147               | 15.18  | .49                           | <.001              |
| 09276000                              | Wolf Creek above Rhoades Canyon near Hanna, UT             | 1974                 | 1984   | 11    | .68   | hu          | 1   | 96                | 12.01  | .50                           | <.001              |
| 09278000                              | South Fork Rock Creek near Hanna, UT                       | 1974                 | 1991   | 18    | .68   | hu          | 1   | 149               | 17.77  | .66                           | <.001              |
| 09278500                              | Rock Creek near Hanna, UT                                  | 1975                 | 1988   | 14    | .68   | hu          | 1   | 87                | 20.86  | .60                           | <.001              |
| 09279000                              | Rock Creek near Mountain Home, UT                          | 1974                 | 1991   | 18    | .68   | hu          | 1   | 138               | 23.81  | .72                           | <.001              |
| 09279100                              | Rock Creek near Talmage, UT                                | 1974                 | 1991   | 18    | .68   | hu          | 1   | 141               | 20.53  | .88                           | <.001              |
| 09279150                              | Duchesne River above Knight Diversion, near Duchesne, UT   | 1974                 | 1991   | 18    | .61   | ss          | 1   | 178               | 20.7   | .75                           | <.001              |
| 09280400                              | Hobble Creek at Daniels Summit, near Wallsburg, UT         | 1974                 | 1984   | 11    | .61   | hu          | 1   | 102               | 13.77  | .92                           | <.001              |
| 09285000                              | Strawberry River near Soldier Springs, UT                  | 1974                 | 1991   | 18    | .61   | hu          | 1   | 107               | 12.04  | .64                           | <.001              |
| 09287500                              | Water Hollow near Fruitland, UT                            | 1974                 | 1984   | 11    | .61   | hu          | 1   | 114               | 7.96   | .82                           | <.001              |
| 09288000                              | Currant Creek near Fruitland, UT                           | 1974                 | 1991   | 18    | .61   | hu          | 1   | 185               | 1.65   | .58                           | <.001              |
| 09288150                              | West Fork Avintaquin Creek near Fruitland, UT              | 1974                 | 1986   | 13    | .61   | hu          | 1   | 129               | 11.49  | .23                           | <.001              |
| 09288180                              | Strawberry River near Duchesne, UT                         | 1974                 | 1991   | 18    | .62   | ss          | 1   | 185               | 11.44  | .65                           | <.001              |
| 09288900                              | Sowers Creek near Duchesne, UT                             | 1974                 | 1987   | 14    | .68   | hu          | 1   | 120               | 8.85   | .56                           | <.001              |
| 09292500                              | Yellowstone River near Altonah, UT                         | 1974                 | 1994   | 21    | .61   | ss          | 1   | 119               | 21.48  | .73                           | <.001              |
| 09295000                              | Duchesne River at Myton, UT                                | 1974                 | 1994   | 21    | .70   | ss          | 1   | 167               | 23.11  | .83                           | <.001              |
| 09297000                              | Uinta River near Neola, UT                                 | 1974                 | 1983   | 10    | .70   | ss          | 1   | 44                | 26.42  | .08                           | .062               |
| 09298000                              | Farm Creek near Whiterocks, UT                             | 1974                 | 1981   | 8     | .68   | hu          | 1   | 74                | 10.12  | .83                           | <.001              |
| 09299500                              | Whiterocks River near Whiterocks, UT                       | 1974                 | 1994   | 21    | .70   | ss          | 1   | 124               | 31.5   | .61                           | <.001              |
| 09302000                              | Duchesne River near Randlett, UT                           | 1974                 | 2003   | 30    | .69   | ss          | 1   | 283               | 23.16  | .83                           | <.001              |
| 09303000                              | North Fork White River at Burford, CO                      | 1977                 | 2001   | 25    | .65   | ss          | 1   | 277               | 7.12   | .92                           | <.001              |
| 09303300                              | South Fork White River at Budges Resort, CO                | 1983                 | 1995   | 13    | .64   | ss          | 1   | 72                | 13.96  | .12                           | .003               |
| 09303400                              | South Fork White River near Budges Resort, CO              | 1983                 | 1995   | 13    | .62   | ss          | 1   | 120               | 11.28  | .17                           | <.001              |
| 09303500                              | South Fork White River near Buford, CO                     | 1983                 | 1992   | 10    | .61   | ss          | 1   | 93                | 9.02   | .32                           | <.001              |
| 09304000                              | South Fork White River at Buford, CO                       | 1977                 | 1997   | 21    | .61   | ss          | 1   | 235               | 9.51   | .67                           | <.001              |
| 09304200                              | White River above Coal Creek, near Meeker, CO              | 1974                 | 2003   | 30    | .63   | ss          | 1   | 555               | 10.23  | .84                           | <.001              |
| 09304500                              | White River near Meeker, CO                                | 1984                 | 2003   | 20    | .63   | hu          | 1   | 199               | 10.14  | .88                           | <.001              |
| 09304800                              | White River below Meeker, CO                               | 1974                 | 2003   | 30    | .63   | ss          | 1   | 577               | 13.28  | .82                           | <.001              |
| 09306007                              | Piceance Creek below Rio Blanco, CO                        | 1975                 | 1998   | 24    | .64   | ss          | 1   | 303               | 8.92   | .61                           | <.001              |
| 09306022                              | Stewart Gulch above West Fork, near Rio Blanco, CO         | 1975                 | 1985   | 11    | .68   | ss          | 1   | 172               | 4.76   | .11                           | <.001              |

See footnotes at end of table.

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name   | Begin-ning           | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concen- tration model                         | Number of samples | Residual error, as a percent of median daily concen- tration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |   |                      |        |       |   |             |   |                   |  |                               |                    |
| 09306200                              | Piceance Creek below Ryan Gulch, near Rio Blanco, CO                  | 1974                 | 1998   | 25    | .67   | ss          | 1   | 258               | 12.69  | .72                           | <.001              |
| 09306222                              | Piceance Creek at White River, CO                                     | 1974                 | 2003   | 30    | .67   | ss          | 1   | 343               | 13.7   | .88                           | <.001              |
| 09306235                              | Corral Gulch below Water Gulch, near Rangely, CO                      | 1975                 | 1989   | 15    | .68   | ss          | 2   | 109               | 9.98   | .88                           | n/a                |
| 09306242                              | Corral Gulch near Rangely, CO   | 1975                 | 2003   | 29    | .67   | ss          | 2   | 247               | 11.2   | .47                           | n/a                |
| 09306255                              | Yellow Creek near White River, CO                                     | 1989                 | 2003   | 15    | .69   | ss          | 1   | 161               | 6.85   | .54                           | <.001              |
| 09306290                              | White River below Boise Creek, near Rangely, CO                       | 1983                 | 2003   | 21    | .64   | ss          | 1   | 292               | 17.34  | .70                           | <.001              |
| 09306410                              | Evacuation Creek above Missouri Creek, near Dragon, UT                | 1975                 | 1983   | 9     | .78   | ss          | 1   | 96                | 11.3   | .70                           | <.001              |
| 09306430                              | Evacuation Creek near mouth, near Watson, UT                          | 1975                 | 1981   | 7     | .79   | ss          | 1   | 95                | 27   | .37                           | <.001              |
| 09306500                              | White River near Watson, UT   | 1986                 | 2003   | 18    | .66   | ss          | 1   | 135               | 19.49  | .51                           | <.001              |
| 09306800                              | Bitter Creek near Bonanza, UT   | 1974                 | 1988   | 15    | .91   | ss          | 1   | 92                | 20.17  | .81                           | <.001              |
| 09306850                              | Bitter Creek at mouth, near Bonanza, UT                               | 1975                 | 1983   | 9     | .93   | ss          | 1   | 59                | 17.71  | .79                           | <.001              |
| 09306900                              | White River at mouth, near Ouray, UT                                  | 1975                 | 1986   | 12    | .66   | ss          | 1   | 154               | 17.48  | .61                           | <.001              |
| 09307200                              | Pariette Draw near Ouray, UT  | 1976                 | 1984   | 9     | .75   | ss          | 1   | 89                | 17.33  | .80                           | <.001              |
| 09307300                              | Pariette Draw at mouth, near Ouray, UT                                | 1976                 | 1984   | 9     | .75   | ss          | 1   | 81                | 20.57  | .67                           | <.001              |
| 09307500                              | Willow Creek above diversions, near Ouray, UT                         | 1975                 | 1983   | 9     | .66   | ss          | 1   | 69                | 10.1   | .40                           | <.001              |
| 09308000                              | Willow Creek near Ouray, UT   | 1975                 | 1983   | 9     | .73   | ss          | 1   | 63                | 20.18  | .84                           | <.001              |
| 09308500                              | Minnie Maud Creek near Myton, UT                                      | 1974                 | 1989   | 16    | .75   | hu          | 1   | 92                | 16.71  | .31                           | <.001              |
| 09310000                              | Gooseberry Creek near Scofield, UT                                    | 1974                 | 1991   | 18    | .83   | hu          | 1   | 204               | 35.02  | .20                           | <.001              |
| 09310500                              | Fish Creek above reservoir, near Scofield, UT                         | 1974                 | 1991   | 18    | .56   | ss          | 1   | 116               | 19.07  | .13                           | .004               |
| 09312600                              | White River below Tabbyune Creek, near Soldier Summit, UT             | 1974                 | 1992   | 19    | .83   | hu          | 1   | 142               | 13.93  | .17                           | <.001              |
| 09312700                              | Beaver Creek near Soldier Summit, UT                                  | 1974                 | 1989   | 16    | .83   | hu          | 1   | 119               | 12.86  | .59                           | <.001              |
| 09312800                              | Willow Creek near Castle Gate, UT                                     | 1974                 | 1989   | 16    | .83   | hu          | 1   | 132               | 17.47  | .42                           | <.001              |
| 09314250                              | Price River below Miller Creek, near Wellington, UT                   | 1974                 | 1986   | 13    | .83   | hu          | 1   | 114               | 21.32  | .84                           | <.001              |
| 09314280                              | Desert Seep Wash near Wellington, UT                                  | 1974                 | 1986   | 13    | .83   | hu          | 1   | 95                | 36.71  | .47                           | <.001              |
| 09315000                              | Green River at Green River, UT  | 1974                 | 2003   | 30    | .66   | ss          | 1   | 180               | 19.48  | .68                           | <.001              |
| 09324500                              | Cottonwood Creek near Orangeville, UT                                 | 1976                 | 1984   | 9     | .60   | ss          | 1   | 95                | 8.7  | .75                           | <.001              |
| 09326500                              | Ferron Creek (upper station) near Ferron, UT                          | 1974                 | 1991   | 18    | .82   | hu          | 1   | 170               | 12.39  | .56                           | <.001              |
| 09328000                              | San Rafael River near Castle Dale, UT                                 | 1974                 | 1986   | 13    | .82   | hu          | 1   | 117               | 25.14  | .79                           | <.001              |
| 09328100                              | San Rafael River at San Rafael Bridge Campground, near Carbondale, UT | 1976                 | 1986   | 11    | .80   | ss          | 1   | 108               | 27.78  | .79                           | <.001              |
| 09328500                              | San Rafael River near Green River, UT                                 | 1974                 | 2003   | 30    | .84   | ss          | 1   | 275               | 26.98  | .71                           | <.001              |
| 09329050                              | Seven Mile Creek near Fish Lake, UT                                   | 1974                 | 1992   | 19    | .70   | hu          | 1   | 100               | 14.32  | .27                           | <.001              |
| 09330000                              | Fremont River near Bicknell, UT                                       | 1977                 | 1992   | 16    | .70   | hu          | 1   | 100               | 9.99   | .07                           | .028               |
| 09330230                              | Fremont River near Caineville, UT                                     | 1974                 | 1991   | 18    | .70   | ss          | 1   | 153               | 17.55  | .28                           | <.001              |

See footnotes at end of table.

## 2-8 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|--|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name  | Begin-ning           | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concen- tration model                         | Number of samples | Residual error, as a percent of median daily concen- tration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |  |                      |        |       |   |             |   |                   |  |                               |                    |
| 09332700                              | Muddy Creek at Delta Mine, near Hanksville, UT                     | 1976                 | 1986   | 11    | .73   | ss          | 1   | 89                | 37.35  | .63                           | <.001              |
| 09333500                              | Dirty Devil River above Poison Spring Wash, near Hanksville, UT    | 1974                 | 1992   | 19    | .78   | ss          | 1   | 129               | 27.56  | .34                           | <.001              |
| 09337000                              | Pine Creek near Escalante, UT                                      | 1974                 | 1991   | 18    | .65   | hu          | 1   | 129               | 18.27  | .29                           | <.001              |
| 09337500                              | Escalante River near Escalante, UT                                 | 1974                 | 1991   | 18    | .65   | ss          | 1   | 130               | 23.39  | .79                           | <.001              |
| 09339900                              | East Fork San Juan River above Sand Creek, near Pagosa Springs, CO | 1984                 | 1996   | 13    | .56   | hu          | 1   | 87                | 11.57  | .83                           | <.001              |
| 09342500                              | San Juan River at Pagosa Springs, CO                               | 1984                 | 1995   | 12    | .56   | hu          | 1   | 87                | 21.01  | .76                           | <.001              |
| 09346000                              | Navajo River at Edith, CO  | 1984                 | 1995   | 12    | .56   | hu          | 1   | 66                | 20.71  | .23                           | <.001              |
| 09346400                              | San Juan River near Carracas, CO                                   | 1984                 | 2003   | 20    | .56   | hu          | 1   | 151               | 34.52  | .67                           | <.001              |
| 09349800                              | Piedra River near Arboles, CO                                      | 1984                 | 2003   | 20    | .65   | hu          | 1   | 170               | 22.34  | .82                           | <.001              |
| 09352900                              | Vallecito Creek near Bayfield, CO                                  | 1974                 | 2003   | 30    | .56   | ss          | 1   | 316               | 15.5   | .69                           | <.001              |
| 09354500                              | Los Pinos River at La Boca, CO                                     | 1984                 | 2003   | 20    | .59   | ss          | 1   | 130               | 17.69  | .69                           | <.001              |
| 09355000                              | Spring Creek at La Boca, CO  | 1984                 | 2003   | 20    | .63   | ss          | 1   | 123               | 23.65  | .85                           | <.001              |
| 09355500                              | San Juan River near Archuleta, NM                                  | 1974                 | 2002   | 29    | .65   | ss          | 2   | 185               | 14.29  | .38                           | n/a                |
| 09359020                              | Animas River below Silverton, CO                                   | 1992                 | 2003   | 12    | .65   | ss          | 1   | 106               | 9.13   | .98                           | <.001              |
| 09361500                              | Animas River at Durango, CO  | 1984                 | 2003   | 20    | .65   | hu          | 1   | 164               | 14.49  | .93                           | <.001              |
| 09363500                              | Animas River near Cedar Hill, NM                                   | 1987                 | 1998   | 12    | .65   | hu          | 1   | 50                | 11.43  | .91                           | <.001              |
| 09364500                              | Animas River at Farmington, NM                                     | 1974                 | 2002   | 29    | .65   | ss          | 1   | 179               | 16.31  | .87                           | <.001              |
| 09367561                              | Shumway Arroyo near Waterflow, NM                                  | 1975                 | 1984   | 10    | .83   | ss          | 2   | 186               | 39.94  | .53                           | n/a                |
| 09367950                              | Chaco River near Waterflow, NM                                     | 1976                 | 1989   | 14    | .73   | ss          | 1   | 168               | 36.71  | .42                           | <.001              |
| 09368000                              | San Juan River at Shiprock, NM                                     | 1974                 | 2002   | 29    | .65   | ss          | 1   | 323               | 28.55  | .50                           | <.001              |
| 09371000                              | Mancos River near Towaoc, CO                                       | 1984                 | 2003   | 20    | .74   | ss          | 1   | 156               | 29.4   | .73                           | <.001              |
| 09371010                              | San Juan River at Four Corners, CO                                 | 1978                 | 2002   | 25    | .66   | ss          | 1   | 149               | 20.24  | .66                           | <.001              |
| 09371492                              | Mud Creek at State Highway 32, near Cortez, CO                     | 1994                 | 2003   | 10    | .82   | ss          | 1   | 101               | 10.76  | .97                           | <.001              |
| 09371500                              | McElmo Creek near Cortez, CO                                       | 1983                 | 1993   | 11    | .84   | ss          | 1   | 95                | 15.6   | .83                           | <.001              |
| 09371520                              | McElmo Creek above Trail Canyon, near Cortez, CO                   | 1994                 | 2003   | 10    | .78   | ss          | 1   | 100               | 12.94  | .92                           | <.001              |
| 09372000                              | McElmo Creek near Colorado-Utah state line                         | 1978                 | 2003   | 26    | .82   | ss          | 1   | 244               | 13.24  | .84                           | <.001              |
| 09378200                              | Montezuma Creek at golf course at Monticello, UT                   | 1980                 | 1991   | 12    | .68   | au          | 1   | 75                | 44.29  | .53                           | <.001              |
| 09378630                              | Recapture Creek near Blanding, UT                                  | 1974                 | 1991   | 18    | .68   | au          | 1   | 81                | 45.37  | .18                           | .001               |
| 09378650                              | Recapture Creek below Johnson Creek, near Blanding, UT             | 1978                 | 1989   | 12    | .68   | au          | 1   | 50                | 29.19  | .40                           | <.001              |
| 09378700                              | Cottonwood Wash near Blanding, UT                                  | 1974                 | 1987   | 14    | .68   | au          | 1   | 78                | 28.85  | .43                           | <.001              |
| 09379500                              | San Juan River near Bluff, UT                                      | 1974                 | 2003   | 30    | .68   | ss          | 1   | 290               | 24.1   | .64                           | <.001              |
| 09380000                              | Colorado River at Lees Ferry, AZ                                   | 1974                 | 2003   | 30    | .66   | ss          | 2   | 253               | 7.64   | .74                           | n/a                |

See footnotes at end of table.

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name   | Begin-ning           | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concen- tration model                         | Number of samples | Residual error, as a percent of median daily concen- tration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |   |                      |        |       |   |             |   |                   |  |                               |                    |
| 09384000                              | Little Colorado River above Lyman Lake, near St. Johns, AZ        | 1976                 | 1984   | 9     | .62   | ss          | 1   | 91                | 16.83  | .82                           | <.001              |
| 09386950                              | Zuni River above Black Rock Reservoir, NM                         | 1979                 | 1994   | 16    | .62   | ss          | 1   | 70                | 24.88  | .52                           | <.001              |
| 09403600                              | Kanab Creek near Kanab, UT  | 1979                 | 1991   | 13    | .66   | au          | 1   | 116               | 22.22  | .37                           | <.001              |
| 09404450                              | East Fork Virgin River near Glendale, UT                          | 1974                 | 1991   | 18    | .55   | ss          | 1   | 155               | 7.65   | .35                           | <.001              |
| 09406000                              | Virgin River at Virgin, UT  | 1979                 | 2002   | 24    | .65   | ss          | 1   | 106               | 15.7   | .37                           | <.001              |
| 09409880                              | Santa Clara River at Gunlock, UT                                  | 1974                 | 1991   | 18    | .59   | ss          | 1   | 152               | 14.57  | .57                           | <.001              |
| 09415000                              | Virgin River at Littlefield, AZ                                   | 1974                 | 2003   | 30    | .72   | ss          | 1   | 270               | 15.35  | .79                           | <.001              |
| 09419515                              | Muddy River above Lake Mead, near Overton, NV                     | 1985                 | 1993   | 9     | .73   | ss          | 1   | 50                | 19.42  | .67                           | <.001              |
| 09419678.3                            | Las Vegas Wash below Flamingo Wash confluence, near Las Vegas, NV | 1997                 | 2003   | 7     | .76   | ss          | 1   | 179               | 27.56  | .87                           | <.001              |
| 09419800                              | Las Vegas Wash below Lake Las Vegas, near Boulder City, NV        | 1974                 | 1984   | 11    | .73   | ss          | 1   | 172               | 8.06   | .77                           | <.001              |
| 09421500                              | Colorado River below Hoover Dam, AZ-NV                            | 1974                 | 2003   | 30    | .65   | ss          | 2   | 208               | 2.53   | .96                           | n/a                |
| 09424150 <sup>6</sup>                 | Colorado River Aqueduct near Parker Dam, AZ-CA                    | 1982                 | 2003   | 22    | .64   | ss          | 2*  | 472               | 4.93   | .77                           | n/a                |
| 09426600 <sup>6</sup>                 | Bill Williams River near Planet, AZ                               | 1989                 | 2003   | 15    | .60   | ss          | 1*  | 132               | 14.13  | .76                           | <.001              |
| 09426650 <sup>7</sup>                 | Central Arizona Project Canal at Havasu Pumping Plant             | 1985                 | 2003   | 19    | .64   | ss          | 2*  | 472               | 5.01   | .77                           | n/a                |
| 09427520                              | Colorado River below Parker Dam, AZ-CA                            | 1974                 | 2003   | 30    | .64   | ss          | 2   | 472               | 4.88   | .77                           | n/a                |
| 09429490                              | Colorado River above Imperial Dam, AZ-CA                          | 1977                 | 2003   | 27    | .63   | ss          | 2   | 440               | 7.56   | .66                           | n/a                |
| 09430600                              | Mogollon Creek near Cliff, NM                                     | 1974                 | 1996   | 23    | .75   | ss          | 1   | 105               | 13.77  | .58                           | <.001              |
| 09431500                              | Gila River near Redrock, NM                                       | 1974                 | 2002   | 29    | .67   | ss          | 1   | 305               | 10.25  | .79                           | <.001              |
| 09444000                              | San Francisco River near Glenwood, NM                             | 1974                 | 2002   | 29    | .65   | ss          | 1   | 164               | 11.43  | .53                           | <.001              |
| 09444600 <sup>8</sup>                 | San Francisco River near Clifton, AZ                              | 1976                 | 1993   | 18    | .59   | ss          | 1*  | 132               | 14.44  | .93                           | <.001              |
| 09448500                              | Gila River at head of Safford Valley, near Solomon, AZ            | 1976                 | 2003   | 28    | .61   | ss          | 1   | 155               | 13.57  | .92                           | <.001              |
| 09466500                              | Gila River at Calva, AZ   | 1975                 | 2003   | 29    | .60   | ss          | 1   | 197               | 37.75  | .78                           | <.001              |
| 09471000                              | San Pedro River at Charleston, AZ                                 | 1977                 | 2003   | 27    | .61   | ss          | 1   | 203               | 18.52  | .22                           | <.001              |
| 09474000                              | Gila River at Kelvin, AZ  | 1974                 | 2003   | 30    | .66   | ss          | 1   | 120               | 33.72  | .53                           | <.001              |
| 09498400                              | Pinal Creek at Inspiration Dam, near Globe, AZ                    | 1980                 | 2003   | 24    | .94   | ss          | 1   | 173               | 11.2   | .73                           | <.001              |
| 09498500                              | Salt River near Roosevelt, AZ                                     | 1976                 | 2003   | 28    | .56   | ss          | 1   | 303               | 26.22  | .88                           | <.001              |
| 09499000                              | Tonto Creek above Gun Creek, near Roosevelt, AZ                   | 1976                 | 1992   | 17    | .57   | ss          | 1   | 58                | 13.55  | .88                           | <.001              |
| 09502000                              | Salt River below Stewart Mountain Dam, AZ                         | 1974                 | 2003   | 30    | .55   | ss          | 2   | 168               | 12.3   | .95                           | n/a                |
| 09504000                              | Verde River near Clarkdale, AZ                                    | 1976                 | 2003   | 28    | .57   | ss          | 1   | 209               | 10.69  | .85                           | <.001              |
| 09504440 <sup>9</sup>                 | Oak Creek at Red Rock Crossing, near Sedona, AZ                   | 1982                 | 1994   | 13    | .59   | ss          | 1*  | 104               | 7.93   | .89                           | <.001              |
| 09505800                              | West Clear Creek near Camp Verde, AZ                              | 1996                 | 2003   | 8     | .58   | ss          | 1   | 75                | 8.79   | .94                           | <.001              |
| 09507980                              | East Verde River near Childs, AZ                                  | 1991                 | 2003   | 13    | .57   | ss          | 1   | 65                | 12.5   | .79                           | <.001              |
| 09508300                              | Wet Bottom Creek near Childs, AZ                                  | 1974                 | 1996   | 23    | .67   | ss          | 1   | 131               | 18.34  | .90                           | <.001              |

See footnotes at end of table.

## 2-10 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name   | Beginning            | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concentration model                           | Number of samples | Residual error, as a percent of median daily concentration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |   |                      |        |       |   |             |   |                   |  |                               |                    |
| 09510000                              | Verde River below Bartlett Dam, AZ  | 1974                 | 2003   | 30    | .61   | ss          | 2   | 169               | 16.35  | .79                           | n/a                |
| 09512800                              | Agua Fria River near Rock Springs, AZ                                     | 1982                 | 1996   | 15    | .61   | ss          | 1   | 165               | 18.74  | .51                           | <.001              |
| 09518000                              | Gila River above diversions, at Gillespie Dam, AZ                         | 1974                 | 1998   | 25    | .63   | ss          | 1   | 239               | 22.58  | .83                           | <.001              |
| 09520500                              | Gila River near Dome, AZ  | 1984                 | 1994   | 11    | .62   | ss          | 1   | 111               | 61.8   | .40                           | <.001              |
| 09522000                              | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 1974                 | 1999   | 26    | .62   | ss          | 1   | 745               | 8.39   | .79                           | <.001              |
| 09527500 <sup>10</sup>                | All-American Canal below Pilot Knob Wasteway, CA                          | 1974                 | 2003   | 30    | .63   | ss          | 2*  | 625               | 6.59   | .71                           | n/a                |
| 10010400                              | East Fork Bear River near Evanston, WY                                    | 1974                 | 1986   | 13    | .62   | hu          | 1   | 97                | 26.38  | .68                           | <.001              |
| 10011500                              | Bear River near Utah-Wyoming state line                                   | 1974                 | 1991   | 18    | .62   | hu          | 2   | 159               | 24.79  | .33                           | n/a                |
| 10015700                              | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY  | 1974                 | 1991   | 18    | .59   | ss          | 1   | 126               | 21.45  | .33                           | <.001              |
| 10015900                              | Sulphur Creek below reservoir, near Evanston, WY                          | 1974                 | 1991   | 18    | .59   | ss          | 1   | 84                | 21.66  | .15                           | .004               |
| 10020100                              | Bear River above reservoir, near Woodruff, UT                             | 1974                 | 1991   | 18    | .57   | ss          | 1   | 233               | 22.37  | .55                           | <.001              |
| 10020300                              | Bear River below reservoir, near Woodruff, UT                             | 1974                 | 1991   | 18    | .62   | hu          | 1   | 98                | 20.23  | .55                           | <.001              |
| 10026500                              | Bear River near Randolph, UT  | 1974                 | 1991   | 18    | .62   | hu          | 1   | 120               | 17.39  | .56                           | <.001              |
| 10032000                              | Smiths Fork near Border, WY   | 1974                 | 1991   | 18    | .60   | ss          | 1   | 122               | 13.15  | .29                           | <.001              |
| 10038000                              | Bear River below Smiths Fork, near Cokeville, WY                          | 1974                 | 2003   | 30    | .57   | ss          | 2   | 178               | 16.3   | .32                           | n/a                |
| 10039500                              | Bear River at Border, WY  | 1974                 | 1993   | 20    | .59   | ss          | 2   | 274               | 14.42  | .22                           | n/a                |
| 10041000                              | Thomas Fork near Wyoming-Idaho state line                                 | 1974                 | 1991   | 18    | .55   | ss          | 1   | 132               | 26.98  | .63                           | <.001              |
| 10068500                              | Bear River at Pescadero, ID   | 1974                 | 1993   | 20    | .57   | ss          | 2   | 108               | 16.24  | .45                           | n/a                |
| 10092700                              | Bear River at Idaho-Utah state line                                       | 1974                 | 1991   | 18    | .56   | hu          | 2   | 88                | 25.37  | .60                           | n/a                |
| 10093000                              | Cub River near Preston, ID  | 1974                 | 1984   | 11    | .56   | hu          | 1   | 123               | 13.17  | .31                           | <.001              |
| 10099000                              | High Creek near Richmond, UT  | 1979                 | 1989   | 11    | .56   | hu          | 1   | 75                | 14.25  | .29                           | <.001              |
| 10104700                              | Little Bear River below Davenport Creek, near Avon, UT                    | 1974                 | 1992   | 19    | .57   | au          | 1   | 137               | 13.15  | .70                           | <.001              |
| 10106000                              | Little Bear River near Paradise, UT                                       | 1974                 | 1984   | 11    | .57   | au          | 1   | 157               | 16.95  | .62                           | <.001              |
| 10109000                              | Logan River above State Dam, near Logan, UT                               | 1974                 | 1992   | 19    | .57   | au          | 1   | 176               | 14.67  | .40                           | <.001              |
| 10113500                              | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT   | 1974                 | 1991   | 18    | .57   | au          | 1   | 173               | 14.22  | .38                           | <.001              |
| 10118000                              | Bear River near Collinston, UT  | 1974                 | 1981   | 8     | .58   | hu          | 1   | 41                | 31.49  | .69                           | <.001              |
| 10125500                              | Malad River at Woodruff, ID   | 1974                 | 1982   | 9     | .59   | ss          | 1   | 46                | 13.21  | .89                           | <.001              |
| 10125600                              | Malad River near Plymouth, UT   | 1974                 | 1980   | 7     | .58   | hu          | 1   | 56                | 19.98  | .92                           | <.001              |
| 10126000                              | Bear River near Corinne, UT   | 1974                 | 2000   | 27    | .57   | ss          | 1   | 216               | 26.59  | .83                           | <.001              |
| 10126180                              | Sulphur Creek near Corinne, UT  | 1974                 | 1984   | 11    | .60   | ss          | 2   | 150               | 23.87  | .66                           | n/a                |
| 10128500                              | Weber River near Oakley, UT   | 1974                 | 1991   | 18    | .56   | hu          | 1   | 165               | 22.43  | .77                           | <.001              |
| 10130500                              | Weber River near Coalville, UT  | 1974                 | 2000   | 27    | .56   | ss          | 1   | 179               | 13.48  | .62                           | <.001              |

See footnotes at end of table.



**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|--|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name  | Begin-ning           | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concen- tration model                         | Number of samples | Residual error, as a percent of median daily concen- tration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |  |                      |        |       |   |             |   |                   |  |                               |                    |
| 10134500                              | East Canyon Creek near Morgan, UT                            | 1975                 | 1991   | 17    | .58   | hu          | 1   | 132               | 11.2   | .38                           | <.001              |
| 10136500                              | Weber River at Gateway, UT                                   | 1974                 | 1991   | 18    | .60   | ss          | 1   | 152               | 14.68  | .52                           | <.001              |
| 10137500                              | South Fork Ogden River near Huntsville, UT                   | 1974                 | 1991   | 18    | .58   | hu          | 1   | 131               | 10.76  | .76                           | <.001              |
| 10139300                              | Wheeler Creek near Huntsville, UT                            | 1974                 | 1991   | 18    | .58   | hu          | 1   | 120               | 14.23  | .70                           | <.001              |
| 10141000                              | Weber River near Plain City, UT                              | 1974                 | 2000   | 27    | .57   | ss          | 1   | 201               | 19.09  | .67                           | <.001              |
| 10146000                              | Salt Creek at Nephi, UT                                      | 1974                 | 1980   | 7     | .57   | hu          | 1   | 77                | 14.8   | .77                           | <.001              |
| 10146400                              | Currant Creek near Mona, UT                                  | 1979                 | 1994   | 16    | .57   | hu          | 1   | 106               | 27.65  | .58                           | <.001              |
| 10148200                              | Tie Fork near Soldier Summit, UT                             | 1974                 | 1991   | 18    | .60   | hu          | 2   | 141               | 9.82   | .45                           | n/a                |
| 10150500                              | Spanish Fork at Castilla, UT                                 | 1974                 | 1991   | 18    | .60   | hu          | 1   | 184               | 18.17  | .62                           | <.001              |
| 10152000                              | Spanish Fork near Lake Shore, UT                             | 1974                 | 1984   | 11    | .60   | ss          | 1   | 109               | 21.76  | .40                           | <.001              |
| 10154200                              | Provo River near Woodland, UT                                | 1974                 | 1991   | 18    | .59   | hu          | 1   | 162               | 17.24  | .86                           | <.001              |
| 10155000                              | Provo River near Hailstone, UT                               | 1974                 | 1991   | 18    | .59   | hu          | 1   | 127               | 28.84  | .49                           | <.001              |
| 10159500                              | Provo River below Deer Creek Dam, UT                         | 1974                 | 1991   | 18    | .59   | hu          | 1   | 149               | 15.23  | .55                           | <.001              |
| 10163000                              | Provo River at Provo, UT                                     | 1974                 | 1991   | 18    | .59   | ss          | 1   | 139               | 11.97  | .48                           | <.001              |
| 10164500                              | American Fork above upper powerplant, near American Fork, UT | 1974                 | 1989   | 16    | .57   | hu          | 1   | 134               | 14.31  | .69                           | <.001              |
| 10171000                              | Jordan River at 1700 South at Salt Lake City, UT             | 1974                 | 2003   | 30    | .62   | ss          | 2   | 290               | 19.54  | .32                           | n/a                |
| 10172200                              | Red Butte Creek at Fort Douglas, near Salt Lake City, UT     | 1974                 | 2003   | 30    | .63   | ss          | 1   | 254               | 6.12   | .80                           | <.001              |
| 10172700                              | Vernon Creek near Vernon, UT                                 | 1974                 | 1991   | 18    | .55   | au          | 2   | 151               | 9.75   | .45                           | n/a                |
| 10172800                              | South Willow Creek near Grantsville, UT                      | 1976                 | 1991   | 16    | .55   | au          | 1   | 128               | 15.57  | .50                           | <.001              |
| 10172805                              | North Willow Creek near Grantsville, UT                      | 1980                 | 1991   | 12    | .55   | au          | 1   | 79                | 13.48  | .52                           | <.001              |
| 10172870                              | Trout Creek near Callao, UT                                  | 1974                 | 1991   | 18    | .63   | au          | 2   | 146               | 52.94  | .35                           | n/a                |
| 10172952                              | Dunn Creek near Park Valley, UT                              | 1978                 | 1991   | 14    | .63   | au          | 1   | 70                | 20.41  | .49                           | <.001              |
| 10173450                              | Mammoth Creek above West Hatch Ditch, near Hatch, UT         | 1974                 | 1991   | 18    | .63   | au          | 1   | 127               | 10.72  | .48                           | <.001              |
| 10174500                              | Sevier River at Hatch, UT                                    | 1974                 | 1991   | 18    | .63   | au          | 1   | 143               | 14.89  | .26                           | <.001              |
| 10176300                              | Panguitch Creek near Panguitch, UT                           | 1974                 | 1980   | 7     | .63   | au          | 1   | 56                | 16.37  | .23                           | .007               |
| 10180000                              | Sevier River near Circleville, UT                            | 1974                 | 1991   | 18    | .63   | au          | 1   | 161               | 11.13  | .49                           | <.001              |
| 10183500                              | Sevier River near Kingston, UT                               | 1974                 | 1991   | 18    | .63   | au          | 1   | 136               | 14.31  | .43                           | <.001              |
| 10187300                              | Otter Creek near Koosharem, UT                               | 1974                 | 1982   | 9     | .63   | au          | 1   | 70                | 13.53  | .43                           | <.001              |
| 10191500                              | Sevier River below Piute Dam, near Marysvale, UT             | 1974                 | 1991   | 18    | .63   | ss          | 1   | 138               | 7.93   | .38                           | <.001              |
| 10208500                              | Oak Creek near Fairview, UT                                  | 1974                 | 1983   | 10    | .63   | au          | 2   | 86                | 8.09   | .84                           | n/a                |
| 10219000                              | Sevier River near Juab, UT                                   | 1974                 | 1991   | 18    | .61   | hu          | 2   | 126               | 8.69   | .71                           | n/a                |
| 10219200                              | Chicken Creek near Levan, UT                                 | 1974                 | 1991   | 18    | .61   | hu          | 1   | 142               | 20.51  | .43                           | <.001              |
| 10224000                              | Sevier River near Lynndyl, UT                                | 1974                 | 1994   | 21    | .61   | ss          | 1   | 205               | 23.85  | .49                           | <.001              |

See footnotes at end of table.

## 2-12 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                               |                    |
|---------------------------------------|--|----------------------|--------|-------|---|-------------|---|-------------------|--|-------------------------------|--------------------|
| USGS site identifier                  | Site name  | Beginning            | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concentration model                           | Number of samples | Residual error, as a percent of median daily concentration | Multiple R <sup>2</sup> value | p-value for F-test |
|                                       |  |                      |        |       |   |             |   |                   |  |                               |                    |
| 10241470                              | Center Creek above Parowan Creek, near Parowan, UT               | 1974                 | 1983   | 10    | .63   | au          | 1   | 89                | 10.36  | .64                           | <.001              |
| 10242000                              | Coal Creek near Cedar City, UT                                   | 1974                 | 1991   | 18    | .63   | au          | 1   | 129               | 10.52  | .84                           | <.001              |
| 10244950                              | Steptoe Creek near Ely, NV                                       | 1974                 | 1996   | 23    | .57   | ss          | 1   | 151               | 6.1  | .44                           | <.001              |
| 10249300                              | South Twin River near Round Mountain, NV                         | 1974                 | 1996   | 23    | .71   | ss          | 1   | 144               | 8.84   | .50                           | <.001              |
| 10249900                              | Chiatovich Creek near Dyer, NV                                   | 1975                 | 1982   | 8     | .82   | ss          | 1   | 80                | 5.33   | .42                           | <.001              |
| 10254670                              | Alamo River at drop 3, near Calipatria, CA                       | 1980                 | 1994   | 15    | .66   | ss          | 1   | 74                | 10.24  | .60                           | <.001              |
| 10254970                              | New River at International Boundary, at Calexico, CA             | 1980                 | 1989   | 10    | .62   | ss          | 1   | 51                | 10.13  | .55                           | <.001              |
| 10256500                              | Snow Creek near White Water, CA                                  | 1975                 | 2002   | 28    | .73   | ss          | 1   | 41                | 7.36   | .73                           | <.001              |
| 10261500                              | Mojave River at Lower Narrows, near Victorville, CA              | 1974                 | 1982   | 9     | .61   | ss          | 1   | 112               | 10.09  | .84                           | <.001              |
| 10265150                              | Hot Creek at Flume, near Mammoth Lakes, CA                       | 1983                 | 2002   | 20    | .66   | ss          | 1   | 214               | 6.02   | .94                           | <.001              |
| 10277400                              | Owens River below Tinemaha Reservoir, near Big Pine, CA          | 1975                 | 1984   | 10    | .64   | ss          | 2   | 723               | 7.25   | .81                           | n/a                |
| 10293000                              | East Walker River near Bridgeport, CA                            | 1974                 | 1985   | 12    | .67   | ss          | 1   | 84                | 23.73  | .62                           | <.001              |
| 10296500                              | West Walker River near Coleville, CA                             | 1977                 | 1984   | 8     | .62   | hu          | 1   | 76                | 16.04  | .90                           | <.001              |
| 10297500                              | West Walker River at Hoye Bridge, near Wellington, CA            | 1977                 | 1995   | 19    | .57   | ss          | 1   | 62                | 11.98  | .91                           | <.001              |
| 10301500                              | Walker River near Wabuska, NV                                    | 1974                 | 1995   | 22    | .62   | ss          | 1   | 177               | 17.1   | .77                           | <.001              |
| 10309000                              | East Fork Carson River near Gardnerville, NV                     | 1978                 | 1984   | 7     | .70   | ss          | 1   | 70                | 15.93  | .88                           | <.001              |
| 10310000                              | West Fork Carson River at Woodfords, CA                          | 1974                 | 1984   | 11    | .82   | ss          | 1   | 111               | 10.36  | .80                           | <.001              |
| 10311000                              | Carson River near Carson City, NV                                | 1977                 | 1984   | 8     | .67   | ss          | 1   | 99                | 17.52  | .91                           | <.001              |
| 10311100                              | Kings Canyon Creek near Carson City, NV                          | 1977                 | 1984   | 8     | .74   | hu          | 2   | 75                | 18.92  | .91                           | n/a                |
| 10311200                              | Ash Canyon Creek near Carson City, NV                            | 1977                 | 1984   | 8     | .74   | hu          | 1   | 70                | 7.77   | .75                           | <.001              |
| 10312000 <sup>11</sup>                | Carson River near Fort Churchill, NV                             | 1974                 | 1995   | 22    | .66   | ss          | 1*  | 122               | 12.97  | .94                           | <.001              |
| 10312150                              | Carson River below Lahontan Reservoir, near Fallon, NV           | 1977                 | 2003   | 27    | .64   | ss          | 2   | 172               | 28.97  | .61                           | n/a                |
| 10321000                              | Humboldt River near Carlin, NV                                   | 1977                 | 1998   | 22    | .63   | ss          | 1   | 127               | 11.6   | .58                           | <.001              |
| 10322500                              | Humboldt River at Palisade, NV                                   | 1977                 | 1984   | 8     | .63   | hu          | 1   | 48                | 9.37   | .78                           | <.001              |
| 10324500                              | Rock Creek near Battle Mountain, NV                              | 1977                 | 1984   | 8     | .68   | au          | 1   | 46                | 16.58  | .65                           | <.001              |
| 10335000                              | Humboldt River near Rye Patch, NV                                | 1974                 | 1986   | 13    | .61   | ss          | 2   | 121               | 7.79   | .90                           | n/a                |
| 10336580                              | Upper Truckee River at South Upper Truckee Road, near Meyers, CA | 1991                 | 2003   | 13    | .68   | hu          | 1   | 356               | 10.49  | .93                           | <.001              |
| 10336610                              | Upper Truckee River at South Lake Tahoe, CA                      | 1992                 | 2003   | 12    | .68   | hu          | 1   | 302               | 23.09  | .80                           | <.001              |
| 10336645                              | General Creek near Meeks Bay, CA                                 | 1993                 | 2003   | 11    | .68   | hu          | 1   | 342               | 19.04  | .91                           | <.001              |
| 10336676                              | Ward Creek at Highway 89, near Tahoe Pines, CA                   | 1993                 | 2003   | 11    | .68   | hu          | 1   | 372               | 12.36  | .85                           | <.001              |
| 10336698                              | Third Creek near Crystal Bay, NV                                 | 1988                 | 2003   | 16    | .68   | hu          | 2   | 619               | 23.99  | .73                           | n/a                |
| 10336700                              | Incline Creek near Crystal Bay, NV                               | 1988                 | 2003   | 16    | .68   | hu          | 2   | 600               | 18.63  | .72                           | n/a                |

See footnotes at end of table.

**Appendix 2.** Data compilation information for 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Water years analyzed |        |       | Ratio of dissolved-solids concentration to specific conductance |             | Regression statistics for daily concentration model |                   |  |                    |       |
|---------------------------------------|---|----------------------|--------|-------|---|-------------|---|-------------------|--|--------------------|-------|
| USGS site identifier                  | Site name   | Beginning            | Ending | Total | Value, mg/L per $\mu$ S/cm                                      | Data source | Daily concentration model                           | Number of samples | Residual error, as a percent of median daily concentration |                    |       |
|                                       |   |                      |        |       |   |             |   |                   | Multiple R <sup>2</sup> value                              | p-value for F-test |       |
| 10336775                              | Trout Creek at Pioneer Trail, near South Lake Tahoe, CA     | 1991                 | 2003   | 13    | 0.68  | hu          | 1   | 346               | 13.35  | 0.80               | <.001 |
| 10343500                              | Sagehen Creek near Truckee, CA                              | 1986                 | 2002   | 17    | .78   | ss          | 1   | 124               | 5.25   | .96                | <.001 |
| 10346000                              | Truckee River at Farad, CA                                  | 1974                 | 1984   | 11    | .68   | ss          | 1   | 152               | 13.19  | .63                | <.001 |
| 10351700                              | Truckee River near Nixon, NV                                | 1974                 | 1994   | 21    | .60   | ss          | 1   | 150               | 17.93  | .93                | <.001 |
| 10352500                              | McDermitt Creek near McDermitt, NV                          | 1975                 | 1984   | 10    | .65   | ss          | 1   | 82                | 14.84  | .65                | <.001 |
| 11042000                              | San Luis Rey River at Oceanside, CA                         | 1978                 | 1992   | 15    | .64   | ss          | 1   | 99                | 15.63  | .82                | <.001 |
| 11066460                              | Santa Ana River at Metropolitan Water District Crossing, CA | 1974                 | 2002   | 29    | .63   | ss          | 1   | 754               | 13.02  | .81                | <.001 |
| 11074000                              | Santa Ana River below Prado Dam, CA                         | 1974                 | 2002   | 29    | .62   | ss          | 2   | 1071              | 20.6   | .44                | n/a   |
| 11103000                              | Los Angeles River at Long Beach, CA                         | 1974                 | 1983   | 10    | .63   | ss          | 1   | 442               | 34.09  | .73                | <.001 |
| 11108500                              | Santa Clara River at Los Angeles-Ventura County Line, CA    | 1974                 | 1988   | 15    | .76   | ss          | 1   | 108               | 11.45  | .71                | <.001 |

<sup>1</sup>Downvalley discharge occurs in multiple channels. Most of the discharge occurs in the floodway, and consequently this site had the most water quality samples. Daily concentrations for floodway were determined using model 2. Daily concentrations at the other sites were determined by multiplying these daily concentrations by the ratio of average sample concentrations of the floodway to average concentrations at other sites (conveyance channel and Bernardo interior drain). Daily loads were determined for each of the three sites on the basis of the daily concentration and discharge data. Daily downvalley total discharge, total load, and flow-weighted concentrations (load divided by discharge) were determined on the daily series of data for the three sites. Daily and annual statistics were determined for the the downvalley data series, as well as trends in concentration and load.

<sup>2</sup>Data were compiled using methods similar to those described for 08332010, with the exception that the minor channels with flow were the conveyance channel and the Socorro Main Canal North.

<sup>3</sup>Data were compiled using methods similar to those described for 08332010, with the exception that there is only one minor channel with flow, the conveyance channel.

<sup>4</sup>Discharge data was provided by International Boundary and Water Commission.

<sup>5</sup>Used sample data from 09427520.

<sup>6</sup>Used discharge data from 09426620.

<sup>7</sup>Used sample data from 09427520.

<sup>8</sup>Used discharge data from 09444500.

<sup>9</sup>Used discharge data from 09504430.

<sup>10</sup>Used sample data from 09429490.

<sup>11</sup>Calibrated regression using samples collected at discharges greater than 10 ft<sup>3</sup>/s.

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**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States.

[Daily concentrations computed using statistical analysis of periodic water-chemistry samples; minimum and maximum daily concentrations reported here may have large uncertainties where they are higher and lower than highest and lowest concentration observed in sample data. Period for summary statistics varies by site and is listed in appendix 2. n/a, concentration value not available because of no flow conditions; n/c, not computed because site is on a canal or river in which discharge is a diversion or is mostly from irrigation returns flows; AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1]

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 08217500                              | Rio Grande at Wagon Wheel Gap, CO                   | 72.0                                   | 130             | 289    | 634   | 781             | 4,970   | 31.3   | 46.3            | 58.3   | 59.5 | 74.5            | 87.3    | 16.9                                      | 26.3            | 45.4   | 76.4 | 97.4            | 441     |
| 08251500                              | Rio Grande near Lobatos, CO                         | 4.11                                   | 118             | 280    | 486   | 496             | 6,660   | 95.0   | 161             | 185    | 202  | 230             | 505     | 5.56                                      | 72.2            | 139    | 198  | 226             | 1,820   |
| 08263500                              | Rio Grande near Cerro, NM                           | 62.0                                   | 211             | 393    | 790   | 867             | 6,370   | 80.6   | 143             | 167    | 182  | 211             | 486     | 38.6                                      | 113             | 178    | 317  | 386             | 2,550   |
| 08265000                              | Red River near Questa, NM                           | 2.51                                   | 14.0            | 23.0   | 55.7  | 55.0            | 557     | 77.1   | 146             | 177    | 170  | 195             | 260     | 1.74                                      | 7.13            | 11.5   | 19.6 | 22.5            | 116     |
| 08266820                              | Red River below Fish Hatchery, near Questa, NM      | 26.0                                   | 42.5            | 52.0   | 91.5  | 88.0            | 676     | 94.4   | 194             | 250    | 242  | 296             | 378     | 20.0                                      | 32.2            | 35.9   | 47.1 | 49.6            | 175     |
| 08267500                              | Rio Hondo near Valdez, NM                           | 3.41                                   | 12.0            | 19.0   | 35.5  | 37.0            | 403     | 55.6   | 82.1            | 93.0   | 92.1 | 103             | 137     | 1.26                                      | 3.39            | 4.67   | 7.54 | 8.26            | 60.4    |
| 08276300                              | Rio Pueblo De Taos below Los Cordovas, NM           | 5.11                                   | 27.0            | 42.0   | 81.6  | 66.0            | 1,940   | 93.6   | 249             | 303    | 293  | 342             | 483     | 6.07                                      | 24.1            | 33.9   | 45.5 | 46.3            | 490     |
| 08276500                              | Rio Grande below Taos Junction Bridge near Taos, NM | 158                                    | 341             | 515    | 809   | 800             | 8,120   | 100  | 172             | 191    | 189  | 209             | 247     | 92.8                                      | 188             | 269    | 357  | 381             | 2,440   |
| 08279000                              | Embudo Creek at Dixon, NM                           | 4.01                                   | 28.0            | 39.0   | 96.4  | 77.0            | 2,300   | 83.3   | 170             | 204    | 196  | 222             | 321     | 3.33                                      | 16.7            | 21.8   | 37.7 | 36.4            | 517     |
| 08284100                              | Rio Chama near La Puente, NM                        | 2.41                                   | 53.0            | 87.0   | 360   | 280             | 5,090   | 48.9   | 96.5            | 127    | 122  | 143             | 294     | 1.91                                      | 20.4            | 29.8   | 73.1 | 72.9            | 671     |
| 08286500                              | Rio Chama above Abiquiu Reservoir, NM               | 20.0                                   | 85.0            | 221    | 575   | 698             | 6,480   | 143  | 214             | 266    | 293  | 349             | 633     | 25.1                                      | 75.0            | 159    | 326  | 407             | 2,500   |
| 08287000                              | Rio Chama below Abiquiu Dam, NM                     | 13.0                                   | 91.0            | 265    | 572   | 883             | 2,660   | 110  | 203             | 269    | 300  | 346             | 892     | 8.28                                      | 76.6            | 193    | 418  | 560             | 3,820   |
| 08290000                              | Rio Chama near Chamita, NM                          | 17.0                                   | 134             | 373    | 617   | 828             | 3,570   | 155  | 200             | 236    | 248  | 291             | 469     | 17.8                                      | 104             | 228    | 338  | 456             | 1,570   |
| 08313000                              | Rio Grande at Otowi Bridge, NM                      | 195                                    | 720             | 1,020  | 1,560 | 1,590           | 12,000  | 175  | 192             | 204    | 210  | 224             | 291     | 131                                       | 403             | 575    | 855  | 889             | 6,390   |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 08317200                              | Santa Fe River above Cochiti Lake, NM                 | 1.11                                   | 6.41            | 9.01   | 13.0  | 12.0            | 1,000   | 65.7   | 322             | 356    | 349   | 392             | 573     | 1.64                                      | 6.28            | 8.74   | 9.66  | 11.2            | 177     |
| 08319000                              | Rio Grande at San Felipe, NM                          | 67.0                                   | 705             | 998    | 1,530 | 1,620           | 8,100   | 153  | 203             | 219    | 216   | 233             | 330     | 59.6                                      | 444             | 587    | 802   | 890             | 3,370   |
| 08324000                              | Jemez River near Jemez, NM                            | 2.11                                   | 27.0            | 37.0   | 85.3  | 73.0            | 1,480   | 62.5   | 238             | 322    | 304   | 369             | 1,140   | 6.47                                      | 27.2            | 32.4   | 44.0  | 47.1            | 250     |
| 08329000                              | Jemez River below Jemez Canyon Dam, NM                | 0                                      | 2.21            | 22.0   | 78.3  | 63.0            | 1,600   | n/a  | 488             | 778    | 845   | 1,030           | 3,270   | 0   | 5.76            | 45.8   | 89.0  | 101             | 1,380   |
| 08330000                              | Rio Grande at Albuquerque, NM                         | 3.61                                   | 585             | 887    | 1,430 | 1,610           | 8,650   | 175  | 216             | 242    | 243   | 272             | 318     | 3.03                                      | 391             | 585    | 906   | 1,010           | 5,360   |
| 08332010                              | Rio Grande floodway near Bernardo, NM                 | 24.0                                   | 387             | 818    | 1,280 | 1,560           | 9,080   | 235  | 298             | 343    | 376   | 407             | 825     | 49.6                                      | 413             | 725    | 1,080 | 1,310           | 7,300   |
| 08353000                              | Rio Puerco near Bernardo, NM                          | 0                                      | 0               | 0      | 28.8  | 8.14            | 1,940   | n/a  | n/a             | n/a    | 2,070 | 2,400           | 2,780   | 0   | 0               | 0      | 103   | 37.6            | 5,510   |
| 08354000                              | Rio Salado near San Acacia, NM                        | 0                                      | 0               | 0      | 8.14  | 0               | 2,900   | n/a  | n/a             | n/a    | 3,640 | n/a             | 6,270   | 0   | 0               | 0      | 14.9  | 0               | 3,560   |
| 08354900                              | Rio Grande floodway at San Acacia, NM                 | 0.96                                   | 533             | 983    | 1,440 | 1,770           | 10,800  | 256  | 335             | 387    | 408   | 463             | 754     | 0.99                                      | 557             | 1,060  | 1,520 | 1,960           | 10,400  |
| 08358400                              | Rio Grande floodway at San Marcial, NM                | 0                                      | 385             | 840    | 1,240 | 1,510           | 8,600   | n/a  | 381             | 438    | 459   | 505             | 909     | 0   | 507             | 968    | 1,340 | 1,700           | 7,860   |
| 08364000                              | Rio Grande at El Paso, TX                             | 12.7                                   | 171             | 569    | 623   | 908             | 3,880   | 368  | 614             | 730    | 900   | 1,190           | 2,660   | 88.5                                      | 545             | 1,100  | 1,100 | 1,510           | 3,920   |
| 08477110                              | Mimbres River at Mimbres, NM                          | 0.28                                   | 4.61            | 8.21   | 20.5  | 16.0            | 2,500   | 92.6   | 170             | 187    | 185   | 199             | 290     | 0.22                                      | 2.46            | 4.13   | 8.25  | 7.60            | 625     |
| 08481500                              | Tularosa Creek near Bent, NM                          | 3.41                                   | 12.0            | 16.0   | 17.3  | 22.0            | 631     | 851  | 953             | 980    | 999   | 1,040           | 1,200   | 10.4                                      | 34.7            | 42.4   | 45.8  | 55.4            | 1,480   |
| 09010500                              | Colorado River below Baker Gulch, near Grand Lake, CO | 3.01                                   | 9.81            | 18.0   | 64.4  | 49.0            | 800     | 24.5   | 37.3            | 43.1   | 41.6  | 46.9            | 57.0    | 0.46                                      | 1.24            | 2.08   | 5.53  | 4.93            | 55.1    |
| 09022000                              | Fraser River at upper station, near Winter Park, CO   | 1.21                                   | 2.51            | 4.61   | 13.7  | 12.0            | 220     | 27.0   | 43.1            | 52.8   | 59.1  | 74.2            | 115     | 0.26                                      | 0.47            | 0.70   | 1.60  | 1.67            | 19.1    |
| 09024000                              | Fraser River at Winter Park, CO                       | 2.11                                   | 5.01            | 8.11   | 21.2  | 16.0            | 440     | 17.2   | 49.4            | 64.3   | 65.7  | 81.3            | 118     | 0.41                                      | 1.04            | 1.49   | 2.49  | 2.32            | 27.0    |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                  |        |      |                  |          | Daily dissolved-solids concentration, milligrams per liter |                  |        |      |                  |          | Daily dissolved-solids load, tons per day |                  |        |      |                  |          |
|---------------------------------------|--|--|------------------|--------|------|------------------|----------|--|------------------|--------|------|------------------|----------|---|------------------|--------|------|------------------|----------|
| USGS site identifier                  | Site name  | Mini-mum                               | 25th percen-tile | Median | Mean | 75th percen-tile | Maxi-mum | Mini-mum   | 25th percen-tile | Median | Mean | 75th percen-tile | Maxi-mum | Mini-mum                                  | 25th percen-tile | Median | Mean | 75th percen-tile | Maxi-mum |
| 09025000                              | Vasquez Creek at Winter Park, CO                 | 1.21                                   | 4.71             | 7.41   | 15.5 | 10.0             | 293      | 18.0   | 28.5             | 30.8   | 30.8 | 33.5             | 42.5     | 0.12                                      | 0.40             | 0.62   | 1.05 | 0.84             | 14.4     |
| 09025400                              | Elk Creek near Fraser, CO                        | 0.20                                   | 0.42             | 0.75   | 3.09 | 2.01             | 95.0     | 19.7   | 29.2             | 32.8   | 32.5 | 36.3             | 43.2     | 0.02                                      | 0.04             | 0.07   | 0.21 | 0.16             | 5.23     |
| 09026500                              | St. Louis Creek near Fraser, CO                  | 2.21                                   | 6.11             | 8.31   | 21.9 | 17.0             | 418      | 34.1   | 48.3             | 50.6   | 50.3 | 53.2             | 61.4     | 0.35                                      | 0.86             | 1.17   | 2.61 | 2.28             | 38.8     |
| 09032000                              | Ranch Creek near Fraser, CO                      | 0.41                                   | 2.61             | 3.61   | 12.5 | 5.81             | 402      | 15.0   | 27.4             | 30.5   | 30.1 | 33.7             | 40.7     | 0.04                                      | 0.23             | 0.30   | 0.74 | 0.44             | 16.3     |
| 09032100                              | Cabin Creek near Fraser, CO                      | 0.05                                   | 1.31             | 2.21   | 6.04 | 4.71             | 112      | 15.4   | 22.7             | 26.1   | 25.6 | 28.5             | 36.0     | 0   | 0.10             | 0.16   | 0.34 | 0.31             | 4.75     |
| 09034250                              | Colorado River at Windy Gap, near Granby, CO     | 29.0                                   | 80.0             | 108    | 257  | 225              | 4,930    | 42.2   | 74.1             | 80.6   | 78.4 | 85.2             | 106      | 8.28                                      | 18.3             | 23.9   | 45.1 | 45.9             | 572      |
| 09034500                              | Colorado River at Hot Sulphur Springs, CO        | 41.0                                   | 75.0             | 101    | 239  | 229              | 5,310    | 48.7   | 81.2             | 88.2   | 85.2 | 91.1             | 105      | 11.2                                      | 18.4             | 24.4   | 47.1 | 50.1             | 698      |
| 09034900                              | Bobtail Creek near Jones PaSA, CO                | 0.48                                   | 0.99             | 2.21   | 10.8 | 8.11             | 136      | 17.2   | 32.2             | 39.1   | 36.2 | 41.8             | 51.6     | 0.06                                      | 0.11             | 0.24   | 0.72 | 0.73             | 6.60     |
| 09035500                              | Williams Fork below Steelman Creek, CO           | 0.30                                   | 1.31             | 3.71   | 21.8 | 13.0             | 395      | 20.0   | 33.0             | 39.6   | 39.1 | 46.1             | 57.2     | 0.05                                      | 0.16             | 0.40   | 1.52 | 1.16             | 21.3     |
| 09035700                              | Williams Fork above Darling Creek, near Leal, CO | 3.51                                   | 7.81             | 13.0   | 42.1 | 32.0             | 555      | 19.9   | 32.5             | 38.0   | 36.5 | 40.9             | 49.8     | 0.43                                      | 0.86             | 1.31   | 3.15 | 2.83             | 31.4     |
| 09035800                              | Darling Creek near Leal, CO                      | 1.31                                   | 2.51             | 3.71   | 9.83 | 7.91             | 136      | 21.9   | 38.5             | 44.1   | 42.4 | 47.9             | 54.3     | 0.18                                      | 0.31             | 0.44   | 0.89 | 0.82             | 8.02     |
| 09035900                              | South Fork of Williams Fork near Leal, CO        | 5.41                                   | 8.91             | 13.0   | 34.2 | 27.0             | 404      | 24.5   | 42.9             | 50.8   | 48.1 | 55.0             | 64.0     | 0.88                                      | 1.32             | 1.77   | 3.38 | 3.23             | 26.9     |
| 09036000                              | Williams Fork near Leal, CO                      | 12.0                                   | 22.0             | 36.0   | 104  | 84.0             | 1,320    | 23.8   | 40.8             | 46.8   | 45.1 | 51.2             | 64.2     | 2.04                                      | 3.09             | 4.49   | 9.66 | 9.17             | 89.0     |
| 09037500                              | Williams Fork near Parshall, CO                  | 9.31                                   | 34.0             | 45.0   | 114  | 82.0             | 1,700    | 34.3   | 59.8             | 68.8   | 65.5 | 72.9             | 90.5     | 2.16                                      | 6.71             | 8.31   | 15.6 | 13.4             | 163      |
| 09038500                              | Williams Fork below Williams Fork Reservoir, CO  | 4.71                                   | 77.0             | 111    | 136  | 175              | 1,160    | 55.7   | 64.6             | 72.2   | 72.3 | 79.0             | 98.4     | 1.24                                      | 15.4             | 22.7   | 25.0 | 31.7             | 179      |
| 09039000                              | Troublesome Creek near Pearmont, CO              | 5.31                                   | 12.0             | 14.0   | 29.6 | 26.0             | 440      | 40.6   | 53.3             | 55.9   | 55.6 | 58.5             | 64.8     | 0.87                                      | 1.74             | 2.14   | 4.11 | 3.91             | 48.2     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|--|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 09041500                              | Muddy Creek at Kremmling, CO                           | 0.62                                   | 11.0            | 23.0   | 88.2  | 68.0            | 1,590   | 186  | 447             | 612    | 615  | 756             | 2,060   | 3.45                                      | 21.5            | 38.7   | 80.2 | 86.7            | 836     |
| 09046490                              | Blue River at Blue River, CO                           | 1.51                                   | 7.01            | 14.0   | 33.6  | 35.0            | 578     | 44.0   | 67.4            | 78.7   | 81.4 | 93.7            | 141     | 0.56                                      | 1.64            | 3.10   | 6.38 | 6.74            | 91.7    |
| 09046600                              | Blue River near Dillon, CO                             | 16.0                                   | 29.0            | 48.0   | 100   | 101             | 1,160   | 57.7   | 73.4            | 81.7   | 85.2 | 93.9            | 142     | 3.94                                      | 6.93            | 10.8   | 20.8 | 22.0            | 187     |
| 09047500                              | Snake River near Montezuma, CO                         | 6.41                                   | 15.0            | 24.0   | 66.6  | 64.0            | 870     | 29.7   | 51.4            | 60.6   | 62.2 | 72.0            | 104     | 1.35                                      | 2.72            | 4.14   | 8.93 | 9.61            | 80.7    |
| 09047700                              | Keystone Gulch near Dillon, CO                         | 0.87                                   | 2.61            | 3.41   | 6.95  | 5.91            | 153     | 30.8   | 40.3            | 43.0   | 44.4 | 47.2            | 68.0    | 0.16                                      | 0.32            | 0.41   | 0.77 | 0.71            | 13.0    |
| 09050100                              | Tennile Creek below North Tennile Creek, at Frisco, CO | 5.31                                   | 23.0            | 35.0   | 108   | 90.0            | 1,300   | 79.8   | 260             | 364    | 375  | 489             | 689     | 9.81                                      | 28.4            | 39.1   | 73.2 | 73.3            | 623     |
| 09050700                              | Blue River below Dillon, CO                            | 9.41                                   | 82.0            | 104    | 228   | 208             | 1,940   | 88.1   | 127             | 140    | 142  | 157             | 194     | 4.04                                      | 33.1            | 41.3   | 78.7 | 73.0            | 591     |
| 09051050                              | Straight Creek below Laskey Gulch near Dillon, CO      | 1.31                                   | 4.01            | 6.41   | 14.6  | 13.0            | 226     | 38.1   | 65.8            | 87.9   | 99.7 | 127             | 241     | 0.55                                      | 1.27            | 1.64   | 2.83 | 2.85            | 24.9    |
| 09052000                              | Rock Creek near Dillon, CO                             | 1.51                                   | 4.91            | 8.01   | 21.7  | 24.0            | 181     | 21.3   | 29.0            | 31.3   | 31.2 | 33.9            | 44.2    | 0.18                                      | 0.43            | 0.68   | 1.59 | 1.99            | 10.5    |
| 09052400                              | Boulder Creek at upper station, near Dillon, CO        | 1.31                                   | 2.71            | 5.01   | 17.5  | 18.0            | 181     | 21.5   | 27.3            | 31.1   | 30.1 | 33.1            | 35.7    | 0.13                                      | 0.24            | 0.42   | 1.20 | 1.32            | 10.5    |
| 09052800                              | Slate Creek at upper station, near Dillon, CO          | 1.41                                   | 3.81            | 7.41   | 25.9  | 31.0            | 279     | 21.1   | 27.0            | 31.2   | 32.6 | 38.7            | 44.0    | 0.17                                      | 0.38            | 0.63   | 1.85 | 2.22            | 16.0    |
| 09054000                              | Black Creek below Black Lake, near Dillon, CO          | 1.51                                   | 3.31            | 8.01   | 31.2  | 41.0            | 260     | 11.2   | 20.1            | 24.1   | 24.5 | 28.7            | 36.7    | 0.10                                      | 0.24            | 0.49   | 2.02 | 2.54            | 18.6    |
| 09055300                              | Cataract Creek near Kremmling, CO                      | 0.52                                   | 1.51            | 3.31   | 19.9  | 18.0            | 269     | 20.2   | 25.8            | 28.5   | 29.5 | 33.3            | 40.4    | 0.04                                      | 0.13            | 0.25   | 1.40 | 1.29            | 18.0    |
| 09057500                              | Blue River below Green Mountain Reservoir, CO          | 1.01                                   | 202             | 369    | 445   | 531             | 4,010   | 80.8   | 98.5            | 108    | 109  | 119             | 144     | 0.28                                      | 61.9            | 99.5   | 127  | 154             | 1,190   |
| 09058000                              | Colorado River near Kremmling, CO                      | 200                                    | 550             | 765    | 1,050 | 1,050           | 12,700  | 91.0   | 128             | 139    | 142  | 153             | 224     | 100                                       | 213             | 288    | 375  | 400             | 3,120   |



**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|--|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name                                      | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 09058500                              | Piney River below Piney Lake, near Minturn, CO | 1.01                                   | 3.01            | 5.81   | 26.1 | 21.0            | 422     | 15.6   | 26.0            | 32.2   | 33.5 | 41.0            | 60.4    | 0.15                                      | 0.33            | 0.51   | 1.63 | 1.56            | 19.0    |
| 09058610                              | Dickson Creek near Vail, CO                    | 0                                      | 0.89            | 1.21   | 2.81 | 2.31            | 48.0    | n/a  | 198             | 227    | 224  | 244             | 462     | 0   | 0.57            | 0.74   | 1.36 | 1.30            | 17.1    |
| 09058700                              | Freeman Creek near Minturn, CO                 | 0                                      | 0.13            | 0.22   | 1.45 | 0.65            | 63.0    | n/a  | 108             | 120    | 120  | 134             | 211     | 0   | 0.04            | 0.07   | 0.31 | 0.21            | 8.86    |
| 09058800                              | East Meadow Creek near Minturn, CO             | 0.34                                   | 0.80            | 1.11   | 4.28 | 2.81            | 75.0    | 17.3   | 37.1            | 44.5   | 44.1 | 51.2            | 78.7    | 0.05                                      | 0.11            | 0.14   | 0.35 | 0.30            | 3.50    |
| 09059500                              | Piney River near state bridge, CO              | 5.81                                   | 15.0            | 22.0   | 77.6 | 62.0            | 1,300   | 61.4   | 135             | 190    | 181  | 229             | 288     | 3.84                                      | 8.85            | 11.5   | 23.2 | 22.5            | 217     |
| 09060550                              | Rock Creek at Crater, CO                       | 1.21                                   | 7.01            | 11.0   | 32.9 | 20.0            | 499     | 35.3   | 76.0            | 91.0   | 87.0 | 98.0            | 135     | 0.44                                      | 1.80            | 2.56   | 5.06 | 4.21            | 47.5    |
| 09060770                              | Rock Creek at McCoy, CO                        | 1.51                                   | 17.0            | 26.0   | 65.6 | 49.8            | 1,270   | 94.0   | 198             | 225    | 220  | 250             | 445     | 1.69                                      | 11.0            | 16.6   | 28.2 | 26.8            | 347     |
| 09063000                              | Eagle River at Red Cliff, CO                   | 2.31                                   | 11.0            | 14.0   | 40.7 | 32.0            | 696     | 62.9   | 108             | 121    | 116  | 127             | 166     | 1.04                                      | 3.68            | 4.74   | 10.2 | 9.28            | 118     |
| 09063200                              | Wearyman Creek near Red Cliff, CO              | 0.73                                   | 1.61            | 2.41   | 8.39 | 6.41            | 115     | 109  | 160             | 170    | 167  | 178             | 204     | 0.37                                      | 0.75            | 1.12   | 3.20 | 2.83            | 36.1    |
| 09063400                              | Turkey Creek near Red Cliff, CO                | 1.51                                   | 3.81            | 6.01   | 22.6 | 17.0            | 409     | 106  | 152             | 169    | 164  | 178             | 198     | 0.78                                      | 1.84            | 2.74   | 8.19 | 6.86            | 117     |
| 09063900                              | Missouri Creek near Gold Park, CO              | 0.27                                   | 1.11            | 2.61   | 8.02 | 8.11            | 172     | 12.4   | 17.6            | 21.8   | 21.8 | 25.5            | 34.9    | 0.02                                      | 0.08            | 0.16   | 0.36 | 0.39            | 6.61    |
| 09064000                              | Homestake Creek at Gold Park, CO               | 2.31                                   | 7.21            | 12.0   | 30.0 | 30.0            | 602     | 12.2   | 19.1            | 21.7   | 21.5 | 24.2            | 27.8    | 0.17                                      | 0.45            | 0.75   | 1.44 | 1.57            | 23.5    |
| 09064500                              | Homestake Creek near Red Cliff, CO             | 1.41                                   | 9.71            | 18.0   | 45.9 | 47.0            | 831     | 16.1   | 21.0            | 24.5   | 24.2 | 27.1            | 33.0    | 0.11                                      | 0.69            | 1.24   | 2.55 | 2.70            | 42.7    |
| 09064600                              | Eagle River near Minturn, CO                   | 11.0                                   | 31.0            | 46.0   | 126  | 115             | 1,540   | 47.9   | 81.5            | 102    | 103  | 121             | 186     | 4.49                                      | 10.1            | 13.1   | 25.5 | 26.2            | 201     |
| 09065100                              | Cross Creek near Minturn, CO                   | 0.76                                   | 5.01            | 13.0   | 52.5 | 51.0            | 568     | 13.0   | 22.4            | 30.1   | 30.6 | 38.9            | 61.9    | 0.13                                      | 0.53            | 1.09   | 2.72 | 3.12            | 20.3    |
| 09065500                              | Gore Creek at upper station, near Minturn, CO  | 1.51                                   | 3.81            | 8.01   | 30.2 | 24.0            | 447     | 16.1   | 29.6            | 37.3   | 36.1 | 43.0            | 55.2    | 0.20                                      | 0.44            | 0.80   | 2.04 | 1.95            | 23.5    |
| 09066000                              | Black Gore Creek near Minturn, CO              | 1.11                                   | 2.91            | 4.51   | 17.1 | 11.0            | 275     | 33.3   | 85.0            | 122    | 130  | 168             | 317     | 0.47                                      | 1.08            | 1.62   | 4.15 | 3.50            | 73.0    |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09066100                              | Bighorn Creek near Minturn, CO                          | 0.41                                   | 1.11            | 2.61   | 10.3  | 8.91            | 171     | 18.7   | 31.1            | 38.0   | 37.0 | 43.9            | 51.0    | 0.05                                      | 0.14            | 0.27   | 0.75  | 0.75            | 9.48    |
| 09066150                              | Pitkin Creek near Minturn, CO                           | 0.41                                   | 1.81            | 3.61   | 11.9  | 9.91            | 303     | 21.6   | 38.3            | 46.9   | 47.2 | 56.9            | 79.5    | 0.09                                      | 0.27            | 0.45   | 1.06  | 1.04            | 18.0    |
| 09066200                              | Booth Creek near Minturn, CO                            | 0.48                                   | 1.21            | 2.61   | 11.6  | 8.81            | 215     | 28.0   | 51.0            | 64.3   | 64.4 | 78.0            | 109     | 0.11                                      | 0.25            | 0.46   | 1.32  | 1.27            | 16.6    |
| 09066300                              | Middle Creek near Minturn, CO                           | 0                                      | 0.41            | 0.84   | 5.05  | 2.81            | 143     | n/a  | 112             | 128    | 126  | 142             | 271     | 0   | 0.15            | 0.29   | 1.20  | 0.84            | 22.6    |
| 09066310                              | Gore Creek, lower station, at Vail, CO                  | 5.91                                   | 15.0            | 26.0   | 118   | 84.8            | 1,450   | 49.9   | 111             | 159    | 160  | 212             | 308     | 4.88                                      | 8.24            | 11.6   | 26.5  | 26.1            | 203     |
| 09066400                              | Red Sandstone Creek near Minturn, CO                    | 0.41                                   | 1.21            | 1.81   | 8.89  | 5.01            | 215     | 24.7   | 48.1            | 55.9   | 52.8 | 59.2            | 70.8    | 0.08                                      | 0.19            | 0.28   | 0.88  | 0.66            | 14.3    |
| 09067000                              | Beaver Creek at Avon, CO                                | 0.56                                   | 2.71            | 4.31   | 13.0  | 11.0            | 242     | 36.4   | 113             | 164    | 169  | 227             | 348     | 0.37                                      | 1.62            | 2.10   | 3.42  | 3.55            | 25.2    |
| 09067005                              | Eagle River at Avon, CO                                 | 32.0                                   | 64.0            | 111    | 386   | 361             | 3,800   | 52.3   | 110             | 167    | 164  | 220             | 284     | 22.7                                      | 38.0            | 50.7   | 95.9  | 107             | 542     |
| 09067200                              | Lake Creek near Edwards, CO                             | 5.41                                   | 13.0            | 23.0   | 58.2  | 54.0            | 845     | 49.3   | 171             | 245    | 235  | 305             | 395     | 5.65                                      | 10.9            | 14.9   | 22.2  | 24.8            | 133     |
| 09070000                              | Eagle River below Gypsum, CO                            | 78.0                                   | 191             | 262    | 607   | 547             | 6,580   | 77.8   | 321             | 525    | 476  | 631             | 1,060   | 223                                       | 318             | 372    | 442   | 484             | 1,440   |
| 09070500                              | Colorado River near Dotsero, CO                         | 350                                    | 995             | 1,310  | 2,070 | 1,890           | 20,800  | 88.4   | 234             | 273    | 261  | 300             | 457     | 432                                       | 794             | 966    | 1,160 | 1,210           | 4,960   |
| 09071300                              | Grizzly Creek near Glenwood Springs, CO                 | 0                                      | 0.47            | 1.31   | 13.4  | 3.41            | 290     | n/a  | 150             | 162    | 167  | 179             | 234     | 0   | 0.23            | 0.56   | 4.61  | 1.39            | 91.3    |
| 09073300                              | Roaring Fork River above Difficult Creek near Aspen, CO | 7.41                                   | 17.0            | 28.0   | 77.6  | 55.0            | 1,930   | 14.6   | 35.4            | 43.4   | 41.5 | 49.4            | 61.5    | 1.21                                      | 2.20            | 3.25   | 5.74  | 5.30            | 75.9    |
| 09073400                              | Roaring Fork River near Aspen, CO                       | 14.0                                   | 32.0            | 45.0   | 110   | 84.0            | 1,900   | 16.0   | 39.8            | 49.1   | 46.6 | 55.6            | 70.8    | 2.68                                      | 4.74            | 5.99   | 9.50  | 8.97            | 82.2    |
| 09074000                              | Hunter Creek near Aspen, CO                             | 2.11                                   | 6.51            | 13.0   | 43.3  | 38.0            | 786     | 14.9   | 29.2            | 38.5   | 37.6 | 45.8            | 64.4    | 0.32                                      | 0.80            | 1.37   | 2.91  | 3.09            | 38.9    |
| 09074800                              | Castle Creek above Aspen, CO                            | 5.51                                   | 12.0            | 20.0   | 47.9  | 52.0            | 456     | 98.2   | 167             | 212    | 203  | 240             | 290     | 4.32                                      | 7.77            | 11.4   | 19.6  | 23.5            | 121     |
| 09075700                              | Maroon Creek above Aspen, CO                            | 10.0                                   | 23.0            | 35.0   | 74.2  | 80.0            | 520     | 110  | 239             | 342    | 327  | 412             | 578     | 13.9                                      | 24.6            | 33.1   | 44.9  | 52.8            | 185     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|--|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09080400                              | Fryingpan River near Ruedi, CO                             | 28.0                                   | 110             | 149    | 181   | 208             | 1,200   | 107  | 120             | 135    | 137  | 153             | 186     | 10.3                                      | 38.9            | 52.0   | 64.3  | 75.2            | 387     |
| 09081600                              | Crystal River above Avalanche Creek, near Redstone, CO     | 21.0                                   | 60.0            | 103    | 301   | 280             | 2,980   | 80.7   | 191             | 293    | 291  | 394             | 597     | 33.8                                      | 62.8            | 82.9   | 132   | 147             | 649     |
| 09085000                              | Roaring Fork River at Glenwood Springs, CO                 | 180                                    | 508             | 664    | 1,200 | 1,150           | 11,800  | 99.7   | 274             | 350    | 328  | 393             | 596     | 259                                       | 523             | 648    | 790   | 873             | 3,170   |
| 09085100                              | Colorado River below Glenwood Springs, CO                  | 870                                    | 1,690           | 2,180  | 3,620 | 3,570           | 30,200  | 101  | 332             | 454    | 435  | 546             | 855     | 1,650                                     | 2,380           | 2,760  | 3,080 | 3,390           | 8,590   |
| 09089500                              | West Divide Creek near Raven, CO                           | 0                                      | 2.81            | 5.81   | 44.8  | 31.0            | 932     | n/a  | 161             | 232    | 225  | 280             | 424     | 0   | 1.98            | 4.03   | 16.9  | 13.6            | 330     |
| 09093000                              | Parachute Creek near Parachute, CO                         | 0                                      | 3.11            | 7.81   | 49.0  | 26.0            | 1,700   | n/a  | 474             | 545    | 531  | 585             | 878     | 0   | 4.56            | 11.5   | 55.2  | 36.0            | 1,620   |
| 09093700                              | Colorado River near De Beque, CO                           | 914                                    | 1,730           | 2,160  | 3,890 | 3,540           | 37,400  | 124  | 411             | 553    | 519  | 642             | 931     | 2,240                                     | 2,940           | 3,270  | 3,850 | 4,030           | 12,500  |
| 09095500                              | Colorado River near Cameo, CO                              | 871                                    | 1,800           | 2,300  | 3,830 | 3,490           | 38,000  | 122  | 431             | 564    | 536  | 662             | 953     | 2,060                                     | 3,180           | 3,520  | 4,000 | 4,180           | 12,500  |
| 09105000                              | Plateau Creek near Cameo, CO                               | 7.41                                   | 70.0            | 107    | 197   | 162             | 4,080   | 124  | 337             | 416    | 400  | 470             | 723     | 13.3                                      | 84.4            | 120    | 151   | 158             | 1,370   |
| 09106150                              | Colorado River below Grand Valley Divide near Palisade, CO | 58.0                                   | 1,210           | 1,670  | 2,910 | 2,480           | 29,600  | 157  | 386             | 531    | 499  | 621             | 1,020   | 151                                       | 1,660           | 2,530  | 2,800 | 3,370           | 12,500  |
| 09107000                              | Taylor River at Taylor Park, CO                            | 19.0                                   | 38.0            | 53.0   | 108   | 104             | 1,120   | 34.7   | 55.6            | 64.1   | 61.3 | 68.0            | 85.9    | 4.19                                      | 6.76            | 9.55   | 14.9  | 15.9            | 105     |
| 09109000                              | Taylor River below Taylor Park Reservoir, CO               | 50.0                                   | 99.0            | 148    | 210   | 282             | 1,830   | 43.2   | 52.9            | 57.4   | 57.3 | 61.5            | 71.0    | 8.28                                      | 16.2            | 22.4   | 30.7  | 40.1            | 221     |
| 09110000                              | Taylor River at Almont, CO                                 | 60.0                                   | 143             | 236    | 334   | 411             | 2,480   | 54.5   | 71.5            | 77.8   | 77.5 | 84.8            | 97.1    | 15.7                                      | 32.6            | 49.4   | 64.3  | 79.5            | 365     |
| 09111500                              | Slate River near Crested Butte, CO                         | 4.11                                   | 18.0            | 29.0   | 134   | 111             | 1,390   | 38.9   | 70.3            | 93.0   | 91.9 | 115             | 149     | 1.55                                      | 5.55            | 7.54   | 20.7  | 21.3            | 147     |
| 09112200                              | East River below Cement Creek, near Crested Butte, CO      | 32.0                                   | 64.0            | 102    | 322   | 284             | 3,610   | 73.2   | 128             | 163    | 150  | 174             | 205     | 17.0                                      | 30.0            | 45.4   | 94.4  | 99.3            | 712     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09112500                              | East River at Almont, CO                          | 31.0                                   | 72.0            | 117    | 333   | 306             | 4,020   | 83.7   | 151             | 173    | 164  | 185             | 249     | 18.0                                      | 35.0            | 55.4   | 115   | 125             | 967     |
| 09114500                              | Gunnison River near Gunnison, CO                  | 116                                    | 260             | 390    | 746   | 831             | 6,830   | 78.8   | 113             | 122    | 120  | 127             | 170     | 51.4                                      | 87.4            | 131    | 219   | 260             | 1,540   |
| 09115500                              | Tomichi Creek at Sargents, CO                     | 4.81                                   | 23.0            | 32.0   | 58.4  | 50.0            | 838     | 61.1   | 90.9            | 99.6   | 96.9 | 104             | 133     | 1.72                                      | 6.38            | 8.59   | 13.2  | 12.1            | 138     |
| 09118450                              | Cochetopa Creek below Rock Creek, near Parlin, CO | 4.01                                   | 20.0            | 31.0   | 43.9  | 48.0            | 954     | 56.0   | 119             | 134    | 135  | 149             | 251     | 2.72                                      | 7.94            | 11.4   | 14.1  | 16.4            | 144     |
| 09119000                              | Tomichi Creek at Gunnison, CO                     | 3.41                                   | 77.0            | 109    | 182   | 182             | 4,040   | 107  | 157             | 165    | 168  | 175             | 295     | 2.72                                      | 35.3            | 48.4   | 75.4  | 81.6            | 1,160   |
| 09124500                              | Lake Fork at Gateview, CO                         | 21.0                                   | 56.0            | 92.0   | 234   | 226             | 2,350   | 52.6   | 85.1            | 101    | 97.3 | 111             | 142     | 8.05                                      | 16.8            | 25.2   | 47.9  | 52.2            | 353     |
| 09126000                              | Cimarron River near Cimarron, CO                  | 6.01                                   | 16.0            | 29.0   | 99.3  | 113             | 1,330   | 47.9   | 62.2            | 76.0   | 75.2 | 87.5            | 101     | 1.48                                      | 3.84            | 6.32   | 15.9  | 19.7            | 178     |
| 09128000                              | Gunnison River below Gunnison Tunnel, CO          | 247                                    | 584             | 877    | 1,260 | 1,600           | 10,100  | 94.6   | 111             | 115    | 117  | 123             | 139     | 83.5                                      | 187             | 278    | 382   | 486             | 2,660   |
| 09128500                              | Smith Fork near Crawford, CO                      | 1.71                                   | 8.01            | 12.0   | 49.6  | 40.0            | 882     | 44.1   | 77.2            | 88.7   | 90.6 | 99.4            | 163     | 0.58                                      | 2.14            | 3.27   | 9.34  | 8.31            | 153     |
| 09132500                              | North Fork Gunnison River near Somerset, CO       | 21.0                                   | 72.0            | 200    | 502   | 454             | 7,080   | 65.6   | 80.0            | 97.5   | 99.0 | 119             | 138     | 6.89                                      | 22.4            | 47.6   | 108   | 105             | 1,340   |
| 09134000                              | Minnesota Creek near Paonia, CO                   | 1.11                                   | 3.31            | 6.81   | 20.6  | 21.0            | 340     | 110  | 183             | 278    | 307  | 426             | 641     | 0.85                                      | 3.50            | 5.87   | 11.0  | 11.5            | 114     |
| 09135900                              | Leroux Creek at Hotchkiss, CO                     | 1.21                                   | 5.41            | 8.41   | 28.7  | 15.0            | 1,110   | 89.5   | 643             | 759    | 745  | 877             | 1,750   | 3.59                                      | 12.4            | 18.3   | 27.2  | 29.8            | 330     |
| 09143000                              | Surface Creek near Cedaredge, CO                  | 1.11                                   | 5.21            | 17.0   | 46.4  | 64.0            | 695     | 49.8   | 63.5            | 84.4   | 88.1 | 113             | 144     | 0.35                                      | 1.62            | 3.89   | 8.36  | 10.8            | 94.0    |
| 09143500                              | Surface Creek at Cedaredge, CO                    | 0.86                                   | 4.41            | 13.0   | 31.4  | 35.0            | 520     | 57.4   | 70.4            | 96.1   | 103  | 137             | 182     | 0.26                                      | 1.54            | 3.34   | 6.61  | 7.12            | 94.4    |
| 09144250                              | Gunnison River at Delta, CO                       | 295                                    | 843             | 1,370  | 2,070 | 2,490           | 20,300  | 165  | 357             | 459    | 469  | 557             | 962     | 454                                       | 1,180           | 1,690  | 2,050 | 2,600           | 10,400  |
| 09146200                              | Uncompahgre River near Ridgway, CO                | 28.0                                   | 55.0            | 84.0   | 168   | 181             | 1,630   | 133  | 326             | 451    | 423  | 529             | 693     | 52.3                                      | 78.4            | 103    | 136   | 160             | 585     |
| 09147000                              | Dallas Creek near Ridgway, CO                     | 0.26                                   | 18.0            | 26.0   | 40.6  | 45.0            | 600     | 221  | 413             | 474    | 482  | 516             | 1,410   | 0.99                                      | 24.2            | 32.7   | 43.1  | 50.6            | 358     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name                                     | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09147025                              | Uncompahgre River below Ridgway Reservoir, CO | 28.0                                   | 68.0            | 109    | 195   | 296             | 1,110   | 307  | 362             | 417    | 423   | 471             | 630     | 33.8                                      | 72.6            | 121    | 207   | 309             | 1,360   |
| 09147500                              | Uncompahgre River at Colona, CO               | 25.0                                   | 87.0            | 130    | 267   | 347             | 3,360   | 211  | 313             | 396    | 388   | 458             | 573     | 36.1                                      | 106             | 142    | 227   | 298             | 1,920   |
| 09149500                              | Uncompahgre River at Delta, CO                | 15.0                                   | 152             | 220    | 321   | 385             | 4,520   | 342  | 982             | 1,200  | 1,200 | 1,440           | 2,570   | 104                                       | 566             | 741    | 852   | 1,030           | 4,170   |
| 09152500                              | Gunnison River near Grand Junction, CO        | 443                                    | 1,250           | 1,980  | 2,580 | 2,910           | 23,200  | 145  | 452             | 595    | 619   | 757             | 1,590   | 1,080                                     | 2,460           | 3,160  | 3,280 | 3,860           | 9,880   |
| 09153290                              | Reed Wash near Mack, CO                       | 2.41                                   | 6.11            | 54.0   | 41.9  | 68.0            | 120     | 587  | 1,050           | 1,270  | 2,010 | 3,300           | 4,540   | 25.8                                      | 54.7            | 142    | 137   | 206             | 315     |
| 09153300                              | Reed Wash near Loma, CO                       | 4.61                                   | 13.0            | 122    | 97.1  | 165             | 244     | 740  | 1,190           | 1,500  | 2,350 | 3,840           | 5,080   | 58.4                                      | 133             | 350    | 365   | 578             | 827     |
| 09163490                              | Salt Creek near Mack, CO                      | 4.21                                   | 15.0            | 86.0   | 93.8  | 154             | 500     | 658  | 1,210           | 1,520  | 2,620 | 4,340           | 7,430   | 84.4                                      | 175             | 347    | 352   | 475             | 1,030   |
| 09163500                              | Colorado River near Colorado-Utah State Line  | 1,280                                  | 3,200           | 4,410  | 6,700 | 6,600           | 68,300  | 139  | 509             | 655    | 635   | 778             | 1,300   | 3,310                                     | 6,650           | 8,000  | 8,570 | 9,530           | 25,900  |
| 09165000                              | Dolores River below Rico, CO                  | 4.81                                   | 25.0            | 47.0   | 138   | 124             | 1,730   | 57.7   | 141             | 199    | 213   | 277             | 495     | 6.27                                      | 17.8            | 25.9   | 43.0  | 47.6            | 269     |
| 09166500                              | Dolores River at Dolores, CO                  | 11.0                                   | 75.0            | 158    | 461   | 434             | 5,540   | 71.4   | 143             | 187    | 197   | 257             | 427     | 12.7                                      | 49.7            | 81.1   | 154   | 169             | 1,190   |
| 09166950                              | Lost Canyon Creek near Dolores, CO            | 0                                      | 0.02            | 0.91   | 21.0  | 4.51            | 555     | n/a  | 106             | 196    | 311   | 481             | 990     | 0   | 0.04            | 0.46   | 2.91  | 1.38            | 47.6    |
| 09169500                              | Dolores River at Bedrock, CO                  | 0.41                                   | 46.0            | 73.0   | 359   | 178             | 8,000   | 165  | 380             | 505    | 508   | 627             | 1,730   | 1.91                                      | 71.3            | 101    | 267   | 203             | 3,920   |
| 09171100                              | Dolores River near Bedrock, CO                | 1.11                                   | 51.0            | 78.0   | 370   | 190             | 7,460   | 94.4   | 951             | 2,040  | 2,410 | 3,170           | 16,400  | 42.3                                      | 312             | 484    | 597   | 797             | 2,440   |
| 09172500                              | San Miguel River near Placerville, CO         | 38.0                                   | 76.0            | 108    | 244   | 287             | 1,740   | 136  | 207             | 262    | 250   | 294             | 347     | 32.8                                      | 59.9            | 75.7   | 131   | 162             | 640     |
| 09177000                              | San Miguel River at Uravan, CO                | 9.41                                   | 80.0            | 138    | 389   | 404             | 5,440   | 147  | 392             | 606    | 581   | 726             | 1,740   | 44.1                                      | 157             | 228    | 351   | 434             | 2,160   |
| 09180000                              | Dolores River near Cisco, UT                  | 1.51                                   | 148             | 238    | 850   | 675             | 14,000  | 104  | 572             | 1,110  | 1,350 | 1,850           | 6,830   | 24.9                                      | 603             | 916    | 1,130 | 1,360           | 6,200   |
| 09180500                              | Colorado River near Cisco, UT                 | 1,100                                  | 3,200           | 4,360  | 7,010 | 6,960           | 69,500  | 148  | 538             | 713    | 704   | 877             | 1,630   | 3,930                                     | 7,360           | 8,820  | 9,510 | 10,600          | 27,800  |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name                                       | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09183000                              | Courthouse Wash near Moab, UT                   | 0                                      | 0.10            | 0.18   | 1.51  | 0.51            | 240     | n/a  | 542             | 555    | 551   | 562             | 592     | 0   | 0.15            | 0.27   | 2.04  | 0.75            | 306     |
| 09184000                              | Mill Creek near Moab, UT                        | 1.71                                   | 6.21            | 8.61   | 12.9  | 12.0            | 460     | 78.8   | 148             | 164    | 162   | 181             | 221     | 0.98                                      | 2.91            | 3.83   | 4.93  | 5.09            | 109     |
| 09205000                              | New Fork River near Big Piney, WY               | 100                                    | 250             | 346    | 815   | 759             | 9,110   | 36.6   | 91.3            | 119    | 110   | 131             | 185     | 49.2                                      | 84.8            | 115    | 170   | 189             | 899     |
| 09209400                              | Green River near La Barge, WY                   | 188                                    | 530             | 767    | 1,550 | 1,670           | 18,800  | 138  | 195             | 225    | 227   | 263             | 315     | 138                                       | 363             | 474    | 802   | 902             | 7,340   |
| 09211200                              | Green River below Fontenelle Reservoir, WY      | 271                                    | 749             | 1,100  | 1,570 | 1,550           | 14,000  | 147  | 206             | 237    | 240   | 270             | 346     | 184                                       | 513             | 700    | 916   | 925             | 6,150   |
| 09215550                              | Big Sandy River below Farson, WY                | 0                                      | 13.0            | 24.0   | 48.1  | 46.0            | 1,410   | n/a  | 1,160           | 1,440  | 1,640 | 1,840           | 28,900  | 0   | 64.0            | 95.3   | 123   | 144             | 1,130   |
| 09216050                              | Big Sandy River at Gasson Bridge, near Eden, WY | 7.01                                   | 38.0            | 55.0   | 75.9  | 81.0            | 5,530   | 187  | 2,060           | 2,540  | 2,600 | 3,090           | 7,840   | 148                                       | 312             | 372    | 397   | 453             | 2,790   |
| 09217000                              | Green River near Green River, WY                | 200                                    | 744             | 1,100  | 1,600 | 1,580           | 14,300  | 148  | 308             | 359    | 366   | 419             | 666     | 330                                       | 818             | 1,060  | 1,300 | 1,390           | 6,010   |
| 09222000                              | Blacks Fork near Lyman, WY                      | 2.21                                   | 19.0            | 50.0   | 148   | 130             | 3,190   | 384  | 915             | 1,320  | 1,450 | 1,870           | 4,210   | 24.9                                      | 98.6            | 177    | 311   | 328             | 3,450   |
| 09224700                              | Blacks Fork near Little America, WY             | 0                                      | 37.0            | 110    | 289   | 282             | 6,970   | n/a  | 714             | 939    | 1,070 | 1,230           | 6,500   | 0   | 120             | 273    | 479   | 569             | 6,760   |
| 09234500                              | Green River near Greendale, UT                  | 536                                    | 1,160           | 1,810  | 2,140 | 2,760           | 12,300  | 346  | 417             | 459    | 452   | 485             | 548     | 617                                       | 1,430           | 2,170  | 2,570 | 3,270           | 13,700  |
| 09235600                              | Pot Creek above Diversions, near Vernal, UT     | 0                                      | 0               | 0.28   | 4.07  | 1.51            | 185     | n/a  | n/a             | 168    | 186   | 250             | 331     | 0   | 0               | 0.13   | 1.09  | 0.57            | 39.2    |
| 09235800                              | Pot Creek near Vernal, UT                       | 0                                      | 0               | 0      | 1.34  | 0.12            | 121     | n/a  | n/a             | n/a    | 324   | 380             | 408     | 0   | 0               | 0      | 0.55  | 0.09            | 37.8    |
| 09237450                              | Yampa River above Stagecoach Reservoir, CO      | 5.31                                   | 38.3            | 53.0   | 71.9  | 85.0            | 582     | 240  | 277             | 291    | 293   | 305             | 418     | 5.98                                      | 30.2            | 41.3   | 56.0  | 68.3            | 403     |
| 09237500                              | Yampa River below Stagecoach Reservoir, CO      | 9.41                                   | 47.0            | 67.0   | 80.8  | 92.0            | 611     | 226  | 258             | 280    | 277   | 290             | 333     | 7.89                                      | 36.9            | 50.0   | 58.8  | 65.1            | 425     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09238900                              | Fish Creek at upper station, near Steamboat Springs, CO | 0.09                                   | 4.51            | 8.11   | 61.8  | 33.0            | 956     | 12.6   | 21.6            | 25.7   | 26.1  | 30.9            | 43.9    | 0.01                                      | 0.35            | 0.63   | 3.03  | 1.99            | 35.4    |
| 09239500                              | Yampa River at Steamboat Springs, CO                    | 17.0                                   | 93.0            | 135    | 444   | 355             | 5,550   | 44.9   | 103             | 161    | 154   | 201             | 278     | 10.0                                      | 48.4            | 62.8   | 104   | 104             | 687     |
| 09242500                              | Elk River near Milner, CO                               | 3.71                                   | 72.0            | 123    | 513   | 469             | 5,040   | 25.7   | 56.8            | 78.5   | 90.9  | 122             | 202     | 1.74                                      | 20.0            | 32.4   | 75.4  | 90.5            | 492     |
| 09243700                              | Middle Creek near Oak Creek, CO                         | 0                                      | 0.39            | 0.83   | 4.61  | 2.91            | 297     | n/a  | 415             | 512    | 509   | 570             | 897     | 0   | 0.59            | 1.16   | 4.26  | 3.29            | 202     |
| 09243800                              | Foidel Creek near Oak Creek, CO                         | 0                                      | 0.41            | 0.77   | 2.08  | 1.61            | 49.0    | n/a  | 1,720           | 2,080  | 2,080 | 2,350           | 4,290   | 0   | 2.44            | 4.20   | 8.79  | 8.07            | 163     |
| 09243900                              | Foidel Creek at Mouth, near Oak Creek, CO               | 0                                      | 0.61            | 1.21   | 3.80  | 3.01            | 79.0    | n/a  | 1,600           | 1,900  | 1,910 | 2,150           | 3,310   | 0   | 3.28            | 6.14   | 15.4  | 14.1            | 280     |
| 09244410                              | Yampa River below Diversion, near Hayden, CO            | 5.11                                   | 174             | 270    | 1,150 | 1,140           | 12,400  | 57.5   | 118             | 177    | 178   | 237             | 362     | 4.56                                      | 97.1            | 165    | 333   | 376             | 2,690   |
| 09245000                              | Elkhead Creek near Elkhead, CO                          | 0.11                                   | 4.21            | 7.61   | 51.8  | 23.0            | 1,060   | 75.7   | 145             | 184    | 184   | 223             | 307     | 0.09                                      | 2.20            | 4.21   | 16.0  | 10.1            | 258     |
| 09247600                              | Yampa River below Craig, CO                             | 0.42                                   | 195             | 340    | 1,230 | 1,260           | 12,000  | 90.2   | 172             | 246    | 263   | 356             | 843     | 0.95                                      | 170             | 278    | 534   | 679             | 3,110   |
| 09249750                              | Williams Fork at Mouth, near Hamilton, CO               | 0                                      | 49.0            | 75.0   | 230   | 169             | 3,980   | n/a  | 269             | 358    | 346   | 425             | 2,000   | 0   | 55.2            | 76.3   | 142   | 130             | 1,450   |
| 09251000                              | Yampa River near Maybell, CO                            | 1.81                                   | 234             | 403    | 1,560 | 1,440           | 24,400  | 100  | 213             | 317    | 331   | 450             | 1,090   | 5.30                                      | 251             | 416    | 794   | 972             | 6,850   |
| 09253000                              | Little Snake River near Slater, CO                      | 4.21                                   | 29.0            | 44.0   | 238   | 135             | 3,960   | 34.9   | 76.8            | 103    | 98.8  | 123             | 190     | 1.68                                      | 9.54            | 13.2   | 36.7  | 29.3            | 373     |
| 09255000                              | Slater Fork near Slater, CO                             | 0.34                                   | 14.0            | 22.0   | 78.7  | 53.0            | 1,320   | 56.2   | 128             | 162    | 153   | 180             | 334     | 0.31                                      | 6.53            | 9.91   | 20.5  | 19.8            | 217     |
| 09260000                              | Little Snake River near Lily, CO                        | 0                                      | 63.0            | 140    | 565   | 503             | 13,400  | n/a  | 257             | 419    | 451   | 522             | 3,400   | 0   | 84.6            | 163    | 322   | 355             | 4,260   |
| 09260050                              | Yampa River at Deerlodge Park, CO                       | 29.0                                   | 332             | 675    | 2,150 | 2,100           | 32,300  | 104  | 229             | 358    | 354   | 461             | 754     | 38.6                                      | 363             | 760    | 1,290 | 1,410           | 13,500  |
| 09261000                              | Green River near Jensen, UT                             | 806                                    | 1,810           | 2,820  | 4,250 | 4,600           | 38,500  | 178  | 348             | 417    | 407   | 471             | 658     | 1,030                                     | 2,300           | 3,230  | 3,810 | 4,580           | 18,600  |

**Appendix 3. Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.**

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|--|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 09261700                              | Big Brush Creek above Red Fleet Reservoir, near Vernal, UT | 9.31                                   | 17.0            | 24.0   | 44.6 | 41.0            | 336     | 63.5   | 195             | 271    | 253   | 311             | 479     | 8.05                                      | 13.8            | 17.2   | 20.8 | 23.2            | 72.5    |
| 09266500                              | Ashley Creek near Vernal, UT                               | 3.51                                   | 15.0            | 34.0   | 90.9 | 97.0            | 1,780   | 36.8   | 81.0            | 113    | 112   | 141             | 211     | 1.89                                      | 5.64            | 10.3   | 17.2 | 21.4            | 177     |
| 09270500                              | Dry Fork at mouth, near Dry Fork, UT                       | 0                                      | 1.41            | 2.51   | 27.5 | 4.71            | 1,670   | n/a  | 450             | 586    | 600   | 693             | 2,810   | 0   | 2.58            | 3.86   | 11.4 | 6.03            | 298     |
| 09271500                              | Ashley Creek near Jensen, UT                               | 0.19                                   | 12.0            | 22.0   | 57.5 | 37.0            | 3,030   | 272  | 1,330           | 1,560  | 1,670 | 1,870           | 6,520   | 3.34                                      | 56.6            | 91.7   | 128  | 133             | 2,220   |
| 09275500                              | West Fork Duchesne River near Hanna, UT                    | 6.01                                   | 14.0            | 19.0   | 43.0 | 32.0            | 548     | 192  | 282             | 312    | 303   | 330             | 378     | 6.13                                      | 12.5            | 16.5   | 29.3 | 24.7            | 283     |
| 09276000                              | Wolf Creek above Rhoades Canyon near Hanna, UT             | 2.11                                   | 3.31            | 4.81   | 8.54 | 7.71            | 113     | 136  | 186             | 200    | 198   | 212             | 253     | 1.19                                      | 1.83            | 2.66   | 4.20 | 4.15            | 44.3    |
| 09278000                              | South Fork Rock Creek near Hanna, UT                       | 1.11                                   | 2.91            | 5.01   | 12.7 | 11.0            | 179     | 59.2   | 117             | 137    | 133   | 157             | 183     | 0.50                                      | 1.19            | 1.88   | 3.48 | 3.57            | 33.5    |
| 09278500                              | Rock Creek near Hanna, UT                                  | 8.21                                   | 30.0            | 51.0   | 156  | 126             | 2,270   | 19.8   | 37.6            | 46.3   | 44.8  | 51.7            | 81.2    | 1.47                                      | 4.16            | 6.43   | 13.1 | 13.1            | 131     |
| 09279000                              | Rock Creek near Mountain Home, UT                          | 22.0                                   | 42.0            | 59.0   | 153  | 119             | 2,320   | 25.2   | 70.6            | 91.9   | 88.7  | 108             | 143     | 7.60                                      | 12.3            | 15.2   | 23.3 | 22.9            | 164     |
| 09279100                              | Rock Creek near Talmage, UT                                | 14.0                                   | 50.0            | 65.0   | 155  | 125             | 2,270   | 32.6   | 118             | 170    | 160   | 203             | 343     | 13.0                                      | 25.9            | 31.2   | 40.4 | 41.7            | 200     |
| 09279150                              | Duchesne River above Knight Diversion, near Duchesne, UT   | 59.0                                   | 140             | 175    | 333  | 273             | 4,700   | 68.5   | 210             | 264    | 244   | 287             | 366     | 57.4                                      | 108             | 124    | 157  | 156             | 869     |
| 09280400                              | Hobble Creek at Daniels Summit, near Wallsburg, UT         | 0                                      | 0.16            | 0.28   | 3.25 | 0.78            | 81.0    | n/a  | 96.0            | 122    | 115   | 137             | 240     | 0   | 0.06            | 0.09   | 0.44 | 0.21            | 7.46    |
| 09285000                              | Strawberry River near Soldier Springs, UT                  | 3.21                                   | 11.0            | 13.0   | 31.2 | 25.0            | 272     | 188  | 213             | 242    | 245   | 275             | 313     | 2.31                                      | 6.49            | 9.56   | 19.7 | 14.6            | 172     |
| 09287500                              | Water Hollow near Fruitland, UT                            | 0.06                                   | 0.61            | 1.11   | 3.17 | 2.41            | 57.0    | 197  | 273             | 314    | 313   | 356             | 481     | 0.07                                      | 0.58            | 0.95   | 2.23 | 1.71            | 31.6    |
| 09288000                              | Currant Creek near Fruitland, UT                           | 5.91                                   | 25.0            | 33.0   | 49.6 | 47.0            | 801     | 169  | 248             | 270    | 268   | 290             | 345     | 5.50                                      | 17.6            | 23.5   | 33.1 | 34.5            | 396     |



**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|---|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name                                     | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 09288150                              | West Fork Avintaquin Creek near Fruitland, UT | 0.27                                   | 2.01            | 3.31   | 16.6 | 11.0            | 514     | 292  | 332             | 349    | 348  | 366             | 391     | 0.28                                      | 1.91            | 3.21   | 14.3 | 9.93            | 424     |
| 09288180                              | Strawberry River near Duchesne, UT            | 18.0                                   | 70.0            | 95.0   | 156  | 142             | 2,010   | 286  | 433             | 463    | 457  | 487             | 624     | 30.3                                      | 90.7            | 118    | 172  | 169             | 1,550   |
| 09288900                              | Sowers Creek near Duchesne, UT                | 22.0                                   | 53.0            | 77.0   | 144  | 147             | 1,800   | 526  | 635             | 680    | 677  | 712             | 837     | 43.2                                      | 98.9            | 143    | 247  | 260             | 2,640   |
| 09292500                              | Yellowstone River near Altonah, UT            | 22.0                                   | 51.0            | 71.0   | 131  | 137             | 1,800   | 14.4   | 41.5            | 55.4   | 55.3 | 68.9            | 104     | 5.95                                      | 9.16            | 11.1   | 14.1 | 15.6            | 71.9    |
| 09295000                              | Duchesne River at Myton, UT                   | 3.11                                   | 54.0            | 128    | 335  | 390             | 6,520   | 201  | 527             | 741    | 768  | 966             | 2,600   | 21.8                                      | 143             | 255    | 414  | 554             | 3,550   |
| 09297000                              | Uinta River near Neola, UT                    | 30.0                                   | 60.0            | 88.0   | 176  | 181             | 2,790   | 30.5   | 41.4            | 44.9   | 43.8 | 46.8            | 50.6    | 4.09                                      | 7.58            | 10.7   | 18.7 | 20.2            | 230     |
| 09298000                              | Farm Creek near Whiterocks, UT                | 1.31                                   | 2.51            | 3.01   | 5.61 | 3.61            | 117     | 77.3   | 193             | 212    | 203  | 223             | 248     | 0.88                                      | 1.50            | 1.64   | 2.39 | 2.01            | 25.8    |
| 09299500                              | Whiterocks River near Whiterocks, UT          | 14.0                                   | 28.0            | 50.0   | 106  | 122             | 2,300   | 17.3   | 34.8            | 44.2   | 46.8 | 57.0            | 84.1    | 1.67                                      | 4.22            | 6.09   | 10.8 | 12.3            | 186     |
| 09302000                              | Duchesne River near Randlett, UT              | 0.79                                   | 90.0            | 217    | 481  | 530             | 11,500  | 171  | 611             | 896    | 991  | 1,250           | 7,130   | 15.2                                      | 304             | 525    | 696  | 906             | 5,700   |
| 09303000                              | North Fork White River at Buford, CO          | 96.0                                   | 162             | 198    | 324  | 317             | 3,000   | 77.7   | 177             | 211    | 198  | 227             | 267     | 69.0                                      | 99.1            | 113    | 144  | 152             | 629     |
| 09303300                              | South Fork White River at Budges Resort, CO   | 23.0                                   | 47.0            | 58.0   | 103  | 84.0            | 2,020   | 78.2   | 96.9            | 99.4   | 98.0 | 101             | 106     | 6.56                                      | 12.8            | 15.5   | 25.9 | 22.0            | 426     |
| 09303400                              | South Fork White River near Budges Resort, CO | 38.0                                   | 70.0            | 94.0   | 203  | 155             | 2,510   | 103  | 119             | 123    | 122  | 125             | 131     | 13.0                                      | 23.8            | 31.3   | 63.4 | 50.8            | 695     |
| 09303500                              | South Fork White River near Buford, CO        | 57.0                                   | 113             | 142    | 274  | 210             | 3,300   | 112  | 138             | 142    | 140  | 145             | 152     | 23.4                                      | 44.2            | 54.3   | 97.5 | 80.2            | 999     |
| 09304000                              | South Fork White River at Buford, CO          | 47.0                                   | 100             | 130    | 256  | 209             | 2,970   | 104  | 158             | 167    | 162  | 173             | 195     | 24.2                                      | 47.2            | 58.5   | 98.3 | 89.5            | 834     |
| 09304200                              | White River above Coal Creek, near Meeker, CO | 6.51                                   | 260             | 330    | 560  | 480             | 5,360   | 114  | 213             | 244    | 236  | 260             | 565     | 9.80                                      | 182             | 217    | 289  | 282             | 1,650   |
| 09304500                              | White River near Meeker, CO                   | 91.0                                   | 307             | 389    | 630  | 562             | 6,320   | 116  | 263             | 299    | 289  | 325             | 500     | 118                                       | 264             | 312    | 400  | 416             | 2,210   |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |        |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|--|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 09304800                              | White River below Meeker, CO                           | 75.0                                   | 330             | 415    | 667  | 615             | 6,060   | 133  | 317             | 366    | 355    | 401             | 792     | 158                                       | 354             | 411    | 518  | 537             | 2,190   |
| 09306007                              | Piceance Creek below Rio Blanco, CO                    | 0.07                                   | 6.41            | 10.0   | 21.0 | 18.0            | 410     | 515  | 685             | 731    | 731    | 775             | 1,200   | 0.23                                      | 13.0            | 20.0   | 36.8 | 34.4            | 584     |
| 09306022                              | Stewart Gulch above West Fork, near Rio Blanco, CO     | 0                                      | 1.31            | 1.71   | 2.32 | 2.31            | 17.0    | n/a  | 899             | 907    | 909    | 918             | 942     | 0   | 3.23            | 4.11   | 5.67 | 5.82            | 40.8    |
| 09306058                              | Willow Creek near Rio Blanco, CO                       | 0                                      | 1.11            | 2.41   | 3.30 | 4.41            | 35.0    | n/a  | 837             | 855    | 859    | 877             | 960     | 0   | 2.65            | 5.45   | 7.51 | 10.1            | 76.2    |
| 09306200                              | Piceance Creek below Ryan Gulch, near Rio Blanco, CO   | 0.16                                   | 15.0            | 25.0   | 37.9 | 40.0            | 534     | 561  | 908             | 995    | 1,020  | 1,120           | 2,500   | 1.08                                      | 44.4            | 66.9   | 88.9 | 101             | 808     |
| 09306222                              | Piceance Creek at White River, CO                      | 0.75                                   | 14.0            | 27.0   | 40.3 | 45.0            | 539     | 559  | 1,160           | 1,350  | 1,510  | 1,670           | 4,210   | 8.03                                      | 60.5            | 98.9   | 119  | 142             | 857     |
| 09306235                              | Corral Gulch below Water Gulch, near Rangely, CO       | 0                                      | 0.11            | 0.34   | 1.01 | 0.72            | 78.0    | n/a  | 711             | 779    | 854    | 1,010           | 1,150   | 0   | 0.21            | 0.76   | 2.73 | 1.90            | 197     |
| 09306242                              | Corral Gulch near Rangely, CO                          | 0.10                                   | 0.48            | 0.80   | 2.03 | 1.71            | 207     | 772  | 922             | 985    | 970    | 1,040           | 1,090   | 0.28                                      | 1.19            | 2.10   | 5.36 | 4.47            | 520     |
| 09306255                              | Yellow Creek near White River, CO                      | 0.62                                   | 2.21            | 3.11   | 3.94 | 4.41            | 136     | 1,520  | 2,280           | 2,400  | 2,370  | 2,480           | 2,890   | 4.83                                      | 14.7            | 19.6   | 23.9 | 27.5            | 559     |
| 09306290                              | White River below Boise Creek, near Rangely, CO        | 53.0                                   | 379             | 495    | 755  | 735             | 6,170   | 199  | 403             | 477    | 462    | 533             | 810     | 116                                       | 527             | 635    | 784  | 873             | 3,770   |
| 09306410                              | Evacuation Creek above Missouri Creek, near Dragon, UT | 0.08                                   | 0.37            | 0.51   | 2.33 | 1.21            | 97.0    | 1,070  | 2,410           | 2,840  | 2,680  | 3,010           | 4,010   | 0.86                                      | 3.01            | 3.90   | 10.8 | 7.88            | 279     |
| 09306430                              | Evacuation Creek near mouth, near Watson, UT           | 0                                      | 0.05            | 0.13   | 1.56 | 0.61            | 258     | n/a  | 2,880           | 3,370  | 3,250  | 3,640           | 4,430   | 0   | 0.48            | 1.21   | 8.94 | 4.72            | 1,080   |
| 09306500                              | White River near Watson, UT                            | 19.0                                   | 350             | 466    | 691  | 711             | 4,660   | 245  | 426             | 490    | 484    | 547             | 879     | 45.1                                      | 494             | 617    | 782  | 884             | 4,660   |
| 09306800                              | Bitter Creek near Bonanza, UT                          | 0                                      | 0.43            | 3.31   | 7.00 | 12.0            | 150     | n/a  | 2,840           | 4,300  | 5,220  | 6,500           | 15,000  | 0   | 7.74            | 39.9   | 55.0 | 89.4            | 691     |
| 09306850                              | Bitter Creek at mouth, near Bonanza, UT                | 0.11                                   | 0.54            | 0.61   | 1.93 | 1.01            | 139     | 1,310  | 11,100          | 13,800 | 12,500 | 14,600          | 29,100  | 8.63                                      | 21.2            | 22.7   | 34.4 | 30.2            | 491     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09306900                              | White River at mouth, near Ouray, UT                      | 7.31                                   | 370             | 500    | 846   | 895             | 5,550   | 267  | 481             | 540    | 534   | 592             | 1,770   | 34.8                                      | 555             | 749    | 1,040 | 1,230           | 4,680   |
| 09307200                              | Pariette Draw near Ouray, UT                              | 3.01                                   | 12.0            | 19.0   | 27.6  | 36.0            | 335     | 702  | 1,840           | 2,480  | 2,580 | 3,220           | 6,140   | 49.8                                      | 99.8            | 129    | 147   | 182             | 654     |
| 09307300                              | Pariette Draw at mouth, near Ouray, UT                    | 0                                      | 8.01            | 15.0   | 22.8  | 30.0            | 400     | n/a  | 2,070           | 2,510  | 2,750 | 3,110           | 14,300  | 0   | 67.3            | 108    | 130   | 170             | 1,500   |
| 09307500                              | Willow Creek above diversions, near Ouray, UT             | 3.71                                   | 13.0            | 17.0   | 24.9  | 25.0            | 254     | 362  | 450             | 467    | 462   | 479             | 538     | 5.39                                      | 16.8            | 21.4   | 29.4  | 30.4            | 248     |
| 09308000                              | Willow Creek near Ouray, UT                               | 0                                      | 7.61            | 16.0   | 26.3  | 30.0            | 500     | n/a  | 979             | 1,160  | 1,920 | 1,520           | 11,800  | 0   | 30.9            | 49.1   | 63.4  | 78.4            | 543     |
| 09308500                              | Minnie Maud Creek near Myton, UT                          | 0                                      | 0.80            | 1.91   | 6.52  | 4.91            | 190     | n/a  | 538             | 577    | 583   | 614             | 844     | 0   | 1.33            | 2.97   | 8.63  | 7.13            | 212     |
| 09310000                              | Gooseberry Creek near Scofield, UT                        | 0.08                                   | 3.31            | 5.51   | 20.0  | 11.0            | 419     | 123  | 180             | 205    | 212   | 235             | 320     | 0.03                                      | 1.73            | 2.84   | 14.4  | 6.45            | 361     |
| 09310500                              | Fish Creek above reservoir, near Scofield, UT             | 2.61                                   | 9.21            | 14.0   | 54.6  | 30.0            | 1,310   | 155  | 186             | 195    | 195   | 205             | 221     | 1.55                                      | 4.89            | 7.63   | 26.6  | 15.6            | 613     |
| 09312600                              | White River below Tabbyune Creek, near Soldier Summit, UT | 0                                      | 3.41            | 6.51   | 27.9  | 17.0            | 927     | n/a  | 452             | 477    | 476   | 500             | 562     | 0   | 4.42            | 8.62   | 33.7  | 21.2            | 1,070   |
| 09312700                              | Beaver Creek near Soldier Summit, UT                      | 0                                      | 0.15            | 1.21   | 4.72  | 2.91            | 188     | n/a  | 339             | 373    | 384   | 427             | 518     | 0   | 0.18            | 1.19   | 3.98  | 2.76            | 141     |
| 09312800                              | Willow Creek near Castle Gate, UT                         | 0                                      | 1.11            | 2.51   | 10.3  | 7.01            | 335     | n/a  | 655             | 742    | 745   | 818             | 1,160   | 0   | 2.39            | 5.26   | 16.8  | 12.5            | 456     |
| 09314250                              | Price River below Miller Creek, near Wellington, UT       | 0.81                                   | 28.0            | 47.5   | 146   | 116             | 2,810   | 446  | 1,460           | 2,070  | 2,100 | 2,590           | 9,560   | 20.1                                      | 193             | 264    | 426   | 463             | 3,380   |
| 09314280                              | Desert Seep Wash near Wellington, UT                      | 0.23                                   | 11.0            | 21.0   | 30.2  | 40.0            | 390     | 1,540  | 2,780           | 3,550  | 3,750 | 4,430           | 12,800  | 7.92                                      | 130             | 202    | 235   | 302             | 1,650   |
| 09315000                              | Green River at Green River, UT                            | 682                                    | 2,500           | 3,760  | 5,620 | 6,200           | 47,200  | 204  | 429             | 530    | 520   | 611             | 959     | 1,090                                     | 3,990           | 5,500  | 6,450 | 7,790           | 30,700  |
| 09324500                              | Cottonwood Creek near Orangeville, UT                     | 3.01                                   | 15.0            | 45.0   | 120   | 147             | 2,000   | 175  | 222             | 251    | 256   | 287             | 351     | 2.85                                      | 12.2            | 31.1   | 69.9  | 89.7            | 947     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|---|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 09326500                              | Ferron Creek (upper station) near Ferron, UT                          | 1.01                                   | 11.0            | 18.0   | 67.2 | 51.0            | 1,240   | 276  | 388             | 439    | 424   | 467             | 595     | 1.62                                      | 13.9            | 21.2   | 62.4 | 52.9            | 923     |
| 09328000                              | San Rafael River near Castle Dale, UT                                 | 0                                      | 32.0            | 58.0   | 154  | 111             | 3,300   | n/a  | 1,820           | 2,430  | 2,570 | 3,040           | 23,800  | 0   | 254             | 379    | 589  | 574             | 6,260   |
| 09328100                              | San Rafael River at San Rafael Bridge Campground, near Carbondale, UT | 0                                      | 31.0            | 64.0   | 171  | 133             | 3,580   | n/a  | 1,700           | 2,300  | 2,970 | 3,080           | 66,700  | 0   | 256             | 390    | 568  | 613             | 4,790   |
| 09328500                              | San Rafael River near Green River, UT                                 | 0                                      | 21.0            | 41.0   | 111  | 86.0            | 3,600   | n/a  | 2,050           | 2,590  | 3,090 | 3,140           | 21,300  | 0   | 172             | 289    | 459  | 490             | 6,870   |
| 09329050                              | Seven Mile Creek near Fish Lake, UT                                   | 2.51                                   | 6.21            | 8.61   | 15.1 | 13.0            | 227     | 67.9   | 87.8            | 91.7   | 90.7  | 94.8            | 102     | 0.68                                      | 1.60            | 2.15   | 3.41 | 3.10            | 41.5    |
| 09330000                              | Fremont River near Bicknell, UT                                       | 34.0                                   | 68.0            | 83.0   | 91.4 | 100             | 813     | 285  | 343             | 349    | 348   | 355             | 374     | 33.8                                      | 64.5            | 78.0   | 84.6 | 93.6            | 625     |
| 09330230                              | Fremont River near Caineville, UT                                     | 12.0                                   | 44.0            | 77.0   | 78.9 | 96.0            | 1,200   | 291  | 426             | 451    | 461   | 494             | 626     | 19.9                                      | 58.3            | 93.1   | 92.8 | 111             | 941     |
| 09332100                              | Muddy Creek below I-70, near Emery, UT                                | 1.21                                   | 10.0            | 20.0   | 46.1 | 51.0            | 451     | 513  | 1,050           | 1,520  | 1,510 | 1,950           | 3,780   | 12.3                                      | 54.2            | 81.6   | 119  | 148             | 624     |
| 09332700                              | Muddy Creek at Delta Mine, near Hanksville, UT                        | 0                                      | 1.71            | 12.0   | 32.7 | 29.0            | 2,800   | n/a  | 1,770           | 2,250  | 3,140 | 3,280           | 10,200  | 0   | 14.7            | 77.3   | 126  | 145             | 6,080   |
| 09333500                              | Dirty Devil River above Poison Spring Wash, near Hanksville, UT       | 0                                      | 36.0            | 86.0   | 103  | 133             | 10,000  | n/a  | 1,260           | 1,400  | 1,880 | 1,670           | 7,860   | 0   | 153             | 324    | 354  | 463             | 18,100  |
| 09337000                              | Pine Creek near Escalante, UT   | 0                                      | 1.71            | 3.91   | 5.64 | 6.11            | 84.0    | n/a  | 220             | 234    | 239   | 248             | 466     | 0   | 1.15            | 2.42   | 3.19 | 3.62            | 37.1    |
| 09337500                              | Escalante River near Escalante, UT                                    | 0.08                                   | 1.81            | 4.51   | 9.66 | 10.0            | 270     | 205  | 644             | 884    | 983   | 1,220           | 4,070   | 0.88                                      | 6.10            | 10.8   | 14.8 | 18.2            | 149     |
| 09339900                              | East Fork San Juan River above Sand Creek, near Pagosa Springs, CO    | 3.81                                   | 18.0            | 36.0   | 100  | 99.0            | 1,180   | 40.9   | 63.1            | 76.4   | 77.3  | 92.7            | 122     | 1.25                                      | 4.38            | 7.52   | 15.4 | 17.0            | 130     |
| 09342500                              | San Juan River at Pagosa Springs, CO                                  | 12.0                                   | 84.0            | 161    | 452  | 524             | 4,080   | 32.6   | 60.7            | 79.5   | 81.8  | 101             | 170     | 5.52                                      | 22.6            | 34.7   | 67.6 | 90.1            | 377     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|--|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name                                      | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09346000                              | Navajo River at Edith, CO                      | 13.0                                   | 48.0            | 68.0   | 110   | 126             | 1,250   | 84.0   | 131             | 140    | 141   | 151             | 189     | 6.28                                      | 19.2            | 25.6   | 38.3  | 45.8            | 314     |
| 09346400                              | San Juan River near Carracas, CO               | 0.81                                   | 170             | 290    | 623   | 776             | 6,700   | 54.4   | 119             | 172    | 194   | 273             | 580     | 1.27                                      | 102             | 163    | 217   | 281             | 2,120   |
| 09349800                              | Piedra River near Arboles, CO                  | 3.91                                   | 87.0            | 164    | 413   | 540             | 3,290   | 65.3   | 136             | 195    | 210   | 278             | 516     | 5.38                                      | 62.5            | 93.7   | 148   | 202             | 853     |
| 09352900                              | Vallecito Creek near Bayfield, CO              | 6.61                                   | 25.0            | 60.0   | 144   | 164             | 1,350   | 25.2   | 32.6            | 39.4   | 40.6  | 48.9            | 59.8    | 0.96                                      | 3.31            | 6.35   | 12.6  | 14.9            | 95.4    |
| 09354500                              | Los Pinos River at La Boca, CO                 | 6.61                                   | 80.0            | 151    | 256   | 290             | 2,510   | 73.5   | 119             | 138    | 142   | 164             | 276     | 4.93                                      | 35.9            | 56.9   | 77.5  | 93.7            | 508     |
| 09355000                              | Spring Creek at La Boca, CO                    | 0                                      | 5.61            | 17.0   | 32.8  | 56.0            | 918     | n/a  | 210             | 384    | 421   | 607             | 1,450   | 0   | 9.13            | 17.9   | 21.6  | 32.6            | 422     |
| 09355500                              | San Juan River near Archuleta, NM              | 224                                    | 541             | 664    | 1,210 | 1,500           | 5,620   | 139  | 154             | 161    | 163   | 170             | 206     | 89.5                                      | 242             | 308    | 531   | 630             | 2,760   |
| 09359020                              | Animas River below Silverton, CO               | 34.0                                   | 69.0            | 112    | 274   | 278             | 2,350   | 63.5   | 181             | 293    | 288   | 388             | 574     | 48.3                                      | 72.3            | 88.2   | 118   | 136             | 403     |
| 09361500                              | Animas River at Durango, CO                    | 110                                    | 238             | 374    | 819   | 909             | 7,250   | 80.7   | 216             | 324    | 308   | 396             | 590     | 168                                       | 253             | 328    | 437   | 532             | 1,670   |
| 09363500                              | Animas River near Cedar Hill, NM               | 130                                    | 320             | 494    | 950   | 1,100           | 7,770   | 119  | 240             | 322    | 313   | 389             | 503     | 174                                       | 334             | 430    | 590   | 715             | 2,500   |
| 09364500                              | Animas River at Farmington, NM                 | 0                                      | 269             | 394    | 873   | 931             | 8,110   | n/a  | 272             | 400    | 397   | 477             | 8,230   | 0   | 345             | 438    | 599   | 695             | 2,970   |
| 09367561                              | Shumway Arroyo near Waterflow, NM              | 0                                      | 0.38            | 1.41   | 2.15  | 2.61            | 320     | n/a  | 5,470           | 6,340  | 6,360 | 7,800           | 10,300  | 0   | 5.16            | 19.8   | 37.8  | 50.5            | 3,980   |
| 09367950                              | Chaco River near Waterflow, NM                 | 0                                      | 9.51            | 18.0   | 47.1  | 23.0            | 3,870   | n/a  | 1,130           | 1,460  | 1,650 | 1,860           | 5,950   | 0   | 41.1            | 62.9   | 114   | 90.0            | 4,600   |
| 09368000                              | San Juan River at Shiprock, NM                 | 76.0                                   | 820             | 1,210  | 1,990 | 2,410           | 13,700  | 165  | 309             | 389    | 380   | 433             | 910     | 187                                       | 958             | 1,260  | 1,630 | 2,110           | 6,860   |
| 09371000                              | Mancos River near Towaoc, CO                   | 0                                      | 7.31            | 18.0   | 49.7  | 50.0            | 1,810   | n/a  | 804             | 1,180  | 1,600 | 1,560           | 9,320   | 0   | 26.2            | 63.0   | 91.3  | 112             | 1,260   |
| 09371010                              | San Juan River at Four Corners, CO             | 110                                    | 906             | 1,320  | 2,210 | 2,760           | 16,400  | 185  | 325             | 412    | 397   | 466             | 799     | 235                                       | 1,140           | 1,470  | 1,930 | 2,480           | 9,170   |
| 09371492                              | Mud Creek at State Highway 32, near Cortez, CO | 0.28                                   | 1.31            | 2.91   | 6.81  | 12.0            | 77.0    | 637  | 1,470           | 3,490  | 3,270 | 4,860           | 8,350   | 4.23                                      | 17.1            | 29.4   | 33.2  | 48.4            | 232     |
| 09371500                              | McElmo Creek near Cortez, CO                   | 13.0                                   | 35.0            | 53.0   | 61.5  | 76.0            | 735     | 947  | 1,390           | 1,920  | 1,980 | 2,540           | 3,270   | 86.4                                      | 212             | 261    | 290   | 325             | 3,270   |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |        |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |        |                 |         |
|---------------------------------------|--|--|-----------------|--------|--------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean   | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09371520                              | McElmo Creek above Trail Canyon, near Cortez, CO           | 2.71                                   | 27.0            | 43.0   | 56.4   | 81.0            | 976     | 490  | 1,110           | 1,730  | 1,810 | 2,460           | 3,510   | 15.4                                      | 155             | 218    | 223    | 278             | 2,480   |
| 09372000                              | McElmo Creek near Colorado-Utah state line                 | 0.18                                   | 28.0            | 44.0   | 56.4   | 71.0            | 1,160   | 787  | 1,670           | 2,120  | 2,140 | 2,520           | 5,240   | 2.54                                      | 176             | 248    | 288    | 347             | 4,700   |
| 09378200                              | Montezuma Creek at golf course at Monticello, UT           | 0                                      | 0.07            | 0.20   | 3.82   | 0.94            | 296     | n/a  | 297             | 421    | 456   | 566             | 961     | 0   | 0.10            | 0.26   | 2.78   | 1.11            | 188     |
| 09378630                              | Recapture Creek near Blanding, UT                          | 0                                      | 0               | 0.03   | 1.42   | 0.29            | 50.0    | n/a  | n/a             | 184    | 182   | 204             | 257     | 0   | 0               | 0.02   | 0.49   | 0.12            | 15.2    |
| 09378650                              | Recapture Creek below Johnson Creek, near Blanding, UT     | 0                                      | 0               | 0.08   | 10.1   | 8.36            | 212     | n/a  | n/a             | 246    | 233   | 296             | 296     | 0   | 0               | 0.05   | 3.83   | 3.68            | 70.1    |
| 09378700                              | Cottonwood Wash near Blanding, UT                          | 0                                      | 0.11            | 2.51   | 8.81   | 6.61            | 438     | n/a  | 324             | 384    | 411   | 493             | 712     | 0   | 0.11            | 2.82   | 7.44   | 6.14            | 381     |
| 09379500                              | San Juan River near Bluff, UT                              | 70.0                                   | 873             | 1,350  | 2,140  | 2,600           | 20,700  | 136  | 381             | 488    | 478   | 562             | 1,270   | 239                                       | 1,300           | 1,800  | 2,190  | 2,860           | 8,680   |
| 09380000                              | Colorado River at Lees Ferry, AZ                           | 870                                    | 9,980           | 13,200 | 14,600 | 17,600          | 92,600  | 414  | 458             | 521    | 511   | 557             | 610     | 1,340                                     | 14,000          | 18,300 | 19,600 | 23,200          | 136,000 |
| 09383400                              | Little Colorado River at Greer, AZ                         | 0.11                                   | 5.01            | 10.0   | 15.9   | 17.0            | 183     | 49.1   | 58.4            | 66.1   | 67.4  | 76.4            | 95.9    | 0.03                                      | 0.99            | 1.71   | 2.51   | 2.83            | 24.6    |
| 09384000                              | Little Colorado River above Lyman Lake, near St. Johns, AZ | 0.51                                   | 4.21            | 8.51   | 27.5   | 20.0            | 1,660   | 80.3   | 234             | 293    | 291   | 346             | 562     | 0.74                                      | 3.97            | 6.73   | 12.9   | 12.6            | 359     |
| 09386950                              | Zuni River above Black Rock Reservoir, NM                  | 0                                      | 0               | 1.11   | 14.3   | 2.61            | 1,530   | n/a  | n/a             | 458    | 445   | 517             | 911     | 0   | 0               | 1.27   | 11.1   | 3.08            | 1,020   |
| 09403600                              | Kanab Creek near Kanab, UT                                 | 3.01                                   | 7.61            | 10.0   | 14.2   | 15.0            | 354     | 265  | 369             | 411    | 417   | 458             | 728     | 2.29                                      | 7.58            | 11.4   | 18.0   | 18.4            | 695     |
| 09404450                              | East Fork Virgin River near Glendale, UT                   | 3.31                                   | 10.3            | 15.0   | 19.0   | 20.0            | 285     | 255  | 276             | 290    | 290   | 303             | 346     | 2.33                                      | 7.98            | 11.5   | 15.4   | 16.3            | 266     |
| 09406000                              | Virgin River at Virgin, UT                                 | 42.0                                   | 94.0            | 125    | 192    | 174             | 4,230   | 323  | 467             | 515    | 506   | 556             | 603     | 60.1                                      | 132             | 181    | 237    | 231             | 3,680   |
| 09409880                              | Santa Clara River at Gunlock, UT                           | 0                                      | 7.81            | 12.0   | 23.3   | 20.0            | 2,040   | n/a  | 221             | 250    | 248   | 275             | 604     | 0   | 5.36            | 8.19   | 13.2   | 13.2            | 776     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |        |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |        |                 |         |
|---------------------------------------|---|--|-----------------|--------|--------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean   | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09415000                              | Virgin River at Littlefield, AZ                                   | 43.0                                   | 87.0            | 152    | 251    | 249             | 14,300  | 373  | 1,640           | 1,940  | 1,940 | 2,330           | 3,060   | 303                                       | 543             | 795    | 967    | 1,120           | 14,400  |
| 09419515                              | Muddy River above Lake Mead, near Overton, NV                     | 0.07                                   | 1.81            | 3.61   | 8.55   | 6.71            | 2,670   | 493  | 1,900           | 2,270  | 2,240 | 2,570           | 4,210   | 0.79                                      | 9.96            | 22.6   | 34.0   | 36.7            | 3,550   |
| 09419678.3                            | Las Vegas Wash below Flamingo Wash confluence, near Las Vegas, NV | 4.71                                   | 8.81            | 10.0   | 19.0   | 12.0            | 1,560   | 269  | 2,860           | 3,100  | 3,020 | 3,310           | 4,240   | 52.1                                      | 77.8            | 86.0   | 96.7   | 93.9            | 1,130   |
| 09419800                              | Las Vegas Wash below Lake Las Vegas, near Boulder City, NV        | 26.0                                   | 78.0            | 92.0   | 93.2   | 103             | 1,400   | 1,800  | 2,110           | 2,460  | 2,500 | 2,880           | 3,310   | 231                                       | 534             | 583    | 610    | 645             | 7,070   |
| 09421500                              | Colorado River below Hoover Dam, AZ-NV                            | 587                                    | 9,400           | 13,800 | 14,600 | 18,400          | 50,800  | 511  | 555             | 627    | 616   | 675             | 697     | 1,100                                     | 15,700          | 22,500 | 23,900 | 30,100          | 90,300  |
| 09424150                              | Colorado River Aqueduct near Parker Dam, AZ-CA                    | 0                                      | 1,520           | 1,730  | 1,600  | 1,840           | 2,200   | n/a  | 593             | 617    | 625   | 668             | 724     | 0   | 2,520           | 2,810  | 2,680  | 3,090           | 3,810   |
| 09426600                              | Bill Williams River near Planet, AZ                               | 0                                      | 0               | 6.26   | 89.4   | 11.0            | 6,800   | n/a  | n/a             | 579    | 776   | 1,300           | 1,440   | 0   | 0               | 9.67   | 67.9   | 16.3            | 4,170   |
| 09426650                              | Central Arizona Project Canal at Havasu Pumping Plant             | 0                                      | 268             | 888    | 1,240  | 2,310           | 3,550   | n/a  | 592             | 609    | 616   | 651             | 693     | 0   | 448             | 1,510  | 2,080  | 3,840           | 6,000   |
| 09427520                              | Colorado River below Parker Dam, AZ-CA                            | 30.0                                   | 7,540           | 11,500 | 12,200 | 14,600          | 40,500  | 537  | 599             | 653    | 645   | 692             | 738     | 56.0                                      | 13,200          | 20,000 | 21,000 | 25,100          | 75,200  |
| 09429490                              | Colorado River above Imperial Dam, AZ-CA                          | 1,790                                  | 6,840           | 9,560  | 10,900 | 12,100          | 40,700  | 586  | 690             | 727    | 729   | 757             | 902     | 4,160                                     | 13,700          | 18,600 | 20,900 | 24,000          | 82,600  |
| 09430600                              | Mogollon Creek near Cliff, NM                                     | 0                                      | 1.91            | 7.11   | 33.2   | 29.0            | 6,000   | n/a  | 66.1            | 75.1   | 76.2  | 84.0            | 120     | 0   | 0.42            | 1.44   | 5.52   | 5.21            | 858     |
| 09431500                              | Gila River near Redrock, NM                                       | 3.61                                   | 64.0            | 101    | 254    | 210             | 34,000  | 87.6   | 195             | 227    | 223   | 252             | 396     | 3.86                                      | 42.7            | 62.4   | 115    | 113             | 8,030   |
| 09444000                              | San Francisco River near Glenwood, NM                             | 8.21                                   | 25.0            | 37.0   | 115    | 75.0            | 27,500  | 99.5   | 199             | 217    | 214   | 234             | 277     | 5.91                                      | 15.6            | 22.2   | 52.8   | 40.6            | 7,380   |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 09444600                              | San Francisco River near Clifton, AZ                    | 15.0                                   | 59.0            | 110    | 321   | 247             | 52,200  | 34.8   | 412             | 599    | 601   | 798             | 1,500   | 60.8                                      | 127             | 178    | 245   | 275             | 4,900   |
| 09448500                              | Gila River at head of Safford Valley, near Solomon, AZ  | 26.0                                   | 126             | 208    | 619   | 469             | 90,000  | 59.3   | 382             | 503    | 490   | 595             | 1,050   | 73.0                                      | 203             | 282    | 458   | 484             | 14,400  |
| 09466500                              | Gila River at Calva, AZ                                 | 0                                      | 31.0            | 107    | 532   | 357             | 90,000  | n/a  | 944             | 1,490  | 3,720 | 2,440           | 66,300  | 0   | 198             | 436    | 829   | 940             | 25,500  |
| 09471000                              | San Pedro River at Charleston, AZ                       | 0.06                                   | 5.31            | 10.0   | 40.9  | 22.0            | 18,400  | 207  | 278             | 299    | 299   | 320             | 383     | 0.05                                      | 4.22            | 8.75   | 30.4  | 17.9            | 13,100  |
| 09474000                              | Gila River at Kelvin, AZ                                | 0                                      | 117             | 359    | 639   | 834             | 52,400  | n/a  | 635             | 737    | 847   | 908             | 5,630   | 0   | 272             | 712    | 1,030 | 1,510           | 35,600  |
| 09498400                              | Pinal Creek at Inspiration Dam, near Globe, AZ          | 0.65                                   | 5.21            | 7.01   | 12.1  | 9.21            | 3,300   | 478  | 2,380           | 2,670  | 2,660 | 3,030           | 5,300   | 4.73                                      | 37.2            | 54.0   | 66.5  | 68.6            | 5,650   |
| 09498500                              | Salt River near Roosevelt, AZ                           | 65.0                                   | 213             | 343    | 996   | 872             | 89,200  | 42.7   | 689             | 1,320  | 1,350 | 1,860           | 4,500   | 618                                       | 1,070           | 1,260  | 1,480 | 1,670           | 10,700  |
| 09499000                              | Tonto Creek above Gun Creek, near Roosevelt, AZ         | 0                                      | 15.0            | 28.0   | 237   | 87.0            | 32,600  | n/a  | 198             | 234    | 237   | 268             | 744     | 0   | 10.4            | 18.0   | 86.8  | 46.6            | 7,600   |
| 09502000                              | Salt River below Stewart Mountain Dam, AZ               | 0                                      | 9.21            | 801    | 1,210 | 1,660           | 64,000  | n/a  | 422             | 521    | 577   | 703             | 1,170   | 0   | 17.7            | 1,200  | 1,620 | 2,240           | 55,000  |
| 09504000                              | Verde River near Clarkdale, AZ                          | 60.0                                   | 78.0            | 83.0   | 176   | 91.0            | 30,000  | 29.4   | 264             | 274    | 260   | 281             | 301     | 48.7                                      | 58.3            | 61.9   | 79.8  | 65.7            | 2,380   |
| 09504440                              | Oak Creek at Red Rock Crossing, near Sedona, AZ         | 19.0                                   | 29.0            | 32.0   | 92.5  | 43.0            | 8,320   | 33.8   | 144             | 154    | 144   | 159             | 175     | 8.56                                      | 12.1            | 13.8   | 23.5  | 17.1            | 769     |
| 09505800                              | West Clear Creek near Camp Verde, AZ                    | 12.0                                   | 15.0            | 17.0   | 36.2  | 18.0            | 2,750   | 37.2   | 191             | 203    | 194   | 211             | 231     | 7.01                                      | 8.28            | 9.32   | 12.7  | 10.1            | 276     |
| 09507980                              | East Verde River near Childs, AZ                        | 0                                      | 4.91            | 13.0   | 68.7  | 28.0            | 11,000  | n/a  | 206             | 228    | 263   | 280             | 686     | 0   | 3.70            | 8.11   | 27.8  | 15.7            | 2,950   |
| 09508300                              | Wet Bottom Creek near Childs, AZ                        | 0                                      | 0.16            | 0.61   | 17.0  | 3.91            | 3,410   | n/a  | 110             | 183    | 228   | 271             | 625     | 0   | 0.11            | 0.31   | 2.02  | 1.18            | 167     |
| 09508500                              | Verde River below Tangle Creek, above Horseshoe Dam, AZ | 58.0                                   | 171             | 250    | 587   | 345             | 110,000 | 42.7   | 321             | 362    | 348   | 399             | 560     | 84.0                                      | 182             | 242    | 333   | 305             | 12,700  |



**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |        |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09510000                              | Verde River below Bartlett Dam, AZ  | 0                                      | 115             | 329    | 649   | 617             | 84,700  | n/a  | 251             | 280    | 285   | 330             | 426     | 0   | 99.1            | 248    | 443    | 449             | 51,600  |
| 09512800                              | Agua Fria River near Rock Springs, AZ                                     | 0                                      | 1.81            | 4.31   | 90.9  | 21.0            | 32,700  | n/a  | 348             | 392    | 400   | 437             | 772     | 0   | 2.07            | 4.82   | 57.9   | 20.3            | 13,600  |
| 09518000                              | Gila River above diversions, at Gillespie Dam, AZ                         | 8.61                                   | 85.0            | 155    | 1,040 | 275             | 130,000 | 202  | 2,040           | 2,420  | 2,440 | 2,890           | 6,970   | 144                                       | 656             | 994    | 2,010  | 1,550           | 70,800  |
| 09520500                              | Gila River near Dome, AZ  | 0.10                                   | 3.11            | 9.71   | 807   | 113             | 27,700  | 451  | 1,610           | 2,270  | 2,330 | 3,000           | 5,380   | 1.11                                      | 24.1            | 63.6   | 1,720  | 461             | 45,400  |
| 09522000                              | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 655                                    | 1,670           | 2,750  | 5,510 | 5,520           | 39,200  | 573  | 745             | 823    | 832   | 922             | 1,200   | 1,860                                     | 4,120           | 6,040  | 10,600 | 11,300          | 60,600  |
| 09527500                              | All-American Canal below Pilot Knob Wasteway, CA                          | 0                                      | 3,320           | 4,830  | 4,540 | 5,860           | 7,610   | n/a  | 686             | 729    | 738   | 796             | 921     | 0   | 6,620           | 9,260  | 9,010  | 11,600          | 16,600  |
| 10010400                              | East Fork Bear River near Evanston, WY                                    | 5.01                                   | 11.0            | 18.0   | 58.5  | 52.0            | 690     | 33.0   | 66.2            | 97.0   | 92.7  | 120             | 153     | 2.02                                      | 3.52            | 4.81   | 8.88   | 9.61            | 62.1    |
| 10011500                              | Bear River near Utah-Wyoming state line                                   | 20.0                                   | 44.0            | 65.0   | 199   | 167             | 2,680   | 79.8   | 124             | 135    | 138   | 148             | 199     | 8.28                                      | 16.5            | 23.4   | 74.0   | 61.7            | 821     |
| 10015700                              | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY  | 0                                      | 1.11            | 4.61   | 20.4  | 15.0            | 806     | n/a  | 321             | 370    | 367   | 403             | 530     | 0   | 1.17            | 4.72   | 16.3   | 13.4            | 539     |
| 10015900                              | Sulphur Creek below reservoir, near Evanston, WY                          | 0                                      | 0               | 7.01   | 25.2  | 35.0            | 740     | n/a  | n/a             | 323    | 324   | 354             | 382     | 0   | 0               | 6.18   | 20.7   | 29.8            | 601     |
| 10020100                              | Bear River above reservoir, near Woodruff, UT                             | 0                                      | 28.3            | 84.0   | 241   | 223             | 3,900   | n/a  | 220             | 268    | 266   | 303             | 778     | 0   | 23.0            | 60.7   | 127    | 134             | 1,530   |
| 10020300                              | Bear River below reservoir, near Woodruff, UT                             | 0                                      | 19.0            | 40.0   | 242   | 226             | 3,630   | n/a  | 238             | 302    | 307   | 370             | 631     | 0   | 17.7            | 31.6   | 147    | 152             | 1,800   |
| 10026500                              | Bear River near Randolph, UT  | 3.61                                   | 40.0            | 85.0   | 226   | 229             | 3,500   | 257  | 340             | 379    | 391   | 421             | 650     | 6.23                                      | 43.4            | 88.5   | 203    | 222             | 2,590   |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|---|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 10032000                              | Smiths Fork near Border, WY   | 34.0                                   | 63.0            | 91.0   | 195   | 196             | 2,000   | 164  | 197             | 209    | 205   | 215             | 226     | 20.7                                      | 36.5            | 51.3   | 99.5  | 104             | 884     |
| 10038000                              | Bear River below Smiths Fork, near Cokeville, WY                        | 31.0                                   | 145             | 233    | 431   | 450             | 5,400   | 203  | 293             | 319    | 320   | 340             | 422     | 28.0                                      | 124             | 201    | 370   | 387             | 4,440   |
| 10039500                              | Bear River at Border, WY  | 25.0                                   | 143             | 250    | 471   | 487             | 4,840   | 297  | 330             | 344    | 344   | 358             | 390     | 23.6                                      | 137             | 228    | 430   | 454             | 4,360   |
| 10041000                              | Thomas Fork near Wyoming-Idaho state line                               | 4.91                                   | 14.0            | 20.0   | 56.9  | 41.0            | 1,450   | 198  | 481             | 615    | 593   | 713             | 936     | 10.2                                      | 25.5            | 34.5   | 60.4  | 53.3            | 774     |
| 10068500                              | Bear River at Pescadero, ID   | 31.0                                   | 107             | 545    | 714   | 1,170           | 4,280   | 196  | 316             | 346    | 336   | 375             | 447     | 35.8                                      | 103             | 449    | 598   | 1,010           | 2,890   |
| 10092700                              | Bear River at Idaho-Utah state line                                     | 48.0                                   | 532             | 949    | 1,220 | 1,680           | 4,830   | 325  | 463             | 519    | 531   | 569             | 947     | 65.8                                      | 778             | 1,360  | 1,670 | 2,310           | 6,990   |
| 10093000                              | Cub River near Preston, ID  | 13.0                                   | 22.0            | 33.0   | 94.4  | 79.0            | 776     | 122  | 147             | 157    | 154   | 163             | 171     | 5.91                                      | 9.71            | 14.0   | 35.7  | 31.5            | 266     |
| 10099000                              | High Creek near Richmond, UT  | 3.81                                   | 9.51            | 14.0   | 33.7  | 36.0            | 474     | 132  | 142             | 153    | 153   | 162             | 191     | 1.48                                      | 4.03            | 6.03   | 13.4  | 14.0            | 179     |
| 10104700                              | Little Bear River below Davenport Creek, near Avon, UT                  | 9.01                                   | 23.0            | 34.0   | 58.7  | 59.0            | 924     | 102  | 176             | 205    | 200   | 228             | 278     | 6.12                                      | 13.5            | 19.2   | 26.9  | 29.0            | 254     |
| 10106000                              | Little Bear River near Paradise, UT                                     | 8.81                                   | 46.0            | 59.0   | 117   | 113             | 1,510   | 130  | 226             | 261    | 251   | 281             | 401     | 9.53                                      | 33.5            | 42.8   | 65.3  | 71.4            | 531     |
| 10109000                              | Logan River above State Dam, near Logan, UT                             | 55.0                                   | 101             | 141    | 232   | 230             | 1,870   | 142  | 189             | 204    | 201   | 215             | 251     | 35.0                                      | 58.2            | 77.2   | 114   | 118             | 724     |
| 10113500                              | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT | 26.0                                   | 74.0            | 104    | 143   | 157             | 1,530   | 144  | 202             | 213    | 211   | 224             | 259     | 18.2                                      | 44.2            | 59.2   | 76.0  | 85.6            | 593     |
| 10118000                              | Bear River near Collinston, UT  | 7.21                                   | 534             | 1,280  | 1,430 | 2,000           | 8,020   | 301  | 376             | 438    | 515   | 533             | 1,150   | 22.3                                      | 753             | 1,470  | 1,510 | 2,170           | 6,510   |
| 10125500                              | Malad River at Woodruff, ID   | 17.0                                   | 38.0            | 73.0   | 83.6  | 101             | 1,500   | 490  | 1,670           | 2,020  | 2,430 | 3,230           | 4,600   | 207                                       | 321             | 394    | 422   | 471             | 1,980   |
| 10125600                              | Malad River near Plymouth, UT   | 24.0                                   | 45.0            | 81.5   | 100   | 118             | 1,840   | 238  | 1,960           | 2,500  | 2,860 | 3,560           | 6,450   | 350                                       | 432             | 534    | 563   | 680             | 1,190   |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |       |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|--|--|-----------------|--------|-------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name                                  | Minimum                                | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 10126000                              | Bear River near Corinne, UT                | 47.0                                   | 640             | 1,390  | 1,860 | 2,670           | 14,300  | 254  | 524             | 715    | 913   | 989             | 3,040   | 386                                       | 1,680           | 2,630  | 2,790 | 3,760           | 9,790   |
| 10126180                              | Sulphur Creek near Corinne, UT             | 9.01                                   | 51.0            | 62.0   | 65.5  | 79.0            | 268     | 714  | 1,550           | 1,830  | 1,720 | 1,990           | 3,160   | 33.0                                      | 212             | 293    | 300   | 373             | 851     |
| 10128500                              | Weber River near Oakley, UT                | 20.0                                   | 55.0            | 85.0   | 216   | 175             | 2,730   | 57.6   | 118             | 144    | 138   | 162             | 218     | 11.6                                      | 24.4            | 33.3   | 57.9  | 56.3            | 424     |
| 10130500                              | Weber River near Coalville, UT             | 7.01                                   | 133             | 183    | 242   | 234             | 1,860   | 143  | 198             | 215    | 224   | 242             | 365     | 6.81                                      | 76.3            | 106    | 130   | 135             | 744     |
| 10131000                              | Chalk Creek at Coalville, UT               | 2.81                                   | 18.0            | 34.0   | 82.7  | 70.0            | 1,410   | 189  | 316             | 357    | 351   | 389             | 489     | 3.67                                      | 19.4            | 31.4   | 63.8  | 62.4            | 835     |
| 10134500                              | East Canyon Creek near Morgan, UT          | 3.51                                   | 6.91            | 36.0   | 69.2  | 113             | 698     | 269  | 304             | 319    | 324   | 344             | 383     | 3.34                                      | 6.23            | 31.7   | 57.8  | 94.0            | 560     |
| 10136500                              | Weber River at Gateway, UT                 | 38.0                                   | 167             | 392    | 636   | 625             | 5,750   | 186  | 258             | 277    | 283   | 314             | 391     | 40.1                                      | 142             | 293    | 413   | 435             | 2,890   |
| 10137500                              | South Fork Ogden River near Huntsville, UT | 13.0                                   | 41.0            | 67.0   | 127   | 106             | 1,490   | 110  | 168             | 186    | 185   | 208             | 252     | 7.93                                      | 22.9            | 33.9   | 52.4  | 49.7            | 443     |
| 10139300                              | Wheeler Creek near Huntsville, UT          | 0                                      | 0.91            | 2.41   | 11.2  | 10.0            | 480     | n/a  | 170             | 213    | 207   | 241             | 340     | 0   | 0.58            | 1.36   | 4.65  | 4.79            | 163     |
| 10141000                              | Weber River near Plain City, UT            | 16.0                                   | 93.0            | 192    | 539   | 600             | 7,060   | 159  | 298             | 362    | 359   | 417             | 611     | 24.9                                      | 105             | 193    | 378   | 494             | 3,030   |
| 10146000                              | Salt Creek at Nephi, UT                    | 3.51                                   | 8.61            | 13.0   | 28.6  | 25.0            | 341     | 220  | 475             | 545    | 544   | 634             | 867     | 7.53                                      | 14.9            | 19.0   | 32.0  | 34.5            | 203     |
| 10146400                              | Currant Creek near Mona, UT                | 1.51                                   | 9.21            | 16.0   | 33.6  | 38.0            | 566     | 442  | 691             | 892    | 929   | 1,150           | 1,630   | 2.60                                      | 17.9            | 37.6   | 102   | 108             | 1,850   |
| 10148200                              | Tie Fork near Soldier Summit, UT           | 0.21                                   | 2.51            | 3.61   | 6.24  | 5.61            | 84.0    | 298  | 335             | 357    | 356   | 375             | 421     | 0.22                                      | 2.36            | 3.36   | 6.09  | 5.45            | 86.8    |
| 10150500                              | Spanish Fork at Castilla, UT               | 30.0                                   | 95.0            | 166    | 279   | 401             | 3,700   | 230  | 319             | 393    | 399   | 471             | 633     | 37.7                                      | 116             | 192    | 259   | 340             | 2,800   |
| 10152000                              | Spanish Fork near Lake Shore, UT           | 0.21                                   | 29.0            | 96.0   | 162   | 152             | 3,190   | 300  | 443             | 484    | 480   | 519             | 690     | 0.39                                      | 37.2            | 126    | 180   | 191             | 2,890   |
| 10154200                              | Provo River near Woodland, UT              | 28.0                                   | 56.0            | 81.0   | 211   | 183             | 2,530   | 35.6   | 82.5            | 114    | 107   | 133             | 180     | 11.4                                      | 20.1            | 25.4   | 39.8  | 40.5            | 255     |
| 10155000                              | Provo River near Hailstone, UT             | 19.0                                   | 73.0            | 109    | 260   | 212             | 2,880   | 55.0   | 106             | 129    | 126   | 147             | 189     | 7.15                                      | 27.8            | 40.8   | 68.2  | 64.5            | 544     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|--|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 10159500                              | Provo River below Deer Creek Dam, UT                         | 46.0                                   | 129             | 296    | 360  | 470             | 2,240   | 182  | 217             | 240    | 250  | 277             | 365     | 37.8                                      | 96.7            | 198    | 222  | 272             | 1,150   |
| 10163000                              | Provo River at Provo, UT                                     | 0.95                                   | 43.3            | 128    | 231  | 317             | 2,220   | 202  | 240             | 262    | 263  | 282             | 350     | 0.82                                      | 31.9            | 91.2   | 152  | 218             | 1,210   |
| 10164500                              | American Fork above upper powerplant, near American Fork, UT | 2.91                                   | 18.0            | 27.0   | 64.1 | 62.0            | 1,000   | 135  | 224             | 257    | 249  | 281             | 388     | 3.05                                      | 13.6            | 19.1   | 34.9 | 37.2            | 364     |
| 10171000                              | Jordan River at 1700 South at Salt Lake City, UT             | 2.31                                   | 118             | 141    | 145  | 171             | 327     | 718  | 856             | 925    | 916  | 1,000           | 1,110   | 5.33                                      | 295             | 350    | 354  | 412             | 888     |
| 10172200                              | Red Butte Creek at Fort Douglas, near Salt Lake City, UT     | 0.39                                   | 1.51            | 2.41   | 4.29 | 4.01            | 95.0    | 244  | 354             | 391    | 384  | 416             | 487     | 0.47                                      | 1.67            | 2.53   | 3.92 | 3.90            | 62.6    |
| 10172700                              | Vernon Creek near Vernon, UT                                 | 1.11                                   | 2.51            | 3.81   | 5.13 | 6.21            | 70.0    | 205  | 242             | 250    | 259  | 276             | 311     | 0.73                                      | 1.64            | 2.55   | 3.72 | 4.85            | 53.9    |
| 10172800                              | South Willow Creek near Grantsville, UT                      | 1.51                                   | 2.61            | 4.01   | 6.74 | 7.31            | 84.0    | 96.5   | 149             | 168    | 166  | 183             | 211     | 0.63                                      | 1.35            | 1.84   | 2.73 | 3.10            | 26.3    |
| 10172805                              | North Willow Creek near Grantsville, UT                      | 0.91                                   | 2.01            | 3.01   | 5.78 | 5.41            | 145     | 98.7   | 146             | 162    | 159  | 174             | 193     | 0.42                                      | 0.94            | 1.31   | 2.22 | 2.30            | 41.4    |
| 10172870                              | Trout Creek near Callao, UT                                  | 0.71                                   | 1.71            | 2.21   | 5.98 | 4.61            | 156     | 36.8   | 40.8            | 45.0   | 48.1 | 48.7            | 94.8    | 0.08                                      | 0.21            | 0.27   | 0.87 | 0.65            | 39.9    |
| 10172952                              | Dunn Creek near Park Valley, UT                              | 0.51                                   | 1.51            | 2.21   | 6.09 | 5.91            | 150     | 65.5   | 111             | 128    | 125  | 140             | 165     | 0.19                                      | 0.56            | 0.82   | 1.71 | 1.75            | 30.4    |
| 10173450                              | Mammoth Creek above West Hatch Ditch, near Hatch, UT         | 1.11                                   | 11.0            | 18.0   | 47.3 | 36.0            | 720     | 95.7   | 125             | 133    | 131  | 139             | 174     | 0.52                                      | 3.98            | 6.53   | 14.5 | 12.1            | 187     |
| 10174500                              | Sevier River at Hatch, UT                                    | 21.0                                   | 52.0            | 72.0   | 114  | 104             | 1,340   | 144  | 196             | 206    | 202  | 212             | 239     | 13.5                                      | 29.2            | 40.2   | 56.9 | 55.7            | 519     |
| 10176300                              | Panguitch Creek near Panguitch, UT                           | 0                                      | 3.71            | 6.16   | 24.0 | 41.0            | 157     | n/a  | 123             | 131    | 132  | 139             | 233     | 0   | 1.35            | 2.28   | 8.00 | 13.7            | 46.3    |
| 10180000                              | Sevier River near Circleville, UT                            | 25.0                                   | 80.0            | 118    | 145  | 161             | 1,880   | 176  | 253             | 268    | 269  | 285             | 340     | 22.3                                      | 60.6            | 84.9   | 97.4 | 111             | 891     |
| 10183500                              | Sevier River near Kingston, UT                               | 5.71                                   | 29.0            | 115    | 124  | 172             | 1,560   | 225  | 297             | 311    | 320  | 345             | 407     | 6.04                                      | 26.6            | 95.8   | 97.8 | 139             | 949     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |       |                 |         |
|---------------------------------------|--|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 10187300                              | Otter Creek near Koosharem, UT                       | 5.41                                   | 8.51            | 9.61   | 12.0 | 12.0            | 67.0    | 46.7   | 68.3            | 73.1   | 72.0  | 77.3            | 88.5    | 1.22                                      | 1.73            | 1.90   | 2.21  | 2.27            | 8.77    |
| 10191500                              | Sevier River below Piute Dam, near Marysville, UT    | 0.32                                   | 21.0            | 161    | 227  | 374             | 2,470   | 269  | 285             | 301    | 301   | 314             | 348     | 0.25                                      | 17.5            | 129    | 177   | 292             | 1,800   |
| 10208500                              | Oak Creek near Fairview, UT                          | 1.11                                   | 2.11            | 3.01   | 12.8 | 6.34            | 410     | 190  | 240             | 266    | 261   | 286             | 362     | 0.61                                      | 1.55            | 2.25   | 8.86  | 4.41            | 353     |
| 10219000                              | Sevier River near Juab, UT                           | 0                                      | 3.91            | 159    | 393  | 596             | 4,920   | n/a  | 1,030           | 1,150  | 1,120 | 1,250           | 1,450   | 0   | 12.6            | 439    | 1,060 | 1,720           | 12,400  |
| 10219200                              | Chicken Creek near Levan, UT                         | 0                                      | 1.41            | 3.01   | 9.52 | 6.81            | 380     | n/a  | 433             | 497    | 503   | 561             | 750     | 0   | 1.98            | 4.01   | 10.7  | 8.17            | 388     |
| 10224000                              | Sevier River near Lynndyl, UT                        | 4.51                                   | 45.0            | 119    | 350  | 470             | 5,020   | 703  | 1,040           | 1,230  | 1,290 | 1,470           | 2,380   | 25.7                                      | 182             | 385    | 928   | 1,340           | 9,690   |
| 10237000                              | Beaver River at Adamsville, UT                       | 0                                      | 5.71            | 30.0   | 47.4 | 48.0            | 1,700   | n/a  | 256             | 296    | 371   | 428             | 1,410   | 0   | 6.36            | 23.8   | 29.6  | 33.9            | 676     |
| 10241470                              | Center Creek above Parowan Creek, near Parowan, UT   | 1.51                                   | 4.11            | 4.91   | 6.04 | 6.44            | 42.0    | 112  | 175             | 191    | 192   | 213             | 283     | 1.13                                      | 2.21            | 2.63   | 2.95  | 3.25            | 13.3    |
| 10242000                              | Coal Creek near Cedar City, UT                       | 2.11                                   | 10.0            | 14.0   | 34.4 | 26.0            | 1,080   | 157  | 303             | 350    | 340   | 384             | 467     | 2.62                                      | 10.4            | 13.9   | 24.7  | 21.9            | 456     |
| 10244950                              | Steptoe Creek near Ely, NV                           | 1.61                                   | 3.41            | 4.71   | 6.91 | 7.51            | 73.0    | 162  | 178             | 185    | 185   | 192             | 218     | 0.80                                      | 1.69            | 2.35   | 3.54  | 3.80            | 43.0    |
| 10249300                              | South Twin River near Round Mountain, NV             | 0.36                                   | 1.91            | 3.01   | 7.03 | 6.31            | 338     | 64.3   | 81.0            | 87.6   | 86.5  | 92.8            | 100     | 0.09                                      | 0.48            | 0.73   | 1.48  | 1.42            | 59.5    |
| 10249900                              | Chiatovich Creek near Dyer, NV                       | 4.11                                   | 6.71            | 7.91   | 8.85 | 9.51            | 27.0    | 40.1   | 45.7            | 47.8   | 47.4  | 49.3            | 51.2    | 0.57                                      | 0.87            | 1.02   | 1.12  | 1.22            | 3.20    |
| 10254670                              | Alamo River at drop 3, near Calipatria, CA           | 259                                    | 606             | 694    | 710  | 809             | 4,670   | 1,300  | 2,230           | 2,390  | 2,440 | 2,600           | 3,560   | 2,360                                     | 4,050           | 4,520  | 4,560 | 5,010           | 16,300  |
| 10254970                              | New River at International Boundary, at Calexico, CA | 130                                    | 229             | 292    | 293  | 344             | 735     | 2,540  | 3,540           | 3,890  | 3,890 | 4,220           | 5,220   | 1,630                                     | 2,550           | 2,990  | 2,990 | 3,370           | 5,580   |
| 10256500                              | Snow Creek near White Water, CA                      | 0                                      | 0.87            | 3.41   | 8.08 | 7.01            | 909     | n/a  | 70.1            | 80.6   | 86.9  | 94.6            | 215     | 0   | 0.23            | 0.72   | 1.31  | 1.33            | 86.6    |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|---|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 10261500                              | Mojave River at Lower Narrows, near Victorville, CA     | 3.41                                   | 21.0            | 30.0   | 100  | 43.0            | 10,000  | 81.7   | 257             | 278    | 284  | 322             | 480     | 4.42                                      | 17.3            | 24.3   | 45.7 | 31.5            | 2,270   |
| 10265150                              | Hot Creek at Flume, near Mammoth Lakes, CA              | 29.0                                   | 41.0            | 51.0   | 60.9 | 66.0            | 309     | 103  | 288             | 332    | 325  | 376             | 468     | 36.0                                      | 41.9            | 45.3   | 47.5 | 51.2            | 91.3    |
| 10277400                              | Owens River below Tinemaha Reservoir, near Big Pine, CA | 5.01                                   | 433             | 603    | 553  | 695             | 1,050   | 148  | 165             | 171    | 179  | 188             | 238     | 2.22                                      | 215             | 282    | 260  | 314             | 462     |
| 10293000                              | East Walker River near Bridgeport, CA                   | 2.31                                   | 19.0            | 129    | 188  | 296             | 1,280   | 73.6   | 106             | 142    | 157  | 191             | 366     | 1.73                                      | 10.9            | 47.0   | 61.4 | 91.2            | 328     |
| 10296500                              | West Walker River near Coleville, CA                    | 14.0                                   | 71.0            | 135    | 331  | 344             | 2,950   | 21.2   | 48.3            | 71.9   | 70.7 | 89.6            | 148     | 5.59                                      | 16.3            | 26.6   | 37.5 | 45.9            | 175     |
| 10297500                              | West Walker River at Hoyer Bridge, near Wellington, CA  | 3.61                                   | 27.0            | 113    | 250  | 352             | 2,510   | 48.1   | 83.8            | 114    | 131  | 178             | 324     | 3.11                                      | 12.9            | 34.3   | 55.6 | 80.2            | 346     |
| 10301500                              | Walker River near Wabuska, NV                           | 0.71                                   | 30.0            | 60.0   | 177  | 139             | 2,740   | 81.1   | 210             | 262    | 268  | 315             | 654     | 1.17                                      | 20.1            | 41.2   | 97.0 | 106             | 940     |
| 10309000                              | East Fork Carson River near Gardnerville, NV            | 28.0                                   | 116             | 248    | 497  | 593             | 6,390   | 31.9   | 71.1            | 101    | 102  | 131             | 198     | 12.3                                      | 37.0            | 74.3   | 91.3 | 120             | 613     |
| 10310000                              | West Fork Carson River at Woodfords, CA                 | 5.31                                   | 24.0            | 54.0   | 118  | 126             | 1,720   | 30.2   | 48.1            | 56.5   | 55.7 | 64.1            | 78.3    | 1.12                                      | 4.24            | 8.33   | 14.1 | 16.5            | 140     |
| 10311000                              | Carson River near Carson City, NV                       | 1.61                                   | 80.0            | 272    | 533  | 637             | 6,830   | 48.6   | 128             | 177    | 219  | 253             | 915     | 3.90                                      | 55.8            | 131    | 161  | 224             | 1,160   |
| 10311100                              | Kings Canyon Creek near Carson City, NV                 | 0.17                                   | 0.89            | 1.51   | 2.11 | 2.71            | 18.0    | 46.7   | 53.3            | 69.4   | 74.1 | 90.7            | 133     | 0.03                                      | 0.17            | 0.28   | 0.41 | 0.49            | 5.08    |
| 10311200                              | Ash Canyon Creek near Carson City, NV                   | 0.78                                   | 1.91            | 2.61   | 3.93 | 4.91            | 25.0    | 40.7   | 54.2            | 61.4   | 60.0 | 65.7            | 75.8    | 0.14                                      | 0.34            | 0.45   | 0.59 | 0.76            | 2.75    |
| 10312000                              | Carson River near Fort Churchill, NV                    | 0                                      | 22.0            | 150    | 375  | 419             | 13,400  | n/a  | 160             | 240    | 795  | 427             | 8,160   | 0   | 25.7            | 96.2   | 128  | 178             | 1,820   |
| 10312150                              | Carson River below Lahontan Reservoir, near Fallon, NV  | 0.25                                   | 4.41            | 464    | 489  | 816             | 3,160   | 131  | 157             | 179    | 206  | 259             | 339     | 0.17                                      | 2.15            | 230    | 247  | 407             | 1,270   |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |      |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|--|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 10321000                              | Humboldt River near Carlin, NV                                   | 0.74                                   | 43.0            | 125    | 438  | 445             | 8,090   | 201  | 262             | 297    | 293  | 324             | 380     | 0.76                                      | 36.4            | 101    | 294  | 326             | 4,750   |
| 10322500                              | Humboldt River at Palisade, NV                                   | 10.0                                   | 78.0            | 194    | 680  | 766             | 7,820   | 204  | 262             | 304    | 300  | 333             | 409     | 11.0                                      | 70.0            | 160    | 446  | 545             | 4,300   |
| 10324500                              | Rock Creek near Battle Mountain, NV                              | 0                                      | 2.31            | 8.81   | 77.8 | 42.0            | 2,210   | n/a  | 187             | 222    | 228  | 255             | 455     | 0   | 1.55            | 5.06   | 33.0 | 21.3            | 825     |
| 10335000                              | Humboldt River near Rye Patch, NV                                | 0.16                                   | 22.0            | 227    | 466  | 450             | 7,840   | 415  | 482             | 541    | 554  | 617             | 739     | 0.24                                      | 32.4            | 325    | 639  | 626             | 10,000  |
| 10336580                              | Upper Truckee River at South Upper Truckee Road, near Meyers, CA | 1.01                                   | 3.51            | 8.01   | 36.5 | 35.0            | 1,130   | 8.72   | 17.8            | 24.6   | 24.5 | 30.8            | 41.2    | 0.10                                      | 0.28            | 0.53   | 1.48 | 1.67            | 26.6    |
| 10336610                              | Upper Truckee River at South Lake Tahoe, CA                      | 0.02                                   | 14.0            | 37.0   | 102  | 118             | 3,150   | 15.1   | 33.7            | 47.3   | 48.9 | 60.0            | 266     | 0.01                                      | 2.13            | 4.88   | 8.05 | 11.3            | 143     |
| 10336645                              | General Creek near Meeks Bay, CA                                 | 0.30                                   | 1.41            | 3.51   | 18.2 | 18.0            | 600     | 7.11   | 17.6            | 30.0   | 30.0 | 41.5            | 60.4    | 0.04                                      | 0.15            | 0.30   | 0.69 | 0.87            | 15.3    |
| 10336676                              | Ward Creek at Highway 89, near Tahoe Pines, CA                   | 0                                      | 2.01            | 7.01   | 28.6 | 31.0            | 1,390   | n/a  | 30.6            | 39.3   | 40.9 | 48.3            | 107     | 0   | 0.27            | 0.73   | 2.06 | 2.58            | 69.4    |
| 10336698                              | Third Creek near Crystal Bay, NV                                 | 0.86                                   | 2.51            | 3.81   | 7.29 | 7.11            | 85.0    | 20.0   | 42.0            | 51.7   | 51.5 | 58.7            | 93.9    | 0.10                                      | 0.36            | 0.54   | 0.87 | 0.99            | 13.3    |
| 10336700                              | Incline Creek near Crystal Bay, NV                               | 0.19                                   | 2.71            | 4.41   | 7.25 | 7.51            | 112     | 28.8   | 50.6            | 56.6   | 58.5 | 66.0            | 100     | 0.03                                      | 0.42            | 0.72   | 1.06 | 1.17            | 19.1    |
| 10336775                              | Trout Creek at Pioneer Trail, near South Lake Tahoe, CA          | 2.01                                   | 7.71            | 13.0   | 23.7 | 25.0            | 457     | 15.3   | 29.1            | 35.4   | 34.3 | 40.4            | 54.4    | 0.29                                      | 0.80            | 1.24   | 1.74 | 2.00            | 21.8    |
| 10343500                              | Sagehen Creek near Truckee, CA                                   | 1.21                                   | 2.41            | 4.01   | 11.2 | 9.01            | 800     | 20.0   | 63.9            | 84.7   | 80.2 | 97.7            | 114     | 0.35                                      | 0.63            | 0.92   | 1.56 | 1.57            | 43.1    |
| 10346000                              | Truckee River at Farad, CA                                       | 37.0                                   | 413             | 571    | 987  | 1,100           | 6,360   | 37.1   | 55.7            | 62.4   | 63.9 | 71.7            | 121     | 12.1                                      | 79.5            | 101    | 145  | 167             | 690     |
| 10351700                              | Truckee River near Nixon, NV                                     | 3.31                                   | 37.0            | 89.5   | 539  | 544             | 14,500  | 50.1   | 159             | 325    | 324  | 472             | 1,090   | 9.72                                      | 46.2            | 80.8   | 176  | 241             | 1,960   |
| 10352500                              | McDermitt Creek near McDermitt, NV                               | 0                                      | 5.91            | 10.0   | 42.2 | 44.0            | 1,200   | n/a  | 174             | 195    | 206  | 223             | 546     | 0   | 3.29            | 5.71   | 18.6 | 20.9            | 364     |

**Appendix 3.** Summary statistics for daily discharge, dissolved-solids concentration, and dissolved-solids load data at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Daily discharge, cubic feet per second |                 |        |      |                 |         | Daily dissolved-solids concentration, milligrams per liter |                 |        |       |                 |         | Daily dissolved-solids load, tons per day |                 |        |      |                 |         |
|---------------------------------------|---|--|-----------------|--------|------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|---|-----------------|--------|------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                                | 25th percentile | Median | Mean | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum | Minimum                                   | 25th percentile | Median | Mean | 75th percentile | Maximum |
| 11042000                              | San Luis Rey River at Oceanside, CA                         | 0.52                                   | 7.61            | 22.0   | 91.7 | 61.0            | 9,080   | 347  | 1,110           | 1,340  | 1,340 | 1,550           | 2,800   | 3.92                                      | 31.2            | 81.0   | 191  | 194             | 8,490   |
| 11066460                              | Santa Ana River at Metropolitan Water District Crossing, CA | 15.0                                   | 39.0            | 74.0   | 141  | 101             | 11,500  | 105  | 522             | 572    | 574   | 667             | 894     | 35.1                                      | 72.8            | 114    | 143  | 142             | 3,360   |
| 11074000                              | Santa Ana River below Prado Dam, CA                         | 2.41                                   | 142             | 207    | 308  | 299             | 6,440   | 323  | 546             | 580    | 576   | 625             | 791     | 3.35                                      | 226             | 317    | 463  | 461             | 9,440   |
| 11103000                              | Los Angeles River at Long Beach, CA                         | 5.31                                   | 28.0            | 53.0   | 423  | 82.3            | 52,000  | 56.0   | 587             | 680    | 647   | 774             | 1,420   | 20.3                                      | 52.1            | 101    | 217  | 142             | 9,560   |
| 11108500                              | Santa Clara River at Los Angeles-Ventura County Line, CA    | 1.91                                   | 19.0            | 28.0   | 64.5 | 49.0            | 7,900   | 374  | 899             | 994    | 1,040 | 1,190           | 1,750   | 9.02                                      | 56.2            | 76.7   | 136  | 126             | 7,970   |



**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States.

[Period for summary statistics varies by site and is listed in appendix 2. n/c, not computed because site is on a canal or river in which discharge is a diversion or is mostly from irrigation returns flows. AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1. One acre-foot per year equals  $1.381 \times 10^{-3}$  cubic foot per second]

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |       |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|-------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean  | 75th percentile | Maximum |
| 08217500                              | Rio Grande at Wagon Wheel Gap, CO                   | 290,000                              | 350,000         | 417,000   | 458,000   | 575,000         | 656,000   | 17,600                                      | 22,300          | 25,500  | 27,500  | 31,600          | 39,100  | 22.50  | 28.60           | 32.60  | 35.20 | 40.60           | 50.20   |
| 08251500                              | Rio Grande near Lobatos, CO                         | 68,700                               | 167,000         | 324,000   | 352,000   | 432,000         | 915,000   | 17,900                                      | 42,800          | 71,100  | 72,400  | 86,200          | 161,000 | 2.32   | 5.55            | 9.24   | 9.40  | 11.20           | 20.90   |
| 08263500                              | Rio Grande near Cerro, NM                           | 129,000                              | 448,000         | 468,000   | 572,000   | 766,000         | 923,000   | 30,600                                      | 80,800          | 86,500  | 116,000 | 163,000         | 240,000 | 3.63   | 9.57            | 10.30  | 13.70 | 19.30           | 28.50   |
| 08265000                              | Red River near Questa, NM                           | 10,200                               | 34,100          | 43,600    | 40,400    | 51,400          | 63,400    | 2,500                                       | 5,780           | 8,560   | 7,170   | 8,790           | 9,290   | 22.10  | 51.20           | 75.80  | 63.50 | 77.80           | 82.20   |
| 08266820                              | Red River below Fish Hatchery, near Questa, NM      | 30,400                               | 58,400          | 67,700    | 66,300    | 82,100          | 93,400    | 12,500                                      | 16,400          | 16,800  | 17,200  | 19,200          | 21,500  | 67.50  | 88.40           | 90.70  | 93.00 | 104.00          | 116.00  |
| 08267500                              | Rio Hondo near Valdez, NM                           | 7,240                                | 21,500          | 25,600    | 25,700    | 30,000          | 45,900    | 1,090                                       | 2,500           | 2,840   | 2,760   | 3,140           | 4,400   | 30.20  | 69.10           | 78.50  | 76.10 | 86.80           | 122.00  |
| 08276300                              | Rio Pueblo De Taos below Los Cordovas, NM           | 21,000                               | 27,800          | 64,700    | 59,100    | 70,900          | 140,000   | 8,560                                       | 10,700          | 18,100  | 16,600  | 21,000          | 28,200  | 22.50  | 28.10           | 47.60  | 43.70 | 55.30           | 74.20   |
| 08276500                              | Rio Grande below Taos Junction Bridge near Taos, NM | 205,000                              | 338,000         | 582,000   | 586,000   | 680,000         | 1,200,000 | 52,800                                      | 93,800          | 134,000 | 130,000 | 153,000         | 237,000 | 5.43   | 9.64            | 13.80  | 13.40 | 15.70           | 24.30   |
| 08279000                              | Embudo Creek at Dixon, NM                           | 14,300                               | 41,500          | 84,300    | 69,800    | 99,300          | 131,000   | 4,410                                       | 9,670           | 16,100  | 13,800  | 18,100          | 22,800  | 14.40  | 31.70           | 52.80  | 45.20 | 59.20           | 74.80   |
| 08284100                              | Rio Chama near La Puente, NM                        | 33,500                               | 183,000         | 259,000   | 260,000   | 334,000         | 495,000   | 6,070                                       | 20,800          | 27,900  | 26,700  | 32,800          | 44,300  | 12.60  | 43.30           | 58.00  | 55.60 | 68.30           | 92.30   |
| 08286500                              | Rio Chama above Abiquiu Reservoir, NM               | 191,000                              | 341,000         | 419,000   | 416,000   | 532,000         | 596,000   | 64,000                                      | 102,000         | 126,000 | 119,000 | 142,000         | 162,000 | 40.00  | 63.80           | 78.60  | 74.30 | 88.60           | 101.00  |
| 08287000                              | Rio Chama below Abiquiu Dam, NM                     | 205,000                              | 339,000         | 431,000   | 414,000   | 493,000         | 600,000   | 82,400                                      | 122,000         | 134,000 | 153,000 | 187,000         | 253,000 | 38.40  | 57.00           | 62.50  | 71.10 | 87.20           | 118.00  |
| 08290000                              | Rio Chama near Chamita, NM                          | 195,000                              | 351,000         | 457,000   | 446,000   | 557,000         | 668,000   | 57,600                                      | 103,000         | 128,000 | 124,000 | 143,000         | 184,000 | 18.30  | 32.90           | 40.60  | 39.30 | 45.60           | 58.40   |
| 08313000                              | Rio Grande at Otowi Bridge, NM                      | 435,000                              | 771,000         | 1,130,000 | 1,130,000 | 1,410,000       | 2,000,000 | 156,000                                     | 228,000         | 294,000 | 312,000 | 369,000         | 570,000 | 10.90  | 16.00           | 20.60  | 21.80 | 25.80           | 39.80   |
| 08317200                              | Santa Fe River above Cochiti Lake, NM               | 4,870                                | 6,240           | 8,390     | 9,420     | 10,200          | 29,100    | 2,370                                       | 2,710           | 3,490   | 3,530   | 4,070           | 5,850   | 10.30  | 11.70           | 15.10  | 15.30 | 17.60           | 25.30   |
| 08319000                              | Rio Grande at San Felipe, NM                        | 396,000                              | 732,000         | 1,090,000 | 1,110,000 | 1,390,000       | 1,800,000 | 127,000                                     | 217,000         | 294,000 | 293,000 | 353,000         | 452,000 | 7.92   | 13.50           | 18.20  | 18.20 | 21.90           | 28.10   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|---------|---------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 08324000                              | Jemez River near Jemez, NM                            | 16,000                               | 39,900          | 57,600    | 61,700    | 82,500          | 126,000   | 8,560                                       | 13,500          | 16,000  | 16,100  | 18,800          | 22,700    | 18.20  | 28.60           | 33.90  | 34.20  | 40.10           | 48.30   |
| 08329000                              | Jemez River below Jemez Canyon Dam, NM                | 14,100                               | 27,900          | 49,800    | 56,700    | 91,100          | 102,000   | 12,300                                      | 21,100          | 30,200  | 32,500  | 49,100          | 54,500    | 11.90  | 20.30           | 29.10  | 31.30  | 47.30           | 52.50   |
| 08330000                              | Rio Grande at Albuquerque, NM                         | 372,000                              | 634,000         | 1,030,000 | 1,030,000 | 1,340,000       | 1,800,000 | 129,000                                     | 213,000         | 344,000 | 331,000 | 418,000         | 561,000   | 7.40   | 12.20           | 19.70  | 19.00  | 24.00           | 32.20   |
| 08332010                              | Rio Grande floodway near Bernardo, NM                 | 180,000                              | 523,000         | 907,000   | 927,000   | 1,310,000       | 1,770,000 | 120,000                                     | 247,000         | 445,000 | 396,000 | 520,000         | 653,000   | 6.22   | 12.90           | 23.10  | 20.60  | 27.00           | 33.90   |
| 08353000                              | Rio Puerco near Bernardo, NM                          | 3,490                                | 10,400          | 19,800    | 20,800    | 26,800          | 45,800    | 7,830                                       | 20,100          | 36,900  | 37,600  | 51,800          | 78,900    | 1.07   | 2.74            | 5.02   | 5.12   | 7.05            | 10.70   |
| 08354000                              | Rio Salado near San Acacia, NM                        | 323                                  | 795             | 2,060     | 5,890     | 10,600          | 17,300    | 454   | 1,020           | 3,020   | 5,440   | 10,300          | 12,300    | 0.33   | 0.74            | 2.19   | 3.94   | 7.48            | 8.90    |
| 08354900                              | Rio Grande floodway at San Acacia, NM                 | 324,000                              | 604,000         | 1,020,000 | 1,040,000 | 1,310,000       | 2,260,000 | 160,000                                     | 305,000         | 537,000 | 555,000 | 737,000         | 1,250,000 | 5.97   | 11.40           | 20.10  | 20.70  | 27.50           | 46.50   |
| 08358400                              | Rio Grande floodway at San Marcial, NM                | 243,000                              | 481,000         | 919,000   | 896,000   | 1,250,000       | 1,730,000 | 188,000                                     | 308,000         | 536,000 | 489,000 | 587,000         | 782,000   | 6.79   | 11.10           | 19.30  | 17.70  | 21.20           | 28.20   |
| 08364000                              | Rio Grande at El Paso, TX                             | 156,000                              | 343,000         | 437,000   | 451,000   | 472,000         | 1,410,000 | 187,000                                     | 335,000         | 402,000 | 401,000 | 425,000         | 912,000   | 5.79   | 10.40           | 12.50  | 12.50  | 13.20           | 28.30   |
| 08477110                              | Mimbres River at Mimbres, NM                          | 3,690                                | 6,340           | 12,700    | 14,900    | 19,100          | 32,600    | 956   | 1,540           | 2,720   | 3,010   | 3,870           | 5,970     | 5.20   | 8.34            | 14.80  | 16.40  | 21.00           | 32.40   |
| 08481500                              | Tularosa Creek near Bent, NM                          | 7,860                                | 9,270           | 12,400    | 12,500    | 16,100          | 17,100    | 11,700                                      | 12,600          | 16,600  | 16,700  | 20,700          | 21,900    | 97.80  | 105.00          | 138.00 | 139.00 | 172.00          | 182.00  |
| 09010500                              | Colorado River below Baker Gulch, near Grand Lake, CO | 19,100                               | 33,800          | 43,000    | 46,600    | 59,900          | 77,100    | 1,010                                       | 1,530           | 1,920   | 2,020   | 2,480           | 3,210     | 19.00  | 28.70           | 35.90  | 37.80  | 46.40           | 60.20   |
| 09022000                              | Fraser River at upper station, near Winter Park, CO   | 4,230                                | 8,650           | 10,300    | 9,890     | 11,400          | 13,900    | 397   | 498             | 588     | 585     | 663             | 765       | 37.80  | 47.40           | 56.00  | 55.70  | 63.10           | 72.90   |
| 09024000                              | Fraser River at Winter Park, CO                       | 4,610                                | 9,240           | 11,500    | 15,300    | 20,000          | 34,100    | 486   | 676             | 824     | 908     | 1,130           | 1,440     | 17.60  | 24.50           | 29.90  | 32.90  | 41.00           | 52.10   |
| 09025000                              | Vasquez Creek at Winter Park, CO                      | 4,620                                | 6,840           | 8,030     | 11,200    | 14,800          | 25,300    | 212   | 267             | 304     | 383     | 496             | 743       | 7.63   | 9.62            | 10.90  | 13.80  | 17.80           | 26.70   |
| 09025400                              | Elk Creek near Fraser, CO                             | 843                                  | 1,100           | 1,670     | 2,240     | 3,630           | 5,250     | 34  | 43              | 60      | 76      | 117             | 168       | 4.77   | 5.95            | 8.44   | 10.70  | 16.40           | 23.50   |
| 09026500                              | St. Louis Creek near Fraser, CO                       | 5,680                                | 10,900          | 13,600    | 15,900    | 18,500          | 35,400    | 404   | 691             | 829     | 953     | 1,150           | 1,830     | 12.30  | 21.00           | 25.20  | 29.00  | 35.00           | 55.60   |
| 09032000                              | Ranch Creek near Fraser, CO                           | 1,980                                | 6,010           | 7,930     | 9,060     | 11,900          | 21,100    | 83  | 201             | 250     | 269     | 330             | 561       | 4.17   | 10.10           | 12.60  | 13.50  | 16.60           | 28.20   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |         | Annual dissolved-solids load, tons per year |                 |        |        |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|---------|---|-----------------|--------|--------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum                                     | 25th percentile | Median | Mean   | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09032100                              | Cabin Creek near Fraser, CO                      | 1,580                                | 3,130           | 4,120   | 4,370   | 4,800           | 8,080   | 52  | 94              | 118    | 124    | 136             | 222     | 10.60  | 19.40           | 24.30  | 25.60  | 27.90           | 45.60   |
| 09034250                              | Colorado River at Windy Gap, near Granby, CO     | 70,000                               | 108,000         | 152,000 | 186,000 | 218,000         | 527,000 | 7,840                                       | 10,800          | 14,500 | 16,500 | 18,600          | 38,500  | 9.94   | 13.60           | 18.30  | 20.90  | 23.60           | 48.80   |
| 09034500                              | Colorado River at Hot Sulphur Springs, CO        | 80,600                               | 103,000         | 131,000 | 173,000 | 200,000         | 534,000 | 9,520                                       | 12,200          | 14,600 | 17,200 | 20,100          | 42,800  | 11.50  | 14.80           | 17.70  | 20.90  | 24.30           | 51.90   |
| 09034900                              | Bobtail Creek near Jones PaSA, CO                | 3,480                                | 6,900           | 7,240   | 7,840   | 9,450           | 11,300  | 154   | 236             | 249    | 263    | 311             | 356     | 28.00  | 43.00           | 45.30  | 47.80  | 56.70           | 64.80   |
| 09035500                              | Williams Fork below Steelman Creek, CO           | 1,760                                | 12,300          | 15,100  | 15,800  | 19,800          | 28,200  | 96  | 439             | 549    | 556    | 707             | 920     | 5.87   | 26.90           | 33.70  | 34.10  | 43.40           | 56.40   |
| 09035700                              | Williams Fork above Darling Creek, near Leal, CO | 7,800                                | 24,700          | 29,100  | 30,500  | 35,300          | 51,700  | 427   | 935             | 1,150  | 1,150  | 1,320           | 1,690   | 12.20  | 26.70           | 32.80  | 32.80  | 37.80           | 48.30   |
| 09035800                              | Darling Creek near Leal, CO                      | 4,570                                | 5,740           | 6,460   | 7,120   | 8,420           | 12,500  | 227   | 289             | 316    | 324    | 369             | 467     | 26.00  | 33.00           | 36.00  | 37.00  | 42.10           | 53.30   |
| 09035900                              | South Fork of Williams Fork near Leal, CO        | 10,800                               | 21,200          | 22,800  | 24,700  | 29,500          | 39,800  | 730   | 1,080           | 1,200  | 1,230  | 1,370           | 1,670   | 26.70  | 39.50           | 43.80  | 45.20  | 50.30           | 61.00   |
| 09036000                              | Williams Fork near Leal, CO                      | 25,700                               | 61,500          | 69,700  | 75,600  | 93,800          | 127,000 | 1,680                                       | 3,090           | 3,410  | 3,530  | 4,240           | 5,040   | 18.80  | 34.50           | 38.10  | 39.40  | 47.40           | 56.30   |
| 09037500                              | Williams Fork near Parshall, CO                  | 27,800                               | 58,600          | 73,100  | 82,800  | 103,000         | 180,000 | 2,720                                       | 4,360           | 5,200  | 5,710  | 6,940           | 11,000  | 14.80  | 23.70           | 28.30  | 31.10  | 37.70           | 59.90   |
| 09038500                              | Williams Fork below Williams Fork Reservoir, CO  | 50,400                               | 78,000          | 87,600  | 98,400  | 112,000         | 184,000 | 4,650                                       | 7,450           | 8,370  | 9,140  | 10,100          | 16,300  | 20.20  | 32.40           | 36.40  | 39.70  | 43.90           | 70.90   |
| 09039000                              | Troublesome Creek near Pearmont, CO              | 13,600                               | 15,100          | 20,300  | 21,400  | 23,900          | 34,300  | 1,040                                       | 1,130           | 1,440  | 1,500  | 1,700           | 2,250   | 23.20  | 25.20           | 32.20  | 33.60  | 38.10           | 50.40   |
| 09041500                              | Muddy Creek at Kremmling, CO                     | 32,500                               | 40,800          | 54,700  | 63,800  | 74,200          | 125,000 | 17,800                                      | 20,400          | 26,600 | 29,300 | 32,900          | 51,800  | 61.30  | 70.20           | 91.60  | 101.00 | 114.00          | 178.00  |
| 09046490                              | Blue River at Blue River, CO                     | 7,350                                | 18,400          | 20,800  | 24,300  | 28,800          | 51,000  | 1,050                                       | 1,670           | 2,180  | 2,330  | 2,970           | 4,560   | 24.90  | 39.50           | 51.30  | 55.00  | 70.00           | 108.00  |
| 09046600                              | Blue River near Dillon, CO                       | 26,700                               | 58,100          | 66,700  | 72,500  | 82,800          | 122,000 | 4,120                                       | 5,940           | 6,860  | 7,580  | 9,260           | 11,100  | 34.00  | 49.10           | 56.70  | 62.60  | 76.60           | 91.50   |
| 09047500                              | Snake River near Montezuma, CO                   | 18,300                               | 40,600          | 44,400  | 48,200  | 55,700          | 69,300  | 2,020                                       | 2,670           | 3,080  | 3,260  | 3,870           | 4,680   | 35.10  | 46.30           | 53.50  | 56.50  | 67.10           | 81.20   |
| 09047700                              | Keystone Gulch near Dillon, CO                   | 1,930                                | 4,030           | 4,590   | 5,030   | 5,430           | 9,520   | 144   | 218             | 259    | 280    | 314             | 448     | 15.80  | 23.90           | 28.40  | 30.70  | 34.50           | 49.20   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|-----------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09050100                              | Tenmile Creek below North Tenmile Creek, at Frisco, CO | 34,800                               | 61,800          | 71,100  | 78,200  | 89,700          | 133,000   | 17,100                                      | 19,500          | 26,500  | 26,800  | 32,100          | 40,700  | 184.00   | 209.00          | 284.00 | 287.00 | 344.00          | 436.00  |
| 09050700                              | Blue River below Dillon, CO                            | 53,100                               | 94,900          | 134,000 | 165,000 | 228,000         | 391,000   | 11,300                                      | 18,800          | 25,400  | 28,700  | 36,200          | 54,000  | 33.60  | 56.20           | 75.80  | 85.80  | 108.00          | 161.00  |
| 09051050                              | Straight Creek below Laskey Gulch near Dillon, CO      | 3,550                                | 8,360           | 9,640   | 10,600  | 11,400          | 18,500    | 656   | 798             | 976     | 1,030   | 1,220           | 1,590   | 35.80  | 43.60           | 53.40  | 56.50  | 66.80           | 87.10   |
| 09052000                              | Rock Creek near Dillon, CO                             | 11,700                               | 13,100          | 14,600  | 15,700  | 17,500          | 23,500    | 461   | 508             | 537     | 581     | 637             | 805     | 29.20  | 32.10           | 34.00  | 36.80  | 40.30           | 51.00   |
| 09052400                              | Boulder Creek at upper station, near Dillon, CO        | 8,770                                | 10,000          | 10,900  | 12,700  | 15,300          | 18,900    | 321   | 360             | 381     | 438     | 523             | 624     | 37.50  | 42.00           | 44.50  | 51.20  | 61.10           | 72.90   |
| 09052800                              | Slate Creek at upper station, near Dillon, CO          | 12,600                               | 14,900          | 16,800  | 18,700  | 22,100          | 29,100    | 493   | 562             | 613     | 677     | 781             | 972     | 34.70  | 39.60           | 43.20  | 47.60  | 55.00           | 68.50   |
| 09054000                              | Black Creek below Black Lake, near Dillon, CO          | 17,400                               | 18,200          | 19,900  | 22,600  | 27,100          | 33,900    | 446   | 711             | 754     | 738     | 800             | 914     | 29.70  | 47.40           | 50.30  | 49.20  | 53.40           | 60.90   |
| 09055300                              | Cataract Creek near Kremmling, CO                      | 9,370                                | 10,900          | 15,300  | 14,400  | 17,100          | 20,600    | 290   | 416             | 571     | 510     | 595             | 689     | 24.20  | 34.70           | 47.60  | 42.50  | 49.60           | 57.40   |
| 09057500                              | Blue River below Green Mountain Reservoir, CO          | 148,000                              | 226,000         | 291,000 | 322,000 | 414,000         | 686,000   | 25,000                                      | 32,100          | 39,700  | 46,500  | 56,100          | 85,400  | 41.80  | 53.60           | 66.30  | 77.70  | 93.70           | 143.00  |
| 09058000                              | Colorado River near Kremmling, CO                      | 379,000                              | 498,000         | 687,000 | 761,000 | 923,000         | 1,720,000 | 77,100                                      | 102,000         | 130,000 | 137,000 | 159,000         | 269,000 | 32.40  | 43.00           | 54.60  | 57.60  | 66.70           | 113.00  |
| 09058500                              | Piney River below Piney Lake, near Minturn, CO         | 8,580                                | 15,300          | 17,900  | 18,900  | 22,800          | 29,900    | 330   | 500             | 560     | 595     | 694             | 957     | 25.40  | 38.50           | 43.10  | 45.80  | 53.40           | 73.60   |
| 09058610                              | Dickson Creek near Vail, CO                            | 680                                  | 1,370           | 1,900   | 2,030   | 2,420           | 4,150     | 199   | 336             | 470     | 497     | 577             | 922     | 58.40  | 98.40           | 138.00 | 146.00 | 169.00          | 270.00  |
| 09058700                              | Freeman Creek near Minturn, CO                         | 330                                  | 634             | 841     | 1,050   | 1,380           | 2,570     | 47  | 74              | 103     | 115     | 145             | 231     | 16.00  | 25.10           | 34.90  | 39.10  | 49.20           | 78.70   |
| 09058800                              | East Meadow Creek near Minturn, CO                     | 1,340                                | 2,400           | 3,020   | 3,100   | 3,590           | 4,840     | 64  | 105             | 120     | 128     | 140             | 213     | 17.80  | 29.00           | 33.30  | 35.40  | 38.80           | 58.90   |
| 09059500                              | Piney River near state bridge, CO                      | 25,300                               | 42,600          | 54,700  | 56,200  | 72,600          | 91,900    | 5,110                                       | 7,140           | 8,470   | 8,490   | 10,000          | 11,800  | 59.30  | 82.80           | 98.30  | 98.50  | 116.00          | 137.00  |
| 09060550                              | Rock Creek at Crater, CO                               | 12,900                               | 19,800          | 22,400  | 23,800  | 29,100          | 37,900    | 1,150                                       | 1,620           | 1,750   | 1,850   | 2,090           | 2,850   | 15.90  | 22.30           | 24.10  | 25.50  | 28.80           | 39.30   |
| 09060770                              | Rock Creek at McCoy, CO                                | 20,600                               | 33,700          | 41,800  | 47,500  | 65,800          | 83,200    | 5,320                                       | 7,440           | 8,910   | 10,300  | 14,700          | 17,400  | 26.90  | 37.60           | 45.00  | 52.00  | 74.10           | 87.80   |
| 09063000                              | Eagle River at Red Cliff, CO                           | 10,700                               | 21,400          | 25,400  | 29,500  | 36,600          | 59,800    | 1,740                                       | 2,960           | 3,310   | 3,710   | 4,530           | 6,450   | 24.90  | 42.20           | 47.20  | 53.00  | 64.70           | 92.10   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |         |         |                 |         | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|---------|---------|-----------------|---------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name                                     | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09063200                              | Wearyman Creek near Red Cliff, CO             | 2,390                                | 4,320           | 5,430   | 6,080   | 7,570           | 12,600  | 564   | 890             | 1,090   | 1,170   | 1,390           | 2,100   | 59.20  | 93.40           | 114.00 | 123.00 | 145.00          | 220.00  |
| 09063400                              | Turkey Creek near Red Cliff, CO               | 6,680                                | 11,200          | 14,900  | 16,400  | 21,100          | 35,800  | 1,450                                       | 2,150           | 2,770   | 2,990   | 3,750           | 5,790   | 60.80  | 90.20           | 116.00 | 126.00 | 157.00          | 243.00  |
| 09063900                              | Missouri Creek near Gold Park, CO             | 2,770                                | 4,100           | 4,690   | 5,800   | 6,130           | 15,000  | 72  | 99              | 109     | 133     | 134             | 338     | 11.30  | 15.40           | 17.00  | 20.70  | 20.90           | 52.90   |
| 09064000                              | Homestake Creek at Gold Park, CO              | 10,100                               | 14,500          | 17,000  | 21,700  | 23,600          | 57,500  | 274   | 375             | 426     | 527     | 551             | 1,350   | 7.60   | 10.40           | 11.80  | 14.60  | 15.30           | 37.50   |
| 09064500                              | Homestake Creek near Red Cliff, CO            | 13,900                               | 22,100          | 28,400  | 33,300  | 39,800          | 84,000  | 433   | 638             | 804     | 933     | 1,070           | 2,400   | 7.43   | 11.00           | 13.80  | 16.00  | 18.40           | 41.30   |
| 09064600                              | Eagle River near Minturn, CO                  | 39,200                               | 69,300          | 81,000  | 91,400  | 116,000         | 142,000 | 4,750                                       | 8,010           | 8,920   | 9,320   | 11,500          | 12,500  | 25.50  | 43.10           | 48.00  | 50.10  | 61.70           | 67.20   |
| 09065100                              | Cross Creek near Minturn, CO                  | 18,300                               | 29,900          | 36,300  | 38,000  | 45,300          | 60,300  | 594   | 837             | 968     | 994     | 1,150           | 1,400   | 17.40  | 24.50           | 28.30  | 29.10  | 33.60           | 41.00   |
| 09065500                              | Gore Creek at upper station, near Minturn, CO | 9,900                                | 17,900          | 20,600  | 21,900  | 27,100          | 32,500  | 439   | 615             | 714     | 744     | 906             | 960     | 30.50  | 42.70           | 49.60  | 51.70  | 62.90           | 66.60   |
| 09066000                              | Black Gore Creek near Minturn, CO             | 5,630                                | 8,860           | 11,900  | 12,400  | 16,200          | 22,000  | 795   | 1,170           | 1,370   | 1,510   | 1,930           | 2,540   | 63.10  | 92.60           | 109.00 | 120.00 | 153.00          | 202.00  |
| 09066100                              | Bighorn Creek near Minturn, CO                | 3,460                                | 6,290           | 6,920   | 7,480   | 8,770           | 13,500  | 157   | 240             | 258     | 273     | 311             | 427     | 34.50  | 53.00           | 56.90  | 60.10  | 68.40           | 94.00   |
| 09066150                              | Pitkin Creek near Minturn, CO                 | 4,310                                | 5,970           | 7,730   | 8,630   | 10,900          | 16,500  | 252   | 293             | 363     | 389     | 451             | 640     | 47.50  | 55.10           | 68.30  | 73.00  | 84.80           | 120.00  |
| 09066200                              | Booth Creek near Minturn, CO                  | 4,240                                | 6,880           | 8,320   | 8,420   | 9,840           | 13,700  | 309   | 411             | 467     | 483     | 537             | 759     | 51.40  | 68.30           | 77.50  | 80.30  | 89.10           | 126.00  |
| 09066300                              | Middle Creek near Minturn, CO                 | 1,600                                | 2,730           | 3,360   | 3,650   | 4,790           | 5,910   | 222   | 337             | 420     | 440     | 528             | 697     | 37.40  | 56.70           | 70.70  | 74.10  | 88.80           | 117.00  |
| 09066310                              | Gore Creek, lower station, at Vail, CO        | 56,200                               | 63,800          | 80,100  | 85,700  | 114,000         | 120,000 | 7,080                                       | 8,020           | 8,950   | 9,680   | 11,600          | 12,900  | 91.80  | 104.00          | 116.00 | 126.00 | 150.00          | 167.00  |
| 09066400                              | Red Sandstone Creek near Minturn, CO          | 2,620                                | 4,830           | 6,410   | 6,440   | 7,870           | 10,500  | 161   | 255             | 320     | 320     | 371             | 488     | 21.90  | 34.90           | 43.70  | 43.70  | 50.70           | 66.70   |
| 09067000                              | Beaver Creek at Avon, CO                      | 2,170                                | 7,180           | 9,180   | 9,300   | 10,900          | 16,500  | 268   | 1,060           | 1,200   | 1,220   | 1,470           | 1,780   | 18.10  | 71.60           | 81.20  | 82.70  | 99.60           | 121.00  |
| 09067005                              | Eagle River at Avon, CO                       | 200,000                              | 209,000         | 259,000 | 279,000 | 356,000         | 391,000 | 28,000                                      | 29,700          | 33,300  | 35,000  | 41,500          | 43,600  | 71.00  | 75.30           | 84.20  | 88.70  | 105.00          | 110.00  |
| 09067200                              | Lake Creek near Edwards, CO                   | 19,800                               | 36,800          | 40,700  | 42,100  | 47,500          | 63,100  | 4,940                                       | 7,130           | 8,250   | 8,110   | 9,270           | 11,000  | 101.00   | 145.00          | 168.00 | 165.00 | 189.00          | 224.00  |
| 09070000                              | Eagle River below Gypsum, CO                  | 266,000                              | 321,000         | 376,000 | 439,000 | 545,000         | 785,000 | 128,000                                     | 142,000         | 161,000 | 162,000 | 167,000         | 220,000 | 135.00   | 150.00          | 170.00 | 171.00 | 177.00          | 233.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |           |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|-----------|-----------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09070500                              | Colorado River near Dotsero, CO                         | 650,000                              | 1,040,000       | 1,400,000 | 1,500,000 | 1,790,000       | 3,030,000 | 269,000                                     | 367,000         | 410,000   | 423,000   | 456,000         | 630,000   | 61.20  | 83.50           | 93.30  | 96.30  | 104.00          | 143.00  |
| 09071300                              | Grizzly Creek near Glenwood Springs, CO                 | 5,990                                | 6,800           | 8,560     | 9,720     | 10,800          | 17,200    | 983   | 1,210           | 1,430     | 1,680     | 2,040           | 2,870     | 172.00   | 211.00          | 249.00 | 294.00 | 357.00          | 501.00  |
| 09073300                              | Roaring Fork River above Difficult Creek near Aspen, CO | 19,400                               | 31,900          | 39,500    | 56,200    | 81,300          | 140,000   | 1,070                                       | 1,520           | 1,750     | 2,100     | 2,720           | 3,980     | 14.10  | 20.00           | 23.10  | 27.70  | 35.90           | 52.50   |
| 09073400                              | Roaring Fork River near Aspen, CO                       | 29,700                               | 53,900          | 64,000    | 79,400    | 102,000         | 166,000   | 1,930                                       | 2,850           | 3,140     | 3,470     | 4,100           | 5,520     | 17.80  | 26.40           | 29.10  | 32.10  | 38.00           | 51.10   |
| 09074000                              | Hunter Creek near Aspen, CO                             | 10,300                               | 20,900          | 30,000    | 31,400    | 39,300          | 58,900    | 453   | 775             | 983       | 1,060     | 1,290           | 1,890     | 11.00  | 18.90           | 23.90  | 25.90  | 31.30           | 45.90   |
| 09074800                              | Castle Creek above Aspen, CO                            | 23,500                               | 26,900          | 31,300    | 34,700    | 41,400          | 56,400    | 5,410                                       | 6,030           | 6,650     | 7,170     | 8,240           | 9,970     | 168.00   | 187.00          | 207.00 | 223.00 | 256.00          | 310.00  |
| 09075700                              | Maroon Creek above Aspen, CO                            | 36,600                               | 42,300          | 44,000    | 53,700    | 70,400          | 80,900    | 11,400                                      | 13,000          | 14,300    | 16,400    | 19,200          | 24,400    | 322.00   | 368.00          | 403.00 | 464.00 | 543.00          | 690.00  |
| 09080400                              | Fryingpan River near Ruedi, CO                          | 67,600                               | 91,000          | 128,000   | 131,000   | 161,000         | 209,000   | 13,100                                      | 17,000          | 22,900    | 23,500    | 27,600          | 37,600    | 54.90  | 71.40           | 96.30  | 98.60  | 116.00          | 158.00  |
| 09081600                              | Crystal River above Avalanche Creek, near Redstone, CO  | 95,900                               | 163,000         | 196,000   | 218,000   | 292,000         | 332,000   | 30,400                                      | 41,200          | 45,200    | 48,400    | 58,700          | 66,700    | 182.00   | 247.00          | 271.00 | 290.00 | 351.00          | 399.00  |
| 09085000                              | Roaring Fork River at Glenwood Springs, CO              | 352,000                              | 616,000         | 858,000   | 869,000   | 1,070,000       | 1,520,000 | 190,000                                     | 246,000         | 295,000   | 289,000   | 322,000         | 391,000   | 131.00   | 169.00          | 203.00 | 199.00 | 222.00          | 270.00  |
| 09085100                              | Colorado River below Glenwood Springs, CO               | 1,470,000                            | 1,940,000       | 2,510,000 | 2,620,000 | 3,290,000       | 4,550,000 | 931,000                                     | 990,000         | 1,070,000 | 1,120,000 | 1,250,000       | 1,490,000 | 155.00   | 165.00          | 178.00 | 187.00 | 208.00          | 248.00  |
| 09089500                              | West Divide Creek near Raven, CO                        | 10,100                               | 20,500          | 29,700    | 32,400    | 47,900          | 55,300    | 1,860                                       | 3,570           | 5,360     | 6,010     | 7,770           | 11,300    | 28.80  | 55.30           | 82.90  | 93.00  | 120.00          | 174.00  |
| 09093000                              | Parachute Creek near Parachute, CO                      | 1,570                                | 12,000          | 31,400    | 35,500    | 60,500          | 86,900    | 969   | 7,060           | 16,900    | 20,100    | 35,700          | 49,600    | 6.87   | 50.10           | 120.00 | 143.00 | 253.00          | 352.00  |
| 09093700                              | Colorado River near De Beque, CO                        | 1,290,000                            | 2,000,000       | 2,730,000 | 2,810,000 | 3,540,000       | 5,300,000 | 1,060,000                                   | 1,240,000       | 1,420,000 | 1,410,000 | 1,520,000       | 1,860,000 | 144.00   | 168.00          | 193.00 | 191.00 | 206.00          | 253.00  |
| 09095500                              | Colorado River near Cameo, CO                           | 1,270,000                            | 1,970,000       | 2,600,000 | 2,770,000 | 3,300,000       | 5,510,000 | 995,000                                     | 1,300,000       | 1,470,000 | 1,460,000 | 1,580,000       | 1,990,000 | 124.00   | 162.00          | 183.00 | 181.00 | 196.00          | 247.00  |
| 09105000                              | Plateau Creek near Cameo, CO                            | 37,100                               | 70,700          | 101,000   | 142,000   | 244,000         | 307,000   | 22,600                                      | 37,400          | 47,200    | 55,200    | 80,400          | 93,300    | 38.10  | 63.20           | 79.70  | 93.20  | 136.00          | 158.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |         |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|---------|-----------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09106150                              | Colorado River below Grand Valley Diversion near Palisade, CO | 679,000                              | 1,420,000       | 1,790,000 | 2,110,000 | 2,920,000       | 3,690,000 | 527,000                                     | 815,000         | 977,000 | 1,020,000 | 1,280,000       | 1,510,000 | 60.20  | 93.10           | 112.00 | 117.00 | 146.00          | 172.00  |
| 09107000                              | Taylor River at Taylor Park, CO                               | 40,800                               | 62,300          | 69,300    | 78,100    | 95,500          | 143,000   | 3,470                                       | 4,740           | 5,000   | 5,440     | 6,420           | 8,550     | 27.10  | 37.00           | 39.00  | 42.50  | 50.10           | 66.80   |
| 09109000                              | Taylor River below Taylor Park Reservoir, CO                  | 83,000                               | 112,000         | 136,000   | 152,000   | 189,000         | 247,000   | 6,990                                       | 8,800           | 10,600  | 11,200    | 13,900          | 17,300    | 27.50  | 34.60           | 41.80  | 44.20  | 54.70           | 68.20   |
| 09110000                              | Taylor River at Almont, CO                                    | 127,000                              | 171,000         | 207,000   | 242,000   | 312,000         | 398,000   | 13,900                                      | 18,000          | 20,900  | 23,500    | 29,100          | 35,500    | 29.20  | 37.70           | 43.80  | 49.30  | 60.90           | 74.50   |
| 09111500                              | Slate River near Crested Butte, CO                            | 44,600                               | 80,200          | 88,100    | 96,900    | 116,000         | 155,000   | 4,640                                       | 6,720           | 7,210   | 7,570     | 8,680           | 10,500    | 67.40  | 97.60           | 105.00 | 110.00 | 126.00          | 153.00  |
| 09112200                              | East River below Cement Creek, near Crested Butte, CO         | 102,000                              | 185,000         | 203,000   | 233,000   | 278,000         | 384,000   | 19,200                                      | 29,100          | 31,700  | 34,500    | 39,600          | 50,100    | 80.60  | 122.00          | 133.00 | 145.00 | 167.00          | 211.00  |
| 09112500                              | East River at Almont, CO                                      | 102,000                              | 179,000         | 205,000   | 241,000   | 319,000         | 416,000   | 21,900                                      | 32,800          | 38,000  | 42,100    | 52,600          | 65,000    | 75.80  | 113.00          | 132.00 | 146.00 | 182.00          | 225.00  |
| 09114500                              | Gunnison River near Gunnison, CO                              | 206,000                              | 389,000         | 459,000   | 540,000   | 720,000         | 926,000   | 38,000                                      | 61,500          | 71,500  | 80,000    | 101,000         | 126,000   | 37.50  | 60.70           | 70.70  | 79.10  | 100.00          | 124.00  |
| 09115500                              | Tomichi Creek at Sargents, CO                                 | 13,300                               | 33,800          | 38,700    | 42,300    | 52,700          | 74,300    | 1,890                                       | 4,060           | 4,600   | 4,830     | 5,900           | 7,610     | 12.70  | 27.30           | 30.90  | 32.40  | 39.60           | 51.10   |
| 09118450                              | Cochetopa Creek below Rock Creek, near Parlin, CO             | 12,500                               | 22,100          | 29,300    | 31,800    | 40,700          | 76,900    | 2,410                                       | 4,200           | 4,950   | 5,140     | 6,310           | 9,600     | 7.21   | 12.60           | 14.80  | 15.40  | 18.90           | 28.70   |
| 09119000                              | Tomichi Creek at Gunnison, CO                                 | 39,200                               | 87,200          | 120,000   | 132,000   | 162,000         | 346,000   | 9,520                                       | 19,900          | 25,900  | 27,600    | 33,500          | 62,000    | 8.98   | 18.70           | 24.40  | 26.00  | 31.50           | 58.50   |
| 09124500                              | Lake Fork at Gateview, CO                                     | 57,700                               | 127,000         | 156,000   | 169,000   | 213,000         | 300,000   | 8,290                                       | 13,900          | 16,500  | 17,500    | 21,200          | 29,200    | 24.80  | 41.70           | 49.30  | 52.30  | 63.40           | 87.40   |
| 09126000                              | Cimarron River near Cimarron, CO                              | 34,000                               | 57,100          | 68,500    | 71,900    | 83,100          | 130,000   | 3,250                                       | 4,880           | 5,620   | 5,820     | 6,610           | 9,570     | 48.80  | 73.30           | 84.30  | 87.40  | 99.30           | 144.00  |
| 09128000                              | Gunnison River below Gunnison Tunnel, CO                      | 245,000                              | 606,000         | 758,000   | 912,000   | 1,200,000       | 2,130,000 | 42,700                                      | 96,100          | 116,000 | 139,000   | 182,000         | 311,000   | 10.80  | 24.20           | 29.30  | 35.20  | 46.00           | 78.60   |
| 09128500                              | Smith Fork near Crawford, CO                                  | 14,500                               | 23,900          | 37,700    | 35,900    | 46,700          | 61,500    | 1,430                                       | 2,200           | 3,200   | 3,410     | 4,530           | 6,040     | 33.40  | 51.30           | 74.80  | 79.70  | 106.00          | 141.00  |
| 09132500                              | North Fork Gunnison River near Somerset, CO                   | 116,000                              | 249,000         | 348,000   | 364,000   | 489,000         | 601,000   | 13,100                                      | 27,000          | 37,400  | 39,500    | 51,800          | 65,300    | 24.90  | 51.30           | 71.10  | 75.00  | 98.50           | 124.00  |
| 09134000                              | Minnesota Creek near Paonia, CO                               | 4,150                                | 9,120           | 11,800    | 14,900    | 19,500          | 33,900    | 1,490                                       | 2,420           | 3,360   | 4,010     | 5,290           | 9,700     | 36.00  | 58.50           | 81.40  | 97.20  | 128.00          | 235.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |           |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |          |          |                 |          |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|-----------|-----------|-----------------|-----------|--|-----------------|----------|----------|-----------------|----------|
| USGS site identifier                  | Site name                                     | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median   | Mean     | 75th percentile | Maximum  |
| 09135900                              | Leroux Creek at Hotchkiss, CO                 | 4,120                                | 7,580           | 8,910     | 20,800    | 36,700          | 40,000    | 4,280                                       | 5,290           | 8,560     | 9,930     | 14,500          | 17,100    | 64.10  | 79.30           | 128.00   | 149.00   | 218.00          | 256.00   |
| 09143000                              | Surface Creek near Cedaredge, CO              | 16,800                               | 24,400          | 30,800    | 33,600    | 43,900          | 49,700    | 1,570                                       | 2,220           | 2,820     | 3,050     | 3,880           | 4,680     | 57.30  | 80.90           | 103.00   | 111.00   | 141.00          | 171.00   |
| 09143500                              | Surface Creek at Cedaredge, CO                | 10,700                               | 15,000          | 22,400    | 22,700    | 29,800          | 36,000    | 1,130                                       | 1,500           | 2,580     | 2,410     | 3,100           | 3,910     | 28.90  | 38.40           | 66.20    | 61.90    | 79.60           | 100.00   |
| 09144250                              | Gunnison River at Delta, CO                   | 435,000                              | 937,000         | 1,100,000 | 1,500,000 | 2,090,000       | 3,390,000 | 346,000                                     | 538,000         | 660,000   | 748,000   | 884,000         | 1,480,000 | 61.50  | 95.60           | 117.00   | 133.00   | 157.00          | 263.00   |
| 09146200                              | Uncompahgre River near Ridgway, CO            | 54,400                               | 97,800          | 118,000   | 122,000   | 140,000         | 196,000   | 31,800                                      | 44,400          | 49,000    | 49,600    | 56,200          | 66,000    | 214.00   | 298.00          | 329.00   | 333.00   | 377.00          | 443.00   |
| 09147000                              | Dallas Creek near Ridgway, CO                 | 10,000                               | 18,200          | 24,700    | 29,400    | 40,700          | 62,600    | 6,720                                       | 11,300          | 14,100    | 15,700    | 20,900          | 27,500    | 69.20  | 116.00          | 145.00   | 162.00   | 215.00          | 283.00   |
| 09147025                              | Uncompahgre River below Ridgway Reservoir, CO | 82,800                               | 114,000         | 136,000   | 141,000   | 155,000         | 225,000   | 48,000                                      | 63,400          | 69,600    | 75,600    | 84,300          | 110,000   | 185.00   | 244.00          | 268.00   | 291.00   | 324.00          | 425.00   |
| 09147500                              | Uncompahgre River at Colona, CO               | 84,100                               | 131,000         | 182,000   | 193,000   | 234,000         | 414,000   | 44,700                                      | 60,000          | 81,600    | 82,900    | 97,700          | 148,000   | 99.80  | 134.00          | 182.00   | 185.00   | 218.00          | 331.00   |
| 09149500                              | Uncompahgre River at Delta, CO                | 122,000                              | 170,000         | 215,000   | 232,000   | 279,000         | 498,000   | 212,000                                     | 258,000         | 309,000   | 311,000   | 356,000         | 472,000   | 190.00   | 232.00          | 277.00   | 279.00   | 319.00          | 423.00   |
| 09152500                              | Gunnison River near Grand Junction, CO        | 766,000                              | 1,310,000       | 1,700,000 | 1,870,000 | 2,440,000       | 3,760,000 | 729,000                                     | 1,040,000       | 1,170,000 | 1,200,000 | 1,380,000       | 1,740,000 | 91.90  | 131.00          | 148.00   | 151.00   | 174.00          | 219.00   |
| 09153290                              | Reed Wash near Mack, CO                       | 25,400                               | 29,000          | 30,600    | 30,300    | 31,100          | 36,800    | 42,800                                      | 47,900          | 51,100    | 49,900    | 52,700          | 54,200    | 2,730.00   | 3,050.00        | 3,260.00 | 3,180.00 | 3,360.00        | 3,450.00 |
| 09153300                              | Reed Wash near Loma, CO                       | 64,000                               | 64,600          | 70,400    | 70,300    | 72,600          | 82,300    | 112,000                                     | 130,000         | 135,000   | 133,000   | 140,000         | 142,000   | 3,820.00   | 4,440.00        | 4,620.00 | 4,550.00 | 4,760.00        | 4,850.00 |
| 09163490                              | Salt Creek near Mack, CO                      | 56,600                               | 63,300          | 67,200    | 67,900    | 71,600          | 87,000    | 111,000                                     | 122,000         | 128,000   | 128,000   | 134,000         | 149,000   | 255.00   | 280.00          | 294.00   | 295.00   | 307.00          | 341.00   |
| 09163500                              | Colorado River near Colorado-Utah State Line  | 1,750,000                            | 3,320,000       | 4,520,000 | 4,850,000 | 6,140,000       | 9,770,000 | 1,840,000                                   | 2,750,000       | 3,170,000 | 3,130,000 | 3,540,000       | 4,430,000 | 103.00   | 154.00          | 178.00   | 175.00   | 198.00          | 248.00   |
| 09165000                              | Dolores River below Rico, CO                  | 58,100                               | 70,900          | 84,700    | 99,900    | 129,000         | 141,000   | 10,900                                      | 13,400          | 14,400    | 15,700    | 19,000          | 19,900    | 104.00   | 127.00          | 137.00   | 150.00   | 181.00          | 190.00   |
| 09166500                              | Dolores River at Dolores, CO                  | 144,000                              | 233,000         | 287,000   | 334,000   | 458,000         | 471,000   | 30,000                                      | 46,100          | 49,000    | 56,100    | 75,800          | 78,200    | 59.50  | 91.40           | 97.30    | 111.00   | 150.00          | 155.00   |
| 09166950                              | Lost Canyon Creek near Dolores, CO            | 134                                  | 5,550           | 10,600    | 15,200    | 27,800          | 36,000    | 29  | 396             | 889       | 1,060     | 1,730           | 2,330     | 0.41   | 5.56            | 12.50    | 14.90    | 24.20           | 32.70    |
| 09169500                              | Dolores River at Bedrock, CO                  | 20,800                               | 68,900          | 189,000   | 260,000   | 437,000         | 724,000   | 16,600                                      | 40,300          | 78,700    | 97,600    | 148,000         | 226,000   | 8.22   | 19.90           | 38.90    | 48.20    | 72.90           | 112.00   |
| 09171100                              | Dolores River near Bedrock, CO                | 19,300                               | 69,400          | 193,000   | 268,000   | 443,000         | 748,000   | 59,200                                      | 156,000         | 206,000   | 218,000   | 280,000         | 366,000   | 27.60  | 72.60           | 96.00    | 102.00   | 130.00          | 171.00   |



**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |            | Annual dissolved-solids load, tons per year |                 |           |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|------------|---|-----------------|-----------|-----------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name                                       | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum    | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09172500                              | San Miguel River near Placerville, CO           | 64,900                               | 142,000         | 160,000   | 176,000   | 216,000         | 269,000    | 23,200                                      | 41,600          | 44,600    | 47,700    | 55,000          | 66,800    | 74.70  | 134.00          | 144.00 | 154.00 | 177.00          | 216.00  |
| 09177000                              | San Miguel River at Uravan, CO                  | 64,700                               | 182,000         | 255,000   | 282,000   | 376,000         | 550,000    | 57,600                                      | 90,500          | 118,000   | 128,000   | 153,000         | 207,000   | 38.40  | 60.40           | 78.40  | 85.60  | 102.00          | 138.00  |
| 09180000                              | Dolores River near Cisco, UT                    | 77,800                               | 296,000         | 505,000   | 615,000   | 892,000         | 1,480,000  | 87,300                                      | 274,000         | 383,000   | 414,000   | 594,000         | 774,000   | 19.10  | 59.80           | 83.50  | 90.50  | 130.00          | 169.00  |
| 09180500                              | Colorado River near Cisco, UT                   | 1,850,000                            | 3,490,000       | 4,670,000 | 5,070,000 | 6,510,000       | 10,800,000 | 1,960,000                                   | 3,010,000       | 3,420,000 | 3,470,000 | 3,820,000       | 5,090,000 | 81.20  | 125.00          | 142.00 | 144.00 | 158.00          | 211.00  |
| 09183000                              | Courthouse Wash near Moab, UT                   | 179                                  | 878             | 1,020     | 1,090     | 1,260           | 2,280      | 131   | 604             | 707       | 745       | 858             | 1,530     | 0.81   | 3.73            | 4.36   | 4.60   | 5.30            | 9.47    |
| 09184000                              | Mill Creek near Moab, UT                        | 3,840                                | 6,240           | 8,910     | 9,320     | 11,000          | 18,300     | 889   | 1,310           | 1,730     | 1,800     | 2,300           | 2,760     | 11.90  | 17.50           | 23.10  | 24.10  | 30.70           | 36.90   |
| 09205000                              | New Fork River near Big Piney, WY               | 227,000                              | 474,000         | 578,000   | 590,000   | 687,000         | 932,000    | 37,100                                      | 57,100          | 61,000    | 62,000    | 70,900          | 80,300    | 30.20  | 46.40           | 49.60  | 50.40  | 57.70           | 65.30   |
| 09209400                              | Green River near La Barge, WY                   | 484,000                              | 787,000         | 1,120,000 | 1,120,000 | 1,370,000       | 2,110,000  | 148,000                                     | 221,000         | 286,000   | 293,000   | 340,000         | 508,000   | 37.80  | 56.40           | 73.20  | 74.90  | 87.00           | 130.00  |
| 09211200                              | Green River below Fontenelle Reservoir, WY      | 441,000                              | 697,000         | 1,190,000 | 1,130,000 | 1,430,000       | 2,220,000  | 145,000                                     | 230,000         | 345,000   | 334,000   | 430,000         | 576,000   | 34.00  | 53.60           | 80.70  | 78.10  | 100.00          | 134.00  |
| 09215550                              | Big Sandy River below Farson, WY                | 8,690                                | 16,300          | 26,900    | 34,800    | 57,300          | 70,600     | 20,000                                      | 29,800          | 44,300    | 45,000    | 62,000          | 74,900    | 18.30  | 27.10           | 40.40  | 41.00  | 56.50           | 68.30   |
| 09216050                              | Big Sandy River at Gasson Bridge, near Eden, WY | 22,200                               | 36,200          | 47,600    | 54,900    | 77,500          | 101,000    | 102,000                                     | 123,000         | 146,000   | 145,000   | 161,000         | 192,000   | 59.10  | 71.60           | 85.10  | 84.30  | 93.40           | 112.00  |
| 09217000                              | Green River near Green River, WY                | 417,000                              | 693,000         | 1,170,000 | 1,160,000 | 1,500,000       | 2,240,000  | 221,000                                     | 339,000         | 484,000   | 473,000   | 595,000         | 747,000   | 15.80  | 24.20           | 34.60  | 33.80  | 42.50           | 53.40   |
| 09222000                              | Blacks Fork near Lyman, WY                      | 13,300                               | 52,200          | 83,700    | 107,000   | 138,000         | 325,000    | 29,600                                      | 75,100          | 96,900    | 114,000   | 132,000         | 294,000   | 36.10  | 91.50           | 118.00 | 138.00 | 161.00          | 358.00  |
| 09224700                              | Blacks Fork near Little America, WY             | 16,800                               | 83,500          | 210,000   | 209,000   | 296,000         | 643,000    | 21,100                                      | 92,700          | 173,000   | 175,000   | 245,000         | 459,000   | 6.82   | 29.90           | 55.80  | 56.40  | 78.90           | 148.00  |
| 09234500                              | Green River near Greendale, UT                  | 756,000                              | 1,110,000       | 1,400,000 | 1,550,000 | 1,960,000       | 3,090,000  | 430,000                                     | 697,000         | 884,000   | 940,000   | 1,160,000       | 1,820,000 | 22.20  | 36.00           | 45.70  | 48.60  | 60.00           | 94.30   |
| 09235600                              | Pot Creek above Diversions, near Vernal, UT     | 214                                  | 1,250           | 2,390     | 2,950     | 3,710           | 9,920      | 48  | 174             | 363       | 399       | 454             | 1,240     | 1.96   | 7.06            | 14.70  | 16.20  | 18.40           | 50.20   |
| 09235800                              | Pot Creek near Vernal, UT                       | 54                                   | 178             | 553       | 968       | 846             | 3,370      | 18  | 43              | 129       | 200       | 195             | 612       | 0.17   | 0.40            | 1.21   | 1.87   | 1.82            | 5.72    |
| 09237450                              | Yampa River above Stagecoach Reservoir, CO      | 24,000                               | 39,200          | 47,400    | 52,100    | 56,300          | 97,400     | 9,880                                       | 16,000          | 18,900    | 20,400    | 22,100          | 36,300    | 47.50  | 76.90           | 91.00  | 98.30  | 106.00          | 174.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |           |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|-----------|-----------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09237500                              | Yampa River below Stagecoach Reservoir, CO              | 23,300                               | 41,200          | 54,600    | 58,500    | 73,300          | 100,000   | 9,180                                       | 15,900          | 19,800    | 21,500    | 25,800          | 33,900    | 40.20  | 69.90           | 86.70  | 94.20  | 113.00          | 149.00  |
| 09238900                              | Fish Creek at upper station, near Steamboat Springs, CO | 21,600                               | 35,100          | 42,500    | 44,700    | 54,200          | 71,500    | 538   | 915             | 1,040     | 1,110     | 1,280           | 1,820     | 21.70  | 36.90           | 42.00  | 44.60  | 51.50           | 73.50   |
| 09239500                              | Yampa River at Steamboat Springs, CO                    | 122,000                              | 226,000         | 320,000   | 321,000   | 404,000         | 596,000   | 20,800                                      | 31,800          | 38,000    | 38,100    | 45,500          | 57,400    | 36.70  | 56.00           | 67.00  | 67.00  | 80.00           | 101.00  |
| 09242500                              | Elk River near Milner, CO                               | 167,000                              | 274,000         | 389,000   | 371,000   | 458,000         | 608,000   | 15,000                                      | 23,300          | 26,800    | 27,500    | 33,000          | 41,300    | 36.20  | 56.10           | 64.50  | 66.30  | 79.50           | 99.40   |
| 09243700                              | Middle Creek near Oak Creek, CO                         | 563                                  | 1,300           | 2,470     | 3,330     | 5,430           | 9,620     | 357   | 699             | 1,170     | 1,560     | 2,490           | 4,020     | 15.20  | 29.70           | 49.70  | 66.30  | 106.00          | 171.00  |
| 09243800                              | Foidel Creek near Oak Creek, CO                         | 381                                  | 698             | 1,130     | 1,510     | 2,640           | 3,340     | 871   | 1,890           | 2,530     | 3,210     | 4,290           | 6,800     | 101.00   | 219.00          | 294.00 | 373.00 | 498.00          | 789.00  |
| 09243900                              | Foidel Creek at Mouth, near Oak Creek, CO               | 752                                  | 1,160           | 2,100     | 2,750     | 4,610           | 5,530     | 1,570                                       | 2,860           | 4,530     | 5,610     | 8,580           | 11,300    | 89.60  | 163.00          | 259.00 | 320.00 | 491.00          | 645.00  |
| 09244410                              | Yampa River below Diversion, near Hayden, CO            | 237,000                              | 726,000         | 865,000   | 834,000   | 1,010,000       | 1,400,000 | 42,100                                      | 95,300          | 113,000   | 122,000   | 150,000         | 210,000   | 29.50  | 66.60           | 78.90  | 85.00  | 105.00          | 147.00  |
| 09245000                              | Elkhead Creek near Elkhead, CO                          | 14,600                               | 23,500          | 33,500    | 37,500    | 53,100          | 66,600    | 2,630                                       | 3,870           | 5,520     | 5,830     | 7,470           | 10,400    | 40.90  | 60.30           | 86.00  | 90.90  | 116.00          | 162.00  |
| 09247600                              | Yampa River below Craig, CO                             | 339,000                              | 600,000         | 844,000   | 892,000   | 1,200,000       | 1,390,000 | 95,600                                      | 158,000         | 176,000   | 195,000   | 241,000         | 287,000   | 54.60  | 90.00           | 100.00 | 111.00 | 138.00          | 164.00  |
| 09249750                              | Williams Fork at Mouth, near Hamilton, CO               | 75,900                               | 105,000         | 146,000   | 172,000   | 211,000         | 469,000   | 31,000                                      | 37,700          | 48,000    | 51,100    | 65,600          | 74,600    | 74.10  | 90.00           | 114.00 | 122.00 | 156.00          | 178.00  |
| 09251000                              | Yampa River near Maybell, CO                            | 345,000                              | 746,000         | 1,150,000 | 1,130,000 | 1,470,000       | 2,190,000 | 126,000                                     | 230,000         | 281,000   | 290,000   | 332,000         | 444,000   | 36.80  | 67.40           | 82.30  | 85.00  | 97.50           | 130.00  |
| 09253000                              | Little Snake River near Slater, CO                      | 62,600                               | 107,000         | 188,000   | 172,000   | 209,000         | 307,000   | 7,210                                       | 9,100           | 14,800    | 13,400    | 16,400          | 19,000    | 25.30  | 31.90           | 51.90  | 47.00  | 57.70           | 66.80   |
| 09255000                              | Slater Fork near Slater, CO                             | 21,900                               | 36,500          | 48,300    | 57,000    | 79,400          | 96,900    | 3,810                                       | 5,290           | 6,920     | 7,500     | 9,210           | 13,200    | 23.70  | 32.90           | 43.00  | 46.60  | 57.20           | 82.10   |
| 09260000                              | Little Snake River near Lily, CO                        | 103,000                              | 251,000         | 419,000   | 409,000   | 553,000         | 908,000   | 43,600                                      | 77,300          | 122,000   | 118,000   | 151,000         | 224,000   | 11.70  | 20.70           | 32.60  | 31.50  | 40.40           | 60.10   |
| 09260050                              | Yampa River at Deerlodge Park, CO                       | 771,000                              | 860,000         | 1,200,000 | 1,560,000 | 2,320,000       | 3,110,000 | 210,000                                     | 255,000         | 360,000   | 471,000   | 759,000         | 934,000   | 27.40  | 33.40           | 47.00  | 61.50  | 99.10           | 122.00  |
| 09261000                              | Green River near Jensen, UT                             | 1,210,000                            | 2,100,000       | 3,030,000 | 3,080,000 | 3,700,000       | 5,640,000 | 665,000                                     | 1,110,000       | 1,410,000 | 1,390,000 | 1,570,000       | 2,210,000 | 22.40  | 37.40           | 47.60  | 46.90  | 53.10           | 74.60   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |         | Annual dissolved-solids load, tons per year |                 |        |        |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|---------|---|-----------------|--------|--------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum                                     | 25th percentile | Median | Mean   | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09261700                              | Big Brush Creek above Red Fleet Reservoir, near Vernal, UT | 17,100                               | 24,200          | 31,900  | 32,300  | 40,400          | 46,700  | 4,970                                       | 5,640           | 7,940  | 7,600  | 9,250           | 9,910   | 64.40  | 73.10           | 103.00 | 98.40  | 120.00          | 128.00  |
| 09266500                              | Ashley Creek near Vernal, UT                               | 22,800                               | 46,700          | 61,900  | 65,800  | 81,500          | 127,000 | 3,060                                       | 4,950           | 5,950  | 6,270  | 7,750           | 10,300  | 30.30  | 49.00           | 58.90  | 62.00  | 76.70           | 102.00  |
| 09270500                              | Dry Fork at mouth, near Dry Fork, UT                       | 666                                  | 7,640           | 16,300  | 19,900  | 23,900          | 72,600  | 638   | 2,490           | 4,100  | 4,160  | 5,260           | 11,000  | 5.55   | 21.60           | 35.70  | 36.20  | 45.70           | 95.90   |
| 09271500                              | Ashley Creek near Jensen, UT                               | 8,710                                | 15,500          | 27,500  | 41,700  | 42,300          | 169,000 | 20,200                                      | 29,900          | 44,900 | 46,600 | 47,800          | 122,000 | 52.80  | 78.10           | 117.00 | 122.00 | 125.00          | 319.00  |
| 09275500                              | West Fork Duchesne River near Hanna, UT                    | 11,000                               | 15,000          | 31,100  | 31,100  | 41,800          | 55,700  | 4,680                                       | 6,060           | 10,700 | 10,700 | 14,000          | 17,400  | 75.90  | 98.40           | 174.00 | 174.00 | 227.00          | 282.00  |
| 09276000                              | Wolf Creek above Rhoades Canyon near Hanna, UT             | 2,420                                | 4,360           | 5,490   | 6,180   | 7,290           | 11,300  | 654   | 1,040           | 1,360  | 1,530  | 1,740           | 2,980   | 61.70  | 98.60           | 129.00 | 145.00 | 165.00          | 281.00  |
| 09278000                              | South Fork Rock Creek near Hanna, UT                       | 3,020                                | 6,430           | 8,910   | 9,210   | 11,700          | 17,900  | 521   | 972             | 1,230  | 1,270  | 1,570           | 2,250   | 33.20  | 61.90           | 78.40  | 80.90  | 100.00          | 144.00  |
| 09278500                              | Rock Creek near Hanna, UT                                  | 43,900                               | 81,800          | 116,000 | 113,000 | 135,000         | 179,000 | 2,260                                       | 3,650           | 4,860  | 4,770  | 5,560           | 7,250   | 18.50  | 29.90           | 39.90  | 39.10  | 45.60           | 59.50   |
| 09279000                              | Rock Creek near Mountain Home, UT                          | 31,100                               | 81,100          | 118,000 | 111,000 | 146,000         | 195,000 | 4,650                                       | 7,320           | 8,380  | 8,520  | 10,400          | 12,300  | 31.70  | 49.80           | 57.00  | 58.00  | 70.80           | 83.70   |
| 09279100                              | Rock Creek near Talmage, UT                                | 34,300                               | 79,500          | 117,000 | 112,000 | 149,000         | 200,000 | 8,670                                       | 12,700          | 15,100 | 14,700 | 17,400          | 20,500  | 36.40  | 53.20           | 63.60  | 62.00  | 73.30           | 86.10   |
| 09279150                              | Duchesne River above Knight Diversion, near Duchesne, UT   | 96,500                               | 153,000         | 231,000 | 241,000 | 317,000         | 420,000 | 37,100                                      | 46,900          | 57,000 | 57,400 | 68,700          | 79,600  | 59.60  | 75.30           | 91.50  | 92.10  | 110.00          | 128.00  |
| 09280400                              | Hobble Creek at Daniels Summit, near Wallsburg, UT         | 190                                  | 1,670           | 2,660   | 2,360   | 3,180           | 3,960   | 27  | 122             | 173    | 161    | 207             | 251     | 9.23   | 42.30           | 59.80  | 55.80  | 71.70           | 86.90   |
| 09285000                              | Strawberry River near Soldier Springs, UT                  | 5,290                                | 8,800           | 13,600  | 22,600  | 14,800          | 127,000 | 1,930                                       | 3,550           | 3,920  | 7,200  | 4,480           | 40,000  | 9.05   | 16.70           | 18.40  | 33.80  | 21.00           | 188.00  |
| 09287500                              | Water Hollow near Fruitland, UT                            | 540                                  | 618             | 1,060   | 2,300   | 1,520           | 9,090   | 251   | 293             | 410    | 813    | 526             | 2,990   | 18.20  | 21.20           | 29.70  | 58.90  | 38.10           | 217.00  |
| 09288000                              | Currant Creek near Fruitland, UT                           | 12,000                               | 24,100          | 27,500  | 35,900  | 41,700          | 80,800  | 4,840                                       | 8,300           | 10,000 | 12,100 | 14,600          | 25,700  | 34.60  | 59.30           | 71.40  | 86.30  | 104.00          | 184.00  |
| 09288150                              | West Fork Avintaquin Creek near Fruitland, UT              | 821                                  | 5,600           | 12,100  | 12,000  | 17,500          | 22,200  | 393   | 2,390           | 5,100  | 5,240  | 7,480           | 9,680   | 7.01   | 42.50           | 90.90  | 93.40  | 133.00          | 173.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |          |          |                 |          |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|-----------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|----------|----------|-----------------|----------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median   | Mean     | 75th percentile | Maximum  |
| 09288180                              | Strawberry River near Duchesne, UT                 | 34,400                               | 67,100          | 83,300  | 113,000 | 135,000         | 321,000   | 24,300                                      | 39,200          | 48,300  | 62,700  | 75,600          | 159,000 | 26.50  | 42.70           | 52.70    | 68.40    | 82.50           | 174.00   |
| 09288900                              | Sowers Creek near Duchesne, UT                     | 55,000                               | 78,700          | 103,000 | 105,000 | 122,000         | 170,000   | 47,400                                      | 67,400          | 89,400  | 90,300  | 107,000         | 141,000 | 1,170.00   | 1,660.00        | 2,200.00 | 2,230.00 | 2,640.00        | 3,460.00 |
| 09292500                              | Yellowstone River near Altonah, UT                 | 55,000                               | 75,700          | 84,800  | 95,100  | 116,000         | 170,000   | 3,740                                       | 4,530           | 4,810   | 5,140   | 5,930           | 7,320   | 28.30  | 34.30           | 36.50    | 38.90    | 44.90           | 55.40    |
| 09295000                              | Duchesne River at Myton, UT                        | 37,700                               | 70,800          | 178,000 | 243,000 | 282,000         | 854,000   | 46,100                                      | 67,100          | 124,000 | 151,000 | 194,000         | 393,000 | 17.50  | 25.40           | 47.10    | 57.20    | 73.50           | 149.00   |
| 09297000                              | Uinta River near Neola, UT                         | 81,900                               | 99,200          | 111,000 | 127,000 | 148,000         | 235,000   | 4,720                                       | 5,550           | 6,090   | 6,830   | 7,890           | 11,700  | 28.90  | 34.10           | 37.40    | 41.90    | 48.40           | 71.70    |
| 09298000                              | Farm Creek near Whiterocks, UT                     | 1,890                                | 3,300           | 3,910   | 4,060   | 4,450           | 7,240     | 557   | 773             | 861     | 874     | 955             | 1,320   | 37.40  | 51.90           | 57.80    | 58.70    | 64.10           | 88.30    |
| 09299500                              | Whiterocks River near Whiterocks, UT               | 38,300                               | 56,700          | 69,200  | 76,700  | 92,000          | 151,000   | 1,820                                       | 2,490           | 4,110   | 3,940   | 5,040           | 6,920   | 16.70  | 22.80           | 37.70    | 36.10    | 46.30           | 63.50    |
| 09302000                              | Duchesne River near Randlett, UT                   | 37,100                               | 114,000         | 226,000 | 348,000 | 493,000         | 1,260,000 | 56,800                                      | 130,000         | 235,000 | 254,000 | 335,000         | 636,000 | 13.40  | 30.70           | 55.30    | 59.80    | 78.90           | 150.00   |
| 09303000                              | North Fork White River at Burford, CO              | 113,000                              | 186,000         | 232,000 | 234,000 | 255,000         | 379,000   | 34,000                                      | 47,200          | 52,000  | 52,500  | 56,500          | 70,200  | 131.00   | 182.00          | 201.00   | 203.00   | 218.00          | 271.00   |
| 09303300                              | South Fork White River at Budges Resort, CO        | 48,500                               | 61,600          | 64,400  | 74,900  | 98,600          | 110,000   | 6,380                                       | 7,950           | 8,380   | 9,450   | 12,000          | 13,400  | 122.00   | 152.00          | 160.00   | 181.00   | 229.00          | 257.00   |
| 09303400                              | South Fork White River near Budges Resort, CO      | 94,600                               | 111,000         | 128,000 | 147,000 | 176,000         | 218,000   | 15,400                                      | 18,000          | 20,500  | 23,200  | 27,200          | 33,300  | 120.00   | 141.00          | 160.00   | 181.00   | 213.00          | 260.00   |
| 09303500                              | South Fork White River near Buford, CO             | 121,000                              | 156,000         | 176,000 | 199,000 | 260,000         | 281,000   | 22,900                                      | 28,900          | 32,100  | 35,600  | 45,600          | 48,700  | 151.00   | 190.00          | 211.00   | 234.00   | 300.00          | 321.00   |
| 09304000                              | South Fork White River at Buford, CO               | 93,100                               | 149,000         | 185,000 | 186,000 | 226,000         | 262,000   | 21,100                                      | 30,000          | 36,000  | 35,900  | 42,600          | 48,700  | 119.00   | 169.00          | 203.00   | 203.00   | 241.00          | 275.00   |
| 09304200                              | White River above Coal Creek, near Meeker, CO      | 151,000                              | 312,000         | 416,000 | 405,000 | 471,000         | 700,000   | 52,000                                      | 89,200          | 107,000 | 106,000 | 121,000         | 155,000 | 80.30  | 138.00          | 166.00   | 163.00   | 187.00          | 240.00   |
| 09304500                              | White River near Meeker, CO                        | 220,000                              | 358,000         | 415,000 | 456,000 | 597,000         | 757,000   | 94,900                                      | 125,000         | 143,000 | 146,000 | 159,000         | 227,000 | 126.00   | 166.00          | 189.00   | 193.00   | 211.00          | 300.00   |
| 09304800                              | White River below Meeker, CO                       | 210,000                              | 381,000         | 486,000 | 483,000 | 557,000         | 774,000   | 123,000                                     | 164,000         | 197,000 | 189,000 | 205,000         | 253,000 | 120.00   | 160.00          | 192.00   | 185.00   | 200.00          | 247.00   |
| 09306007                              | Piceance Creek below Rio Blanco, CO                | 3,640                                | 6,180           | 11,200  | 15,200  | 17,900          | 39,900    | 3,510                                       | 6,190           | 10,600  | 13,400  | 16,100          | 33,300  | 19.80  | 35.00           | 60.00    | 75.90    | 90.90           | 188.00   |
| 09306022                              | Stewart Gulch above West Fork, near Rio Blanco, CO | 892                                  | 990             | 1,340   | 1,680   | 1,570           | 4,970     | 1,100                                       | 1,230           | 1,670   | 2,070   | 1,950           | 6,070   | 25.10  | 27.80           | 37.90    | 47.10    | 44.40           | 138.00   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|-----------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09306058                              | Willow Creek near Rio Blanco, CO                       | 717                                  | 1,030           | 1,690   | 2,390   | 2,890           | 6,300     | 837   | 1,190           | 1,940   | 2,740   | 3,330           | 7,170   | 17.30  | 24.70           | 40.00  | 56.70  | 68.90           | 148.00  |
| 09306200                              | Piceance Creek below Ryan Gulch, near Rio Blanco, CO   | 9,230                                | 12,700          | 20,800  | 27,400  | 32,600          | 69,800    | 13,900                                      | 18,300          | 26,500  | 32,500  | 39,400          | 71,500  | 27.50  | 36.20           | 52.30  | 64.20  | 77.90           | 141.00  |
| 09306222                              | Piceance Creek at White River, CO                      | 4,340                                | 13,100          | 23,400  | 29,200  | 34,200          | 79,200    | 11,200                                      | 25,900          | 39,300  | 43,400  | 51,000          | 94,400  | 17.20  | 39.80           | 60.30  | 66.60  | 78.20           | 145.00  |
| 09306235                              | Corral Gulch below Water Gulch, near Rangely, CO       | 49                                   | 127             | 235     | 729     | 1,010           | 2,800     | 44  | 127             | 282     | 996     | 1,410           | 4,340   | 5.13   | 14.80           | 32.70  | 116.00 | 164.00          | 504.00  |
| 09306242                              | Corral Gulch near Rangely, CO                          | 205                                  | 449             | 686     | 1,470   | 1,710           | 5,630     | 294   | 616             | 948     | 1,960   | 2,340           | 8,040   | 9.30   | 19.50           | 30.00  | 61.90  | 74.10           | 255.00  |
| 09306255                              | Yellow Creek near White River, CO                      | 1,400                                | 1,790           | 2,500   | 2,850   | 3,440           | 6,470     | 4,650                                       | 6,020           | 7,930   | 8,730   | 10,400          | 18,000  | 17.70  | 23.00           | 30.30  | 33.30  | 39.80           | 68.70   |
| 09306290                              | White River below Boise Creek, near Rangely, CO        | 241,000                              | 388,000         | 544,000 | 547,000 | 696,000         | 975,000   | 159,000                                     | 223,000         | 274,000 | 286,000 | 321,000         | 466,000 | 62.80  | 88.00           | 108.00 | 113.00 | 127.00          | 184.00  |
| 09306410                              | Evacuation Creek above Missouri Creek, near Dragon, UT | 524                                  | 781             | 1,030   | 1,690   | 1,390           | 6,970     | 1,690                                       | 2,300           | 2,750   | 3,960   | 3,410           | 13,300  | 16.90  | 23.00           | 27.50  | 39.60  | 34.10           | 133.00  |
| 09306430                              | Evacuation Creek near mouth, near Watson, UT           | 444                                  | 660             | 913     | 1,130   | 1,150           | 2,910     | 1,340                                       | 2,020           | 3,120   | 3,260   | 3,350           | 7,670   | 4.72   | 7.10            | 11.00  | 11.50  | 11.80           | 27.00   |
| 09306500                              | White River near Watson, UT                            | 215,000                              | 379,000         | 473,000 | 500,000 | 618,000         | 861,000   | 147,000                                     | 222,000         | 269,000 | 285,000 | 333,000         | 542,000 | 36.60  | 55.10           | 66.90  | 71.00  | 82.80           | 135.00  |
| 09306800                              | Bitter Creek near Bonanza, UT                          | 210                                  | 1,210           | 2,280   | 5,070   | 9,730           | 13,400    | 1,900                                       | 7,630           | 11,900  | 20,100  | 36,000          | 45,900  | 5.85   | 23.50           | 36.80  | 62.00  | 111.00          | 142.00  |
| 09306850                              | Bitter Creek at mouth, near Bonanza, UT                | 426                                  | 536             | 803     | 1,400   | 1,400           | 5,330     | 8,100                                       | 8,520           | 10,600  | 12,600  | 13,800          | 27,500  | 20.40  | 21.40           | 26.70  | 31.60  | 34.70           | 69.00   |
| 09306900                              | White River at mouth, near Ouray, UT                   | 225,000                              | 505,000         | 576,000 | 613,000 | 845,000         | 1,020,000 | 172,000                                     | 287,000         | 321,000 | 381,000 | 504,000         | 633,000 | 33.50  | 56.10           | 62.80  | 74.40  | 98.50           | 124.00  |
| 09307200                              | Pariette Draw near Ouray, UT                           | 15,100                               | 17,000          | 19,800  | 20,000  | 22,300          | 25,000    | 47,900                                      | 50,800          | 53,800  | 53,800  | 57,200          | 58,400  | 313.00   | 332.00          | 352.00 | 352.00 | 374.00          | 382.00  |
| 09307300                              | Pariette Draw at mouth, near Ouray, UT                 | 9,390                                | 12,500          | 17,900  | 16,500  | 20,800          | 21,200    | 29,700                                      | 40,300          | 50,100  | 47,400  | 53,600          | 61,500  | 99.60  | 135.00          | 168.00 | 159.00 | 180.00          | 206.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |           |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|-----------|-----------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09307500                              | Willow Creek above diversions, near Ouray, UT                         | 10,900                               | 14,000          | 15,200    | 18,000    | 22,500          | 30,600    | 6,910                                       | 8,710           | 9,370     | 10,700    | 12,900          | 17,200    | 23.30  | 29.30           | 31.60  | 36.20  | 43.50           | 58.00   |
| 09308000                              | Willow Creek near Ouray, UT   | 7,210                                | 13,800          | 15,000    | 19,100    | 23,800          | 40,900    | 11,500                                      | 19,300          | 20,500    | 23,200    | 26,800          | 41,600    | 12.80  | 21.50           | 22.90  | 25.80  | 29.90           | 46.40   |
| 09308500                              | Minnie Maud Creek near Myton, UT                                      | 523                                  | 1,950           | 3,930     | 4,720     | 7,080           | 12,400    | 423   | 1,440           | 2,710     | 3,150     | 4,560           | 7,760     | 13.20  | 44.90           | 84.60  | 98.50  | 142.00          | 242.00  |
| 09310000                              | Gooseberry Creek near Scofield, UT                                    | 3,370                                | 9,230           | 11,800    | 14,500    | 18,300          | 28,100    | 1,010                                       | 3,180           | 4,250     | 5,250     | 6,710           | 10,700    | 60.30  | 189.00          | 253.00 | 312.00 | 399.00          | 635.00  |
| 09310500                              | Fish Creek above reservoir, near Scofield, UT                         | 7,350                                | 23,500          | 33,500    | 39,500    | 48,100          | 81,900    | 1,980                                       | 6,080           | 8,150     | 9,730     | 12,100          | 20,200    | 32.90  | 101.00          | 136.00 | 162.00 | 201.00          | 337.00  |
| 09312600                              | White River below Tabbyune Creek, near Soldier Summit, UT             | 1,610                                | 9,040           | 19,300    | 20,200    | 29,800          | 44,800    | 1,090                                       | 5,540           | 12,100    | 12,300    | 18,400          | 27,100    | 14.40  | 73.30           | 159.00 | 163.00 | 243.00          | 359.00  |
| 09312700                              | Beaver Creek near Soldier Summit, UT                                  | 261                                  | 1,700           | 2,700     | 3,420     | 4,580           | 9,960     | 135   | 723             | 1,190     | 1,450     | 1,860           | 4,030     | 5.18   | 27.70           | 45.60  | 55.70  | 71.40           | 155.00  |
| 09312800                              | Willow Creek near Castle Gate, UT                                     | 555                                  | 2,720           | 6,530     | 7,480     | 10,900          | 23,000    | 508   | 2,550           | 5,850     | 6,150     | 9,090           | 17,800    | 8.10   | 40.60           | 93.10  | 97.90  | 145.00          | 283.00  |
| 09314250                              | Price River below Miller Creek, near Wellington, UT                   | 15,700                               | 30,200          | 87,700    | 105,000   | 147,000         | 289,000   | 51,800                                      | 89,500          | 146,000   | 156,000   | 209,000         | 299,000   | 54.20  | 93.60           | 153.00 | 163.00 | 218.00          | 313.00  |
| 09314280                              | Desert Seep Wash near Wellington, UT                                  | 6,040                                | 14,900          | 21,400    | 21,900    | 30,500          | 35,700    | 34,800                                      | 76,500          | 83,500    | 86,000    | 102,000         | 121,000   | 182.00   | 401.00          | 437.00 | 450.00 | 536.00          | 634.00  |
| 09315000                              | Green River at Green River, UT  | 1,470,000                            | 2,530,000       | 3,920,000 | 4,070,000 | 4,850,000       | 8,040,000 | 941,000                                     | 1,720,000       | 2,370,000 | 2,350,000 | 2,700,000       | 4,090,000 | 21.00  | 38.40           | 52.90  | 52.50  | 60.20           | 91.20   |
| 09324500                              | Cottonwood Creek near Orangeville, UT                                 | 21,700                               | 50,400          | 70,300    | 87,100    | 81,600          | 204,000   | 7,510                                       | 16,400          | 21,000    | 25,500    | 24,100          | 56,100    | 36.10  | 78.70           | 101.00 | 123.00 | 116.00          | 270.00  |
| 09326500                              | Ferron Creek (upper station) near Ferron, UT                          | 12,700                               | 29,100          | 42,300    | 48,700    | 62,500          | 102,000   | 7,340                                       | 14,900          | 20,100    | 22,800    | 28,500          | 44,000    | 53.20  | 108.00          | 146.00 | 165.00 | 206.00          | 319.00  |
| 09328000                              | San Rafael River near Castle Dale, UT                                 | 12,200                               | 37,800          | 89,900    | 111,000   | 141,000         | 314,000   | 56,400                                      | 123,000         | 200,000   | 215,000   | 254,000         | 443,000   | 60.60  | 133.00          | 215.00 | 231.00 | 273.00          | 477.00  |
| 09328100                              | San Rafael River at San Rafael Bridge Campground, near Carbondale, UT | 14,500                               | 36,300          | 92,900    | 124,000   | 156,000         | 317,000   | 64,700                                      | 121,000         | 197,000   | 207,000   | 251,000         | 386,000   | 50.40  | 94.30           | 153.00 | 162.00 | 195.00          | 300.00  |
| 09328500                              | San Rafael River near Green River, UT                                 | 8,550                                | 25,300          | 45,800    | 80,100    | 99,700          | 350,000   | 32,600                                      | 81,300          | 130,000   | 168,000   | 215,000         | 524,000   | 20.00  | 49.90           | 79.80  | 103.00 | 132.00          | 322.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|-----------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09329050                              | Seven Mile Creek near Fish Lake, UT                                | 5,310                                | 7,870           | 9,960   | 10,900  | 12,400          | 23,700    | 640   | 913             | 1,130   | 1,250   | 1,460           | 2,500   | 26.70  | 38.00           | 47.30  | 51.90  | 60.80           | 104.00  |
| 09330000                              | Fremont River near Bicknell, UT                                    | 43,600                               | 51,600          | 62,700  | 66,100  | 73,000          | 100,000   | 21,200                                      | 24,800          | 29,600  | 30,900  | 33,800          | 45,100  | 28.30  | 33.00           | 39.40  | 41.20  | 45.00           | 60.00   |
| 09330230                              | Fremont River near Caineville, UT                                  | 41,000                               | 47,500          | 49,600  | 57,100  | 65,400          | 96,200    | 25,800                                      | 28,400          | 30,000  | 33,900  | 38,800          | 52,600  | 21.40  | 23.50           | 24.80  | 28.00  | 32.10           | 43.60   |
| 09332100                              | Muddy Creek below I-70, near Emery, UT                             | 6,820                                | 22,000          | 33,800  | 33,400  | 41,500          | 62,300    | 16,300                                      | 35,500          | 44,300  | 43,600  | 49,900          | 63,900  | 39.00  | 85.00           | 106.00 | 104.00 | 119.00          | 153.00  |
| 09332700                              | Muddy Creek at Delta Mine, near Hanksville, UT                     | 3,280                                | 11,100          | 19,600  | 23,700  | 36,100          | 53,000    | 7,340                                       | 26,300          | 41,700  | 46,100  | 68,000          | 89,200  | 8.73   | 31.30           | 49.60  | 54.80  | 80.90           | 106.00  |
| 09333500                              | Dirty Devil River above Poison Spring Wash, near Hanksville, UT    | 41,100                               | 53,900          | 67,200  | 74,600  | 84,600          | 130,000   | 65,500                                      | 100,000         | 119,000 | 129,000 | 153,000         | 224,000 | 15.80  | 24.10           | 28.60  | 31.10  | 36.80           | 53.80   |
| 09337000                              | Pine Creek near Escalante, UT                                      | 457                                  | 2,630           | 4,030   | 4,080   | 5,670           | 9,070     | 158   | 776             | 1,210   | 1,160   | 1,590           | 2,470   | 2.32   | 11.40           | 17.80  | 17.10  | 23.30           | 36.20   |
| 09337500                              | Escalante River near Escalante, UT                                 | 1,090                                | 3,570           | 7,000   | 6,990   | 9,690           | 20,000    | 1,970                                       | 3,780           | 5,780   | 5,420   | 7,140           | 10,700  | 6.16   | 11.80           | 18.10  | 16.90  | 22.30           | 33.50   |
| 09339900                              | East Fork San Juan River above Sand Creek, near Pagosa Springs, CO | 35,800                               | 50,700          | 76,600  | 72,600  | 88,700          | 112,000   | 3,230                                       | 4,300           | 5,810   | 5,620   | 6,490           | 8,110   | 50.40  | 67.10           | 90.60  | 87.60  | 101.00          | 127.00  |
| 09342500                              | San Juan River at Pagosa Springs, CO                               | 187,000                              | 256,000         | 311,000 | 328,000 | 409,000         | 464,000   | 17,300                                      | 20,700          | 23,900  | 24,700  | 28,400          | 32,400  | 58.00  | 69.60           | 80.30  | 82.80  | 95.50           | 109.00  |
| 09346000                              | Navajo River at Edith, CO  | 37,500                               | 53,100          | 73,100  | 79,700  | 98,500          | 133,000   | 7,560                                       | 10,200          | 13,100  | 14,000  | 16,800          | 21,500  | 44.00  | 59.30           | 76.30  | 81.40  | 97.90           | 125.00  |
| 09346400                              | San Juan River near Carracas, CO                                   | 81,100                               | 310,000         | 468,000 | 451,000 | 539,000         | 861,000   | 23,400                                      | 60,100          | 76,700  | 79,100  | 98,300          | 141,000 | 19.00  | 48.80           | 62.40  | 64.30  | 79.90           | 115.00  |
| 09349800                              | Piedra River near Arboles, CO                                      | 38,800                               | 218,000         | 295,000 | 299,000 | 420,000         | 507,000   | 14,100                                      | 46,900          | 53,700  | 54,200  | 66,800          | 86,400  | 22.40  | 74.50           | 85.40  | 86.20  | 106.00          | 137.00  |
| 09352900                              | Vallecito Creek near Bayfield, CO                                  | 31,800                               | 83,500          | 97,700  | 104,000 | 131,000         | 154,000   | 1,540                                       | 3,810           | 4,440   | 4,600   | 5,710           | 6,580   | 21.20  | 52.50           | 61.20  | 63.40  | 78.80           | 90.80   |
| 09354500                              | Los Pinos River at La Boca, CO                                     | 32,300                               | 117,000         | 156,000 | 185,000 | 274,000         | 365,000   | 7,800                                       | 21,200          | 25,900  | 28,300  | 38,200          | 49,500  | 15.00  | 40.70           | 49.90  | 54.40  | 73.50           | 95.20   |
| 09355000                              | Spring Creek at La Boca, CO  | 7,090                                | 20,800          | 24,300  | 23,700  | 28,000          | 34,500    | 2,740                                       | 6,740           | 8,280   | 7,880   | 9,320           | 11,400  | 47.10  | 116.00          | 142.00 | 135.00 | 160.00          | 196.00  |
| 09355500                              | San Juan River near Archuleta, NM                                  | 376,000                              | 519,000         | 818,000 | 875,000 | 1,020,000       | 1,940,000 | 91,700                                      | 111,000         | 165,000 | 194,000 | 230,000         | 507,000 | 28.10  | 34.00           | 50.50  | 59.50  | 70.40           | 155.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|---------|---------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09359020                              | Animas River below Silverton, CO                       | 82,500                               | 167,000         | 188,000   | 198,000   | 241,000         | 286,000   | 29,300                                      | 40,900          | 42,300  | 43,000  | 47,100          | 51,800    | 201.00   | 280.00          | 290.00 | 295.00 | 323.00          | 355.00  |
| 09361500                              | Animas River at Durango, CO                            | 173,000                              | 433,000         | 547,000   | 593,000   | 786,000         | 887,000   | 86,400                                      | 138,000         | 155,000 | 160,000 | 190,000         | 206,000   | 125.00   | 199.00          | 223.00 | 231.00 | 274.00          | 298.00  |
| 09363500                              | Animas River near Cedar Hill, NM                       | 410,000                              | 515,000         | 610,000   | 688,000   | 948,000         | 1,050,000 | 157,000                                     | 184,000         | 205,000 | 215,000 | 260,000         | 283,000   | 144.00   | 169.00          | 188.00 | 198.00 | 239.00          | 260.00  |
| 09364500                              | Animas River at Farmington, NM                         | 128,000                              | 421,000         | 573,000   | 632,000   | 877,000         | 1,060,000 | 77,600                                      | 181,000         | 205,000 | 219,000 | 270,000         | 317,000   | 57.10  | 133.00          | 151.00 | 161.00 | 199.00          | 233.00  |
| 09367561                              | Shumway Arroyo near Waterflow, NM                      | 50                                   | 800             | 1,580     | 1,560     | 2,180           | 3,010     | 399   | 5,460           | 12,900  | 13,800  | 19,500          | 32,700    | 5.41   | 74.00           | 175.00 | 187.00 | 265.00          | 443.00  |
| 09367950                              | Chaco River near Waterflow, NM                         | 13,000                               | 21,500          | 28,200    | 34,000    | 43,400          | 70,800    | 18,700                                      | 29,400          | 40,600  | 41,500  | 48,300          | 87,100    | 4.31   | 6.77            | 9.33   | 9.54   | 11.10           | 20.00   |
| 09368000                              | San Juan River at Shiprock, NM                         | 475,000                              | 947,000         | 1,320,000 | 1,440,000 | 1,880,000       | 2,910,000 | 259,000                                     | 452,000         | 555,000 | 596,000 | 732,000         | 1,020,000 | 20.10  | 35.10           | 43.00  | 46.20  | 56.70           | 79.40   |
| 09371000                              | Mancos River near Towaoc, CO                           | 3,490                                | 17,100          | 33,100    | 36,000    | 50,900          | 82,800    | 5,130                                       | 16,000          | 34,000  | 33,300  | 46,500          | 71,000    | 9.75   | 30.50           | 64.60  | 63.40  | 88.30           | 135.00  |
| 09371010                              | San Juan River at Four Corners, CO                     | 535,000                              | 977,000         | 1,480,000 | 1,600,000 | 1,980,000       | 3,030,000 | 327,000                                     | 535,000         | 635,000 | 705,000 | 854,000         | 1,170,000 | 22.40  | 36.60           | 43.50  | 48.30  | 58.50           | 80.10   |
| 09371492                              | Mud Creek at State Highway 32, near Cortez, CO         | 2,760                                | 4,860           | 5,050     | 4,930     | 5,270           | 6,220     | 7,870                                       | 11,300          | 12,000  | 12,100  | 13,700          | 16,600    | 234.00   | 336.00          | 356.00 | 361.00 | 407.00          | 495.00  |
| 09371500                              | McElmo Creek near Cortez, CO                           | 29,400                               | 37,600          | 47,200    | 44,500    | 51,100          | 56,800    | 71,900                                      | 91,500          | 110,000 | 106,000 | 119,000         | 135,000   | 313.00   | 398.00          | 479.00 | 460.00 | 518.00          | 586.00  |
| 09371520                              | McElmo Creek above Trail Canyon, near Cortez, CO       | 17,300                               | 35,300          | 45,800    | 40,800    | 49,300          | 57,000    | 36,200                                      | 68,700          | 88,600  | 81,400  | 100,000         | 112,000   | 155.00   | 294.00          | 379.00 | 348.00 | 429.00          | 480.00  |
| 09372000                              | McElmo Creek near Colorado-Utah state line             | 13,000                               | 32,100          | 43,900    | 40,800    | 51,600          | 60,800    | 32,500                                      | 83,600          | 101,000 | 105,000 | 130,000         | 163,000   | 93.90  | 242.00          | 293.00 | 304.00 | 376.00          | 470.00  |
| 09378200                              | Montezuma Creek at golf course at Monticello, UT       | 56                                   | 216             | 798       | 2,760     | 2,170           | 14,100    | 35  | 89              | 505     | 1,020   | 1,140           | 4,790     | 1.96   | 5.06            | 28.70  | 57.70  | 64.70           | 272.00  |
| 09378630                              | Recapture Creek near Blanding, UT                      | 13                                   | 173             | 779       | 1,030     | 1,380           | 3,340     | 3   | 40              | 130     | 178     | 237             | 561       | 0.77   | 10.50           | 34.60  | 47.30  | 62.90           | 149.00  |
| 09378650                              | Recapture Creek below Johnson Creek, near Blanding, UT | 367                                  | 2,710           | 6,340     | 7,350     | 10,800          | 17,400    | 91  | 578             | 1,250   | 1,400   | 2,040           | 3,150     | 1.81   | 11.50           | 24.90  | 27.90  | 40.60           | 62.70   |



**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |            |                 |            | Annual dissolved-solids load, tons per year |                 |           |           |                 |            | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|------------|-----------------|------------|---|-----------------|-----------|-----------|-----------------|------------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean       | 75th percentile | Maximum    | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum    | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09378700                              | Cottonwood Wash near Blanding, UT                                 | 1,060                                | 1,830           | 4,840     | 6,380      | 8,580           | 17,000     | 599   | 1,150           | 2,020     | 2,720     | 3,530           | 6,450      | 2.92   | 5.59            | 9.86   | 13.30  | 17.20           | 31.50   |
| 09379500                              | San Juan River near Bluff, UT                                     | 537,000                              | 950,000         | 1,340,000 | 1,550,000  | 1,990,000       | 3,270,000  | 323,000                                     | 616,000         | 742,000   | 800,000   | 994,000         | 1,440,000  | 14.00  | 26.80           | 32.30  | 34.80  | 43.20           | 62.50   |
| 09380000                              | Colorado River at Lees Ferry, AZ                                  | 7,980,000                            | 8,280,000       | 8,360,000 | 10,500,000 | 11,500,000      | 20,500,000 | 5,530,000                                   | 5,990,000       | 6,390,000 | 7,160,000 | 7,570,000       | 13,200,000 | 49.50  | 53.60           | 57.20  | 64.10  | 67.70           | 118.00  |
| 09383400                              | Little Colorado River at Greer, AZ                                | 5,060                                | 8,200           | 9,500     | 11,500     | 13,300          | 23,100     | 443   | 689             | 766       | 918       | 1,060           | 1,730      | 15.20  | 23.70           | 26.30  | 31.60  | 36.30           | 59.40   |
| 09384000                              | Little Colorado River above Lyman Lake, near St. Johns, AZ        | 7,070                                | 8,140           | 11,300    | 19,900     | 28,300          | 50,400     | 2,480                                       | 2,760           | 3,200     | 4,710     | 6,140           | 9,590      | 3.52   | 3.91            | 4.54   | 6.67   | 8.69            | 13.60   |
| 09386950                              | Zuni River above Black Rock Reservoir, NM                         | 366                                  | 1,170           | 3,540     | 10,300     | 24,000          | 32,800     | 248   | 646             | 1,590     | 4,060     | 9,020           | 11,500     | 0.29   | 0.76            | 1.87   | 4.78   | 10.60           | 13.60   |
| 09403600                              | Kanab Creek near Kanab, UT  | 5,770                                | 8,100           | 9,730     | 10,300     | 10,200          | 20,600     | 2,730                                       | 4,840           | 6,080     | 6,460     | 6,560           | 14,900     | 13.90  | 24.70           | 31.00  | 32.90  | 33.40           | 76.30   |
| 09404450                              | East Fork Virgin River near Glendale, UT                          | 5,990                                | 9,390           | 11,300    | 13,700     | 13,900          | 33,500     | 2,360                                       | 3,720           | 4,520     | 5,610     | 5,590           | 14,300     | 31.70  | 50.10           | 60.90  | 75.60  | 75.30           | 193.00  |
| 09406000                              | Virgin River at Virgin, UT  | 61,200                               | 96,500          | 112,000   | 141,000    | 162,000         | 324,000    | 44,800                                      | 64,800          | 74,500    | 85,700    | 99,400          | 159,000    | 46.90  | 67.80           | 77.90  | 89.70  | 104.00          | 166.00  |
| 09409880                              | Santa Clara River at Gunlock, UT                                  | 5,150                                | 7,570           | 10,400    | 16,800     | 16,300          | 62,900     | 1,850                                       | 2,630           | 3,090     | 4,830     | 5,120           | 15,400     | 6.83   | 9.69            | 11.40  | 17.80  | 18.90           | 56.80   |
| 09415000                              | Virgin River at Littlefield, AZ                                   | 72,600                               | 107,000         | 139,000   | 181,000    | 191,000         | 505,000    | 199,000                                     | 255,000         | 321,000   | 353,000   | 401,000         | 713,000    | 39.00  | 50.10           | 63.00  | 69.40  | 78.70           | 140.00  |
| 09419515                              | Muddy River above Lake Mead, near Overton, NV                     | 2,590                                | 4,080           | 5,300     | 6,190      | 6,420           | 13,700     | 8,590                                       | 9,060           | 13,000    | 12,400    | 15,700          | 17,300     | 1.19   | 1.26            | 1.80   | 1.72   | 2.18            | 2.39    |
| 09419678.3                            | Las Vegas Wash below Flamingo Wash confluence, near Las Vegas, NV | 7,670                                | 12,700          | 13,500    | 13,800     | 15,000          | 19,700     | 27,900                                      | 34,000          | 35,400    | 34,900    | 36,800          | 39,900     | 20.60  | 25.10           | 26.20  | 25.80  | 27.20           | 29.50   |
| 09419800                              | Las Vegas Wash below Lake Las Vegas, near Boulder City, NV        | 45,500                               | 60,600          | 68,000    | 67,500     | 74,100          | 85,100     | 200,000                                     | 216,000         | 227,000   | 223,000   | 230,000         | 239,000    | 91.40  | 98.60           | 103.00 | 102.00 | 105.00          | 109.00  |
| 09421500                              | Colorado River below Hoover Dam, AZ-NV                            | 7,020,000                            | 8,470,000       | 9,560,000 | 10,600,000 | 11,100,000      | 22,200,000 | 6,390,000                                   | 7,150,000       | 7,860,000 | 8,740,000 | 9,120,000       | 18,800,000 | 37.20  | 41.70           | 45.80  | 50.90  | 53.10           | 110.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |           |           |                 |            | Annual dissolved-solids load, tons per year |                 |           |           |                 |            | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|-----------|-----------|-----------------|------------|---|-----------------|-----------|-----------|-----------------|------------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum    | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum    | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09424150                              | Colorado River Aqueduct near Parker Dam, AZ-CA         | 738,000                              | 1,160,000       | 1,210,000 | 1,160,000 | 1,260,000       | 1,310,000  | 633,000                                     | 956,000         | 1,020,000 | 980,000   | 1,050,000       | 1,220,000  | n/c  | n/c             | n/c    | n/c    | n/c             | n/c     |
| 09426600                              | Bill Williams River near Planet, AZ                    | 679                                  | 2,410           | 4,930     | 64,700    | 41,600          | 614,000    | 606   | 1,870           | 3,660     | 24,800    | 18,100          | 219,000    | 0.11   | 0.35            | 0.69   | 4.66   | 3.41            | 41.20   |
| 09426650                              | Central Arizona Project Canal at Havasu Pumping Plant  | 29,300                               | 505,000         | 779,000   | 896,000   | 1,350,000       | 1,630,000  | 22,800                                      | 439,000         | 716,000   | 758,000   | 1,120,000       | 1,320,000  | n/c  | n/c             | n/c    | n/c    | n/c             | n/c     |
| 09427520                              | Colorado River below Parker Dam, AZ-CA                 | 5,470,000                            | 6,880,000       | 7,330,000 | 8,820,000 | 8,820,000       | 21,100,000 | 5,040,000                                   | 6,190,000       | 6,520,000 | 7,650,000 | 7,640,000       | 18,500,000 | 27.60  | 33.90           | 35.70  | 41.90  | 41.80           | 101.00  |
| 09429490                              | Colorado River above Imperial Dam, AZ-CA               | 4,730,000                            | 5,820,000       | 6,170,000 | 7,880,000 | 7,840,000       | 19,900,000 | 4,880,000                                   | 5,920,000       | 6,390,000 | 7,640,000 | 8,080,000       | 18,900,000 | 25.90  | 31.40           | 33.90  | 40.50  | 42.80           | 100.00  |
| 09430600                              | Mogollon Creek near Cliff, NM                          | 1,720                                | 7,680           | 19,400    | 24,000    | 35,800          | 70,300     | 179   | 704             | 1,720     | 2,020     | 2,990           | 5,580      | 2.60   | 10.20           | 24.90  | 29.20  | 43.30           | 80.90   |
| 09431500                              | Gila River near Redrock, NM                            | 41,300                               | 75,300          | 162,000   | 184,000   | 233,000         | 479,000    | 14,100                                      | 22,100          | 41,100    | 41,900    | 51,200          | 90,000     | 4.98   | 7.81            | 14.50  | 14.80  | 18.10           | 31.80   |
| 09444000                              | San Francisco River near Glenwood, NM                  | 16,800                               | 28,700          | 60,700    | 83,600    | 124,000         | 254,000    | 5,820                                       | 8,240           | 15,500    | 19,300    | 27,800          | 53,500     | 3.52   | 4.99            | 9.38   | 11.70  | 16.80           | 32.40   |
| 09444600                              | San Francisco River near Clifton, AZ                   | 49,200                               | 76,300          | 196,000   | 231,000   | 351,000         | 600,000    | 44,000                                      | 58,600          | 91,000    | 88,300    | 117,000         | 142,000    | 15.90  | 21.20           | 32.80  | 31.90  | 42.10           | 51.10   |
| 09448500                              | Gila River at head of Safford Valley, near Solomon, AZ | 96,200                               | 159,000         | 350,000   | 446,000   | 654,000         | 1,610,000  | 67,900                                      | 96,400          | 155,000   | 166,000   | 209,000         | 356,000    | 8.60   | 12.20           | 19.70  | 21.00  | 26.50           | 45.10   |
| 09466500                              | Gila River at Calva, AZ                                | 32,200                               | 79,300          | 221,000   | 385,000   | 602,000         | 1,770,000  | 73,900                                      | 138,000         | 251,000   | 303,000   | 406,000         | 733,000    | 6.44   | 12.00           | 21.90  | 26.40  | 35.40           | 63.90   |
| 09471000                              | San Pedro River at Charleston, AZ                      | 7,050                                | 14,500          | 19,300    | 30,000    | 36,200          | 88,800     | 1,550                                       | 4,440           | 6,670     | 10,700    | 12,800          | 35,800     | 1.26   | 3.60            | 5.41   | 8.70   | 10.40           | 29.00   |
| 09474000                              | Gila River at Kelvin, AZ                               | 62,200                               | 283,000         | 380,000   | 462,000   | 520,000         | 2,370,000  | 56,400                                      | 251,000         | 358,000   | 377,000   | 441,000         | 1,230,000  | 3.13   | 13.90           | 19.90  | 20.90  | 24.50           | 68.40   |
| 09498400                              | Pinal Creek at Inspiration Dam, near Globe, AZ         | 2,730                                | 4,840           | 6,170     | 8,800     | 7,840           | 60,800     | 4,970                                       | 13,400          | 21,700    | 23,500    | 25,900          | 93,000     | 25.50  | 68.60           | 111.00 | 120.00 | 133.00          | 477.00  |
| 09498500                              | Salt River near Roosevelt, AZ                          | 138,000                              | 301,000         | 589,000   | 718,000   | 1,060,000       | 2,270,000  | 346,000                                     | 438,000         | 536,000   | 537,000   | 617,000         | 784,000    | 80.50  | 102.00          | 124.00 | 125.00 | 143.00          | 182.00  |
| 09499000                              | Tonto Creek above Gun Creek, near Roosevelt, AZ        | 13,800                               | 49,700          | 135,000   | 171,000   | 238,000         | 432,000    | 4,550                                       | 12,200          | 26,700    | 31,200    | 44,400          | 71,300     | 6.75   | 18.00           | 39.50  | 46.20  | 65.80           | 106.00  |
| 09502000                              | Salt River below Stewart Mountain Dam, AZ              | 127,000                              | 463,000         | 645,000   | 878,000   | 993,000         | 3,240,000  | 197,000                                     | 391,000         | 459,000   | 590,000   | 633,000         | 1,990,000  | 31.70  | 62.70           | 73.60  | 94.70  | 102.00          | 320.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |            | Annual dissolved-solids load, tons per year |                 |           |           |                 |            | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|------------|---|-----------------|-----------|-----------|-----------------|------------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum    | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum    | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 09504000                              | Verde River near Clarkdale, AZ  | 55,200                               | 64,500          | 87,500    | 127,000   | 133,000         | 466,000    | 15,500                                      | 23,000          | 26,600    | 28,700    | 32,200          | 53,900     | 4.42   | 6.56            | 7.59   | 8.20   | 9.19            | 15.40   |
| 09504440                              | Oak Creek at Red Rock Crossing, near Sedona, AZ                           | 24,000                               | 40,500          | 60,000    | 67,000    | 72,800          | 180,000    | 4,840                                       | 6,460           | 7,920     | 8,590     | 9,290           | 16,000     | 19.20  | 25.70           | 31.40  | 34.10  | 36.90           | 63.30   |
| 09505800                              | West Clear Creek near Camp Verde, AZ                                      | 11,100                               | 13,400          | 21,600    | 25,800    | 29,900          | 66,100     | 2,550                                       | 3,250           | 4,510     | 4,500     | 5,110           | 7,700      | 10.60  | 13.50           | 18.70  | 18.70  | 21.20           | 31.90   |
| 09507980                              | East Verde River near Childs, AZ  | 2,890                                | 13,800          | 32,200    | 49,700    | 68,100          | 209,000    | 1,030                                       | 3,480           | 7,810     | 10,100    | 14,000          | 37,800     | 3.12   | 10.50           | 23.60  | 30.50  | 42.40           | 114.00  |
| 09508300                              | Wet Bottom Creek near Childs, AZ  | 824                                  | 4,370           | 9,240     | 12,300    | 18,800          | 34,100     | 136   | 395             | 591       | 739       | 1,050           | 1,520      | 3.74   | 10.80           | 16.20  | 20.30  | 28.90           | 41.70   |
| 09508500                              | Verde River below Tangle Creek, above Horseshoe Dam, AZ                   | 128,000                              | 201,000         | 351,000   | 425,000   | 538,000         | 1,610,000  | 64,900                                      | 90,000          | 121,000   | 122,000   | 147,000         | 243,000    | 11.10  | 15.40           | 20.70  | 20.80  | 25.10           | 41.40   |
| 09510000                              | Verde River below Bartlett Dam, AZ  | 170,000                              | 228,000         | 305,000   | 470,000   | 519,000         | 1,840,000  | 68,700                                      | 99,200          | 120,000   | 162,000   | 186,000         | 578,000    | 11.10  | 16.10           | 19.40  | 26.30  | 30.30           | 93.80   |
| 09512800                              | Agua Fria River near Rock Springs, AZ                                     | 3,490                                | 12,700          | 39,200    | 65,600    | 79,100          | 360,000    | 1,200                                       | 5,460           | 12,700    | 20,800    | 21,900          | 97,500     | 1.08   | 4.92            | 11.50  | 18.70  | 19.70           | 87.70   |
| 09518000                              | Gila River above diversions, at Gillespie Dam, AZ                         | 27,400                               | 107,000         | 175,000   | 754,000   | 891,000         | 5,720,000  | 135,000                                     | 351,000         | 488,000   | 734,000   | 1,050,000       | 3,160,000  | 2.72   | 7.07            | 9.83   | 14.80  | 21.20           | 63.60   |
| 09520500                              | Gila River near Dome, AZ  | 2,840                                | 8,060           | 21,700    | 584,000   | 512,000         | 4,380,000  | 10,200                                      | 17,200          | 67,800    | 628,000   | 846,000         | 3,590,000  | 0.18   | 0.30            | 1.17   | 10.90  | 14.60           | 62.00   |
| 09522000                              | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 1,320,000                            | 1,430,000       | 2,120,000 | 3,990,000 | 4,490,000       | 16,600,000 | 1,610,000                                   | 1,750,000       | 2,250,000 | 3,870,000 | 4,230,000       | 14,000,000 | 6.51   | 7.11            | 9.10   | 15.70  | 17.10           | 56.90   |
| 09527500                              | All-American Canal below Pilot Knob Wasteway, CA                          | 2,800,000                            | 3,120,000       | 3,350,000 | 3,290,000 | 3,410,000       | 3,740,000  | 2,380,000                                   | 3,150,000       | 3,310,000 | 3,290,000 | 3,510,000       | 4,260,000  | n/c  | n/c             | n/c    | n/c    | n/c             | n/c     |
| 10010400                              | East Fork Bear River near Evanston, WY                                    | 22,500                               | 35,300          | 42,800    | 42,400    | 50,400          | 59,000     | 1,990                                       | 2,690           | 3,350     | 3,240     | 3,820           | 4,440      | 57.50  | 77.90           | 96.90  | 93.70  | 110.00          | 128.00  |
| 10011500                              | Bear River near Utah-Wyoming state line                                   | 58,900                               | 110,000         | 128,000   | 144,000   | 170,000         | 242,000    | 12,100                                      | 20,200          | 25,900    | 27,000    | 33,100          | 48,800     | 205.00   | 343.00          | 439.00 | 457.00 | 560.00          | 826.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|-----------|---|-----------------|---------|---------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 10015700                              | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY | 1,290                                | 9,000           | 13,500  | 14,800  | 16,700          | 33,100    | 620   | 3,730           | 5,420   | 5,970   | 7,110           | 12,500    | 9.65   | 58.10           | 84.30  | 93.00  | 111.00          | 195.00  |
| 10015900                              | Sulphur Creek below reservoir, near Evanston, WY                         | 2,820                                | 9,480           | 15,000  | 18,200  | 22,500          | 42,200    | 1,110                                       | 3,780           | 6,300   | 7,570   | 10,000          | 18,100    | 16.10  | 54.60           | 91.00  | 109.00 | 145.00          | 261.00  |
| 10020100                              | Bear River above reservoir, near Woodruff, UT                            | 32,600                               | 85,000          | 139,000 | 174,000 | 215,000         | 422,000   | 10,800                                      | 26,300          | 39,800  | 46,500  | 55,100          | 106,000   | 14.30  | 34.80           | 52.70  | 61.60  | 73.00           | 140.00  |
| 10020300                              | Bear River below reservoir, near Woodruff, UT                            | 32,000                               | 98,400          | 156,000 | 175,000 | 236,000         | 369,000   | 10,300                                      | 29,600          | 49,500  | 53,800  | 73,500          | 111,000   | 13.10  | 37.80           | 63.10  | 68.60  | 93.80           | 142.00  |
| 10026500                              | Bear River near Randolph, UT   | 18,300                               | 53,400          | 152,000 | 164,000 | 216,000         | 424,000   | 10,800                                      | 28,400          | 71,500  | 74,000  | 97,700          | 176,000   | 6.67   | 17.60           | 44.20  | 45.80  | 60.40           | 109.00  |
| 10032000                              | Smiths Fork near Border, WY  | 51,600                               | 98,400          | 142,000 | 141,000 | 175,000         | 234,000   | 14,900                                      | 26,600          | 36,800  | 36,300  | 44,200          | 57,800    | 90.50  | 161.00          | 223.00 | 220.00 | 268.00          | 350.00  |
| 10038000                              | Bear River below Smiths Fork, near Cokeville, WY                         | 81,200                               | 161,000         | 289,000 | 311,000 | 406,000         | 760,000   | 35,600                                      | 71,400          | 98,500  | 132,000 | 185,000         | 343,000   | 14.60  | 29.20           | 40.20  | 54.00  | 75.50           | 140.00  |
| 10039500                              | Bear River at Border, WY   | 75,100                               | 156,000         | 315,000 | 341,000 | 426,000         | 773,000   | 35,100                                      | 74,400          | 153,000 | 157,000 | 186,000         | 371,000   | 14.20  | 30.00           | 61.80  | 63.30  | 75.10           | 150.00  |
| 10041000                              | Thomas Fork near Wyoming-Idaho state line                                | 9,050                                | 20,000          | 42,900  | 41,200  | 57,300          | 94,100    | 8,440                                       | 15,000          | 23,700  | 22,000  | 27,600          | 39,800    | 74.70  | 133.00          | 209.00 | 195.00 | 244.00          | 352.00  |
| 10068500                              | Bear River at Pescadero, ID  | 201,000                              | 274,000         | 425,000 | 517,000 | 620,000         | 1,250,000 | 97,300                                      | 136,000         | 206,000 | 218,000 | 271,000         | 505,000   | 26.30  | 36.60           | 55.60  | 59.00  | 73.20           | 136.00  |
| 10092700                              | Bear River at Idaho-Utah state line                                      | 385,000                              | 514,000         | 734,000 | 883,000 | 1,000,000       | 1,980,000 | 284,000                                     | 344,000         | 510,000 | 611,000 | 799,000         | 1,340,000 | 58.20  | 70.50           | 104.00 | 125.00 | 164.00          | 275.00  |
| 10093000                              | Cub River near Preston, ID   | 22,900                               | 56,600          | 71,600  | 68,400  | 80,900          | 104,000   | 4,960                                       | 11,200          | 13,700  | 13,000  | 15,200          | 18,400    | 157.00   | 356.00          | 432.00 | 413.00 | 482.00          | 582.00  |
| 10099000                              | High Creek near Richmond, UT   | 10,200                               | 18,400          | 21,100  | 24,400  | 34,000          | 36,600    | 2,070                                       | 3,950           | 4,080   | 4,880   | 6,690           | 7,090     | 128.00   | 244.00          | 252.00 | 301.00 | 413.00          | 438.00  |
| 10104700                              | Little Bear River below Davenport Creek, near Avon, UT                   | 16,200                               | 24,700          | 40,800  | 42,500  | 53,400          | 86,100    | 4,470                                       | 6,370           | 10,100  | 9,810   | 12,100          | 17,100    | 72.50  | 103.00          | 164.00 | 159.00 | 196.00          | 277.00  |
| 10106000                              | Little Bear River near Paradise, UT                                      | 28,600                               | 58,700          | 85,900  | 84,500  | 94,700          | 167,000   | 10,900                                      | 18,400          | 23,500  | 23,800  | 26,700          | 42,300    | 54.80  | 93.00           | 119.00 | 120.00 | 135.00          | 214.00  |
| 10109000                              | Logan River above State Dam, near Logan, UT                              | 72,200                               | 105,000         | 174,000 | 168,000 | 200,000         | 319,000   | 22,300                                      | 28,800          | 43,300  | 41,800  | 51,200          | 72,200    | 104.00   | 135.00          | 202.00 | 195.00 | 239.00          | 337.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |           |           |                 |           | Annual dissolved-solids load, tons per year |                 |         |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |          |          |                 |          |
|---------------------------------------|---|--------------------------------------|-----------------|-----------|-----------|-----------------|-----------|---|-----------------|---------|-----------|-----------------|-----------|--|-----------------|----------|----------|-----------------|----------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median   | Mean     | 75th percentile | Maximum  |
| 10113500                              | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT | 43,100                               | 60,200          | 96,600    | 104,000   | 129,000         | 214,000   | 13,500                                      | 17,800          | 26,700  | 27,700    | 33,300          | 51,700    | 51.20  | 67.70           | 102.00   | 106.00   | 127.00          | 197.00   |
| 10118000                              | Bear River near Collinston, UT  | 594,000                              | 748,000         | 1,060,000 | 1,040,000 | 1,350,000       | 1,430,000 | 351,000                                     | 411,000         | 556,000 | 550,000   | 697,000         | 733,000   | 55.90  | 65.50           | 88.70    | 87.70    | 111.00          | 117.00   |
| 10125500                              | Malad River at Woodruff, ID   | 45,900                               | 46,700          | 60,000    | 60,600    | 66,900          | 81,300    | 129,000                                     | 137,000         | 151,000 | 154,000   | 168,000         | 179,000   | 273.00   | 291.00          | 321.00   | 326.00   | 356.00          | 380.00   |
| 10125600                              | Malad River near Plymouth, UT   | 53,500                               | 61,400          | 68,300    | 72,600    | 82,200          | 99,500    | 195,000                                     | 199,000         | 202,000 | 205,000   | 213,000         | 218,000   | 313.00   | 319.00          | 325.00   | 330.00   | 342.00          | 350.00   |
| 10126000                              | Bear River near Corinne, UT   | 316,000                              | 743,000         | 957,000   | 1,340,000 | 1,720,000       | 3,660,000 | 429,000                                     | 744,000         | 900,000 | 1,020,000 | 1,260,000       | 1,960,000 | 61.00  | 106.00          | 128.00   | 145.00   | 179.00          | 279.00   |
| 10126180                              | Sulphur Creek near Corinne, UT  | 41,300                               | 44,800          | 45,400    | 47,500    | 50,300          | 54,900    | 57,300                                      | 99,600          | 116,000 | 109,000   | 125,000         | 144,000   | 3,720.00   | 6,460.00        | 7,510.00 | 7,110.00 | 8,100.00        | 9,350.00 |
| 10128500                              | Weber River near Oakley, UT   | 58,500                               | 116,000         | 145,000   | 156,000   | 191,000         | 272,000   | 11,500                                      | 16,700          | 20,900  | 21,100    | 25,300          | 31,200    | 71.20  | 103.00          | 129.00   | 131.00   | 156.00          | 192.00   |
| 10130500                              | Weber River near Coalville, UT  | 80,900                               | 116,000         | 142,000   | 175,000   | 218,000         | 351,000   | 23,800                                      | 32,900          | 39,900  | 47,500    | 58,100          | 88,200    | 54.80  | 75.50           | 91.60    | 109.00   | 133.00          | 203.00   |
| 10131000                              | Chalk Creek at Coalville, UT  | 10,700                               | 31,700          | 47,000    | 59,900    | 80,900          | 143,000   | 5,350                                       | 14,300          | 18,400  | 23,300    | 29,400          | 52,400    | 21.40  | 57.10           | 73.70    | 93.20    | 118.00          | 209.00   |
| 10134500                              | East Canyon Creek near Morgan, UT                                       | 13,200                               | 29,600          | 45,800    | 50,100    | 65,700          | 96,000    | 6,500                                       | 12,000          | 17,600  | 21,100    | 24,600          | 40,800    | 45.10  | 83.10           | 122.00   | 147.00   | 171.00          | 284.00   |
| 10136500                              | Weber River at Gateway, UT  | 125,000                              | 226,000         | 371,000   | 461,000   | 572,000         | 1,010,000 | 52,100                                      | 84,400          | 129,000 | 151,000   | 181,000         | 300,000   | 32.00  | 51.90           | 79.20    | 92.80    | 112.00          | 184.00   |
| 10137500                              | South Fork Ogden River near Huntsville, UT                              | 26,700                               | 53,400          | 83,900    | 91,800    | 120,000         | 188,000   | 7,240                                       | 12,900          | 17,700  | 19,100    | 23,700          | 35,300    | 52.90  | 93.80           | 129.00   | 140.00   | 173.00          | 258.00   |
| 10139300                              | Wheeler Creek near Huntsville, UT                                       | 1,480                                | 4,210           | 7,580     | 8,090     | 11,700          | 17,500    | 375   | 917             | 1,630   | 1,700     | 2,410           | 3,460     | 33.80  | 82.60           | 147.00   | 153.00   | 217.00          | 311.00   |
| 10141000                              | Weber River near Plain City, UT   | 47,300                               | 172,000         | 353,000   | 391,000   | 546,000         | 1,030,000 | 29,800                                      | 76,500          | 139,000 | 138,000   | 185,000         | 308,000   | 14.30  | 36.70           | 66.90    | 66.40    | 89.00           | 148.00   |
| 10146000                              | Salt Creek at Nephi, UT   | 6,190                                | 14,400          | 20,200    | 20,700    | 24,800          | 40,200    | 5,760                                       | 9,760           | 12,000  | 11,700    | 13,200          | 18,000    | 60.30  | 102.00          | 126.00   | 122.00   | 138.00          | 189.00   |
| 10146400                              | Currant Creek near Mona, UT   | 5,710                                | 8,380           | 14,800    | 24,300    | 28,600          | 73,300    | 7,090                                       | 11,500          | 21,500  | 37,200    | 47,000          | 115,000   | 31.50  | 51.10           | 95.70    | 165.00   | 209.00          | 512.00   |
| 10148200                              | Tie Fork near Soldier Summit, UT  | 1,320                                | 2,210           | 3,480     | 4,520     | 6,420           | 10,300    | 654   | 1,050           | 1,670   | 2,230     | 3,040           | 5,780     | 33.70  | 53.90           | 85.90    | 115.00   | 157.00          | 298.00   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |         | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|---------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 10150500                              | Spanish Fork at Castilla, UT                                 | 115,000                              | 159,000         | 177,000 | 202,000 | 230,000         | 412,000 | 53,100                                      | 73,400          | 82,000  | 94,700  | 112,000         | 194,000 | 81.50  | 113.00          | 126.00 | 145.00 | 171.00          | 298.00  |
| 10152000                              | Spanish Fork near Lake Shore, UT                             | 28,200                               | 62,700          | 75,900  | 118,000 | 129,000         | 345,000 | 18,600                                      | 37,200          | 44,500  | 65,900  | 69,500          | 194,000 | 27.60  | 55.10           | 65.90  | 97.60  | 103.00          | 287.00  |
| 10154200                              | Provo River near Woodland, UT                                | 51,600                               | 125,000         | 146,000 | 152,000 | 183,000         | 254,000 | 8,160                                       | 12,000          | 14,600  | 14,500  | 17,400          | 20,200  | 50.40  | 74.00           | 90.10  | 89.70  | 107.00          | 125.00  |
| 10155000                              | Provo River near Hailstone, UT                               | 58,000                               | 154,000         | 178,000 | 188,000 | 237,000         | 302,000 | 11,200                                      | 19,200          | 24,500  | 24,900  | 31,000          | 36,600  | 48.50  | 83.50           | 107.00 | 108.00 | 135.00          | 159.00  |
| 10159500                              | Provo River below Deer Creek Dam, UT                         | 107,000                              | 189,000         | 247,000 | 260,000 | 312,000         | 464,000 | 36,200                                      | 62,900          | 77,200  | 81,200  | 94,300          | 141,000 | 66.30  | 115.00          | 141.00 | 148.00 | 172.00          | 259.00  |
| 10163000                              | Provo River at Provo, UT                                     | 30,100                               | 79,100          | 144,000 | 167,000 | 205,000         | 401,000 | 12,100                                      | 28,600          | 49,400  | 55,500  | 66,600          | 131,000 | 17.90  | 42.50           | 73.40  | 82.50  | 99.00           | 194.00  |
| 10164500                              | American Fork above upper powerplant, near American Fork, UT | 14,800                               | 28,900          | 43,400  | 46,400  | 63,200          | 82,300  | 5,210                                       | 9,300           | 12,400  | 12,700  | 16,200          | 20,500  | 102.00   | 182.00          | 243.00 | 249.00 | 317.00          | 401.00  |
| 10171000                              | Jordan River at 1700 South at Salt Lake City, UT             | 75,500                               | 90,100          | 105,000 | 105,000 | 115,000         | 162,000 | 92,300                                      | 114,000         | 127,000 | 129,000 | 146,000         | 169,000 | 26.80  | 33.10           | 37.00  | 37.60  | 42.40           | 49.10   |
| 10172200                              | Red Butte Creek at Fort Douglas, near Salt Lake City, UT     | 816                                  | 1,710           | 2,490   | 3,110   | 3,920           | 9,070   | 474   | 864             | 1,220   | 1,430   | 1,780           | 3,680   | 65.40  | 119.00          | 169.00 | 198.00 | 246.00          | 508.00  |
| 10172700                              | Vernon Creek near Vernon, UT                                 | 1,380                                | 2,210           | 3,140   | 3,710   | 4,150           | 8,700   | 458   | 726             | 1,030   | 1,360   | 1,570           | 3,370   | 18.20  | 28.80           | 41.00  | 54.00  | 62.40           | 134.00  |
| 10172800                              | South Willow Creek near Grantsville, UT                      | 2,200                                | 3,180           | 3,980   | 4,880   | 6,210           | 10,800  | 454   | 610             | 846     | 997     | 1,310           | 2,090   | 108.00   | 145.00          | 202.00 | 238.00 | 312.00          | 499.00  |
| 10172805                              | North Willow Creek near Grantsville, UT                      | 1,580                                | 2,520           | 3,370   | 4,190   | 4,990           | 9,680   | 316   | 473             | 713     | 812     | 989             | 1,750   | 58.80  | 88.00           | 133.00 | 151.00 | 184.00          | 325.00  |
| 10172870                              | Trout Creek near Callao, UT                                  | 1,500                                | 2,990           | 3,710   | 4,330   | 4,680           | 11,800  | 79  | 182             | 212     | 316     | 316             | 1,430   | 9.68   | 22.20           | 25.90  | 38.60  | 38.50           | 174.00  |
| 10172952                              | Dunn Creek near Park Valley, UT                              | 1,750                                | 2,530           | 3,440   | 4,410   | 6,730           | 8,680   | 239   | 386             | 539     | 623     | 936             | 1,170   | 27.50  | 44.20           | 61.80  | 71.50  | 107.00          | 134.00  |
| 10173450                              | Mammoth Creek above West Hatch Ditch, near Hatch, UT         | 7,240                                | 17,700          | 30,800  | 34,300  | 43,600          | 81,300  | 1,370                                       | 2,890           | 5,000   | 5,310   | 6,770           | 11,700  | 13.10  | 27.50           | 47.70  | 50.50  | 64.50           | 112.00  |
| 10174500                              | Sevier River at Hatch, UT                                    | 30,900                               | 49,100          | 73,000  | 82,500  | 96,800          | 181,000 | 9,070                                       | 13,000          | 19,400  | 20,800  | 24,800          | 41,400  | 26.70  | 38.20           | 57.10  | 61.20  | 72.80           | 122.00  |
| 10176300                              | Panguitch Creek near Panguitch, UT                           | 7,730                                | 14,500          | 17,600  | 17,400  | 21,200          | 24,800  | 1,300                                       | 2,470           | 2,780   | 2,920   | 3,470           | 4,470   | 13.40  | 25.50           | 28.60  | 30.10  | 35.80           | 46.10   |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |         | Annual dissolved-solids load, tons per year |                 |           |           |                 |           | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|---------|---|-----------------|-----------|-----------|-----------------|-----------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum                                     | 25th percentile | Median    | Mean      | 75th percentile | Maximum   | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 10180000                              | Sevier River near Circleville, UT                    | 46,800                               | 69,700          | 96,600  | 105,000 | 127,000         | 244,000 | 18,200                                      | 24,900          | 34,300    | 35,600    | 42,900          | 72,400    | 18.50  | 25.30           | 34.80  | 36.10  | 43.50           | 73.50   |
| 10183500                              | Sevier River near Kingston, UT                       | 35,800                               | 55,100          | 86,200  | 90,000  | 109,000         | 213,000 | 15,700                                      | 23,200          | 35,300    | 35,700    | 43,100          | 76,400    | 13.90  | 20.50           | 31.20  | 31.60  | 38.10           | 67.60   |
| 10187300                              | Otter Creek near Koosharem, UT                       | 6,570                                | 7,610           | 8,850   | 8,660   | 9,450           | 10,400  | 679   | 750             | 803       | 806       | 835             | 967       | 28.90  | 31.90           | 34.20  | 34.30  | 35.60           | 41.20   |
| 10191500                              | Sevier River below Piute Dam, near Marysville, UT    | 75,600                               | 106,000         | 148,000 | 164,000 | 184,000         | 361,000 | 29,500                                      | 42,700          | 60,600    | 64,500    | 71,200          | 137,000   | 12.10  | 17.50           | 24.80  | 26.40  | 29.20           | 56.20   |
| 10208500                              | Oak Creek near Fairview, UT                          | 1,950                                | 5,970           | 8,660   | 9,250   | 11,800          | 19,600  | 692   | 2,110           | 2,780     | 3,230     | 3,710           | 8,310     | 58.70  | 178.00          | 236.00 | 274.00 | 315.00          | 704.00  |
| 10219000                              | Sevier River near Juab, UT                           | 106,000                              | 132,000         | 176,000 | 284,000 | 282,000         | 959,000 | 174,000                                     | 230,000         | 272,000   | 387,000   | 417,000         | 1,190,000 | 33.60  | 44.60           | 52.60  | 75.00  | 80.80           | 231.00  |
| 10219200                              | Chicken Creek near Levan, UT                         | 730                                  | 1,560           | 4,540   | 6,890   | 7,950           | 29,900  | 520   | 1,100           | 2,470     | 3,920     | 4,850           | 16,600    | 18.70  | 39.40           | 88.40  | 140.00 | 174.00          | 596.00  |
| 10224000                              | Sevier River near Lynndyl, UT                        | 97,700                               | 127,000         | 147,000 | 253,000 | 179,000         | 993,000 | 153,000                                     | 193,000         | 221,000   | 339,000   | 266,000         | 1,140,000 | 25.60  | 32.40           | 37.00  | 56.80  | 44.50           | 191.00  |
| 10237000                              | Beaver River at Adamsville, UT                       | 7,110                                | 14,800          | 22,900  | 34,300  | 42,600          | 130,000 | 2,910                                       | 5,880           | 8,430     | 10,800    | 13,800          | 32,800    | 9.60   | 19.40           | 27.80  | 35.70  | 45.60           | 108.00  |
| 10241470                              | Center Creek above Parowan Creek, near Parowan, UT   | 2,590                                | 3,740           | 4,240   | 4,380   | 4,720           | 7,330   | 720   | 961             | 1,090     | 1,080     | 1,130           | 1,620     | 62.10  | 82.80           | 93.60  | 92.80  | 97.30           | 140.00  |
| 10242000                              | Coal Creek near Cedar City, UT                       | 8,290                                | 14,300          | 24,000  | 24,900  | 30,200          | 62,300  | 4,150                                       | 5,790           | 9,380     | 9,020     | 11,000          | 18,500    | 51.30  | 71.60           | 116.00 | 111.00 | 136.00          | 228.00  |
| 10244950                              | Steptoe Creek near Ely, NV                           | 2,060                                | 3,220           | 4,160   | 5,000   | 6,280           | 13,700  | 504   | 768             | 1,060     | 1,290     | 1,630           | 3,790     | 45.40  | 69.20           | 95.90  | 116.00 | 147.00          | 342.00  |
| 10249300                              | South Twin River near Round Mountain, NV             | 1,750                                | 2,650           | 3,910   | 5,090   | 6,180           | 14,600  | 206   | 304             | 436       | 541       | 647             | 1,460     | 10.30  | 15.20           | 21.80  | 27.10  | 32.40           | 72.90   |
| 10249900                              | Chiatovich Creek near Dyer, NV                       | 4,530                                | 5,250           | 7,140   | 6,410   | 7,250           | 7,700   | 299   | 333             | 437       | 409       | 474             | 490       | 8.01   | 8.92            | 11.70  | 11.00  | 12.70           | 13.10   |
| 10254670                              | Alamo River at drop 3, near Calipatria, CA           | 455,000                              | 488,000         | 519,000 | 514,000 | 538,000         | 603,000 | 1,490,000                                   | 1,590,000       | 1,640,000 | 1,660,000 | 1,710,000       | 1,900,000 | n/c  | n/c             | n/c    | n/c    | n/c             | n/c     |
| 10254970                              | New River at International Boundary, at Calexico, CA | 146,000                              | 169,000         | 222,000 | 212,000 | 253,000         | 262,000 | 865,000                                     | 953,000         | 1,130,000 | 1,090,000 | 1,230,000       | 1,260,000 | n/c  | n/c             | n/c    | n/c    | n/c             | n/c     |
| 10256500                              | Snow Creek near White Water, CA                      | 740                                  | 2,060           | 3,610   | 5,850   | 7,190           | 20,600  | 85  | 206             | 337       | 480       | 599             | 1,430     | 7.78   | 18.90           | 30.90  | 44.10  | 55.00           | 131.00  |

**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |   | Annual discharge, acre-feet per year |                 |         |         |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|---|--------------------------------------|-----------------|---------|---------|-----------------|-----------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name   | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 10261500                              | Mojave River at Lower Narrows, near Victorville, CA     | 16,600                               | 20,100          | 28,200  | 72,500  | 72,300          | 230,000   | 7,780                                       | 8,330           | 10,500  | 16,700  | 18,100          | 39,300  | 15.20  | 16.20           | 20.40  | 32.50  | 35.20           | 76.50   |
| 10265150                              | Hot Creek at Flume, near Mammoth Lakes, CA              | 27,200                               | 32,300          | 40,800  | 44,400  | 54,600          | 80,700    | 14,400                                      | 16,000          | 17,300  | 17,200  | 18,200          | 21,200  | 211.00   | 234.00          | 253.00 | 252.00 | 266.00          | 311.00  |
| 10277400                              | Owens River below Tinemaha Reservoir, near Big Pine, CA | 209,000                              | 380,000         | 415,000 | 400,000 | 445,000         | 551,000   | 60,500                                      | 91,100          | 97,400  | 94,900  | 99,800          | 124,000 | 30.80  | 46.40           | 49.60  | 48.30  | 50.80           | 62.90   |
| 10293000                              | East Walker River near Bridgeport, CA                   | 30,500                               | 100,000         | 122,000 | 136,000 | 173,000         | 321,000   | 7,280                                       | 14,500          | 22,500  | 22,400  | 26,600          | 39,000  | 20.30  | 40.30           | 62.60  | 62.40  | 74.20           | 109.00  |
| 10296500                              | West Walker River near Coleville, CA                    | 53,900                               | 183,000         | 257,000 | 240,000 | 301,000         | 408,000   | 5,690                                       | 11,600          | 14,100  | 13,700  | 16,900          | 19,600  | 22.70  | 46.40           | 56.30  | 54.80  | 67.60           | 78.20   |
| 10297500                              | West Walker River at Hoye Bridge, near Wellington, CA   | 44,100                               | 89,500          | 139,000 | 181,000 | 286,000         | 449,000   | 8,740                                       | 12,300          | 16,200  | 20,300  | 29,300          | 41,500  | 17.60  | 24.70           | 32.70  | 40.80  | 59.00           | 83.50   |
| 10301500                              | Walker River near Wabuska, NV                           | 17,900                               | 24,800          | 66,000  | 128,000 | 221,000         | 603,000   | 5,840                                       | 8,440           | 24,100  | 35,400  | 51,000          | 149,000 | 2.25   | 3.25            | 9.26   | 13.60  | 19.60           | 57.40   |
| 10309000                              | East Fork Carson River near Gardnerville, NV            | 143,000                              | 265,000         | 362,000 | 360,000 | 433,000         | 620,000   | 18,800                                      | 25,300          | 34,000  | 33,300  | 40,500          | 48,800  | 52.90  | 71.10           | 95.50  | 93.70  | 114.00          | 137.00  |
| 10310000                              | West Fork Carson River at Woodfords, CA                 | 18,900                               | 53,600          | 81,400  | 85,700  | 109,000         | 176,000   | 1,540                                       | 3,400           | 5,010   | 5,140   | 6,980           | 9,280   | 23.50  | 52.00           | 76.60  | 78.70  | 107.00          | 142.00  |
| 10311000                              | Carson River near Carson City, NV                       | 42,300                               | 224,000         | 379,000 | 386,000 | 510,000         | 827,000   | 15,900                                      | 42,800          | 59,000  | 58,900  | 77,400          | 101,000 | 18.00  | 48.30           | 66.60  | 66.50  | 87.30           | 114.00  |
| 10311100                              | Kings Canyon Creek near Carson City, NV                 | 409                                  | 856             | 1,080   | 1,530   | 2,090           | 3,330     | 52  | 80              | 102     | 148     | 199             | 321     | 12.80  | 19.60           | 25.20  | 36.50  | 49.00           | 79.00   |
| 10311200                              | Ash Canyon Creek near Carson City, NV                   | 1,210                                | 1,670           | 2,100   | 2,840   | 3,950           | 5,640     | 111   | 138             | 162     | 216     | 290             | 384     | 21.30  | 26.60           | 31.20  | 41.50  | 55.70           | 73.90   |
| 10312000                              | Carson River near Fort Churchill, NV                    | 26,200                               | 77,000          | 216,000 | 271,000 | 412,000         | 805,000   | 11,900                                      | 23,400          | 45,300  | 46,600  | 66,400          | 108,000 | 8.17   | 16.10           | 31.20  | 32.10  | 45.80           | 74.20   |
| 10312150                              | Carson River below Lahontan Reservoir, near Fallon, NV  | 131,000                              | 263,000         | 325,000 | 354,000 | 431,000         | 772,000   | 47,700                                      | 77,300          | 87,700  | 90,300  | 105,000         | 145,000 | 26.50  | 42.90           | 48.70  | 50.10  | 58.60           | 80.40   |
| 10321000                              | Humboldt River near Carlin, NV                          | 55,200                               | 101,000         | 277,000 | 317,000 | 431,000         | 1,260,000 | 21,700                                      | 37,100          | 95,900  | 107,000 | 139,000         | 405,000 | 5.04   | 8.62            | 22.30  | 24.90  | 32.20           | 94.10   |
| 10322500                              | Humboldt River at Palisade, NV                          | 90,100                               | 198,000         | 390,000 | 493,000 | 598,000         | 1,340,000 | 37,900                                      | 72,500          | 135,000 | 163,000 | 195,000         | 417,000 | 7.50   | 14.30           | 26.70  | 32.30  | 38.60           | 82.50   |
| 10324500                              | Rock Creek near Battle Mountain, NV                     | 1,920                                | 27,800          | 38,300  | 56,400  | 71,200          | 171,000   | 634   | 6,000           | 8,050   | 12,100  | 14,900          | 36,900  | 0.73   | 6.95            | 9.32   | 14.00  | 17.30           | 42.70   |



**Appendix 4.** Summary statistics for annual discharge, dissolved-solids load, and dissolved-solids yield at 420 surface-water-quality monitoring sites in the Southwestern United States—Continued.

| Surface-water-quality monitoring site |  | Annual discharge, acre-feet per year |                 |         |         |                 |           | Annual dissolved-solids load, tons per year |                 |         |         |                 |         | Annual dissolved-solids yield, tons per year per square mile |                 |        |        |                 |         |
|---------------------------------------|--|--------------------------------------|-----------------|---------|---------|-----------------|-----------|---|-----------------|---------|---------|-----------------|---------|--|-----------------|--------|--------|-----------------|---------|
| USGS site identifier                  | Site name  | Minimum                              | 25th percentile | Median  | Mean    | 75th percentile | Maximum   | Minimum                                     | 25th percentile | Median  | Mean    | 75th percentile | Maximum | Minimum  | 25th percentile | Median | Mean   | 75th percentile | Maximum |
| 10335000                              | Humboldt River near Rye Patch, NV                                | 93,600                               | 132,000         | 169,000 | 337,000 | 333,000         | 1,450,000 | 83,100                                      | 104,000         | 122,000 | 233,000 | 240,000         | 962,000 | 5.16   | 6.47            | 7.56   | 14.50  | 14.90           | 59.70   |
| 10336580                              | Upper Truckee River at South Upper Truckee Road, near Meyers, CA | 10,200                               | 13,700          | 22,800  | 26,400  | 36,100          | 52,400    | 265   | 304             | 468     | 539     | 734             | 981     | 18.80  | 21.50           | 33.20  | 38.20  | 52.10           | 69.70   |
| 10336610                              | Upper Truckee River at South Lake Tahoe, CA                      | 22,200                               | 43,400          | 74,700  | 73,900  | 102,000         | 144,000   | 2,680                                       | 4,100           | 5,730   | 5,880   | 7,390           | 9,550   | 48.90  | 74.60           | 104.00 | 107.00 | 135.00          | 174.00  |
| 10336645                              | General Creek near Meeks Bay, CA                                 | 4,230                                | 9,630           | 15,100  | 13,200  | 17,400          | 22,100    | 106   | 201             | 256     | 250     | 318             | 364     | 14.20  | 27.00           | 34.50  | 33.60  | 42.70           | 48.90   |
| 10336676                              | Ward Creek at Highway 89, near Tahoe Pines, CA                   | 6,200                                | 15,300          | 22,800  | 20,700  | 26,500          | 35,000    | 286   | 582             | 799     | 752     | 941             | 1,210   | 29.40  | 60.00           | 82.40  | 77.50  | 97.00           | 125.00  |
| 10336698                              | Third Creek near Crystal Bay, NV                                 | 2,120                                | 2,830           | 4,060   | 5,280   | 8,140           | 10,100    | 139   | 176             | 249     | 316     | 479             | 578     | 23.20  | 29.30           | 41.40  | 52.50  | 79.50           | 96.00   |
| 10336700                              | Incline Creek near Crystal Bay, NV                               | 1,820                                | 2,390           | 3,480   | 5,220   | 8,150           | 11,200    | 119   | 180             | 304     | 383     | 591             | 772     | 17.80  | 27.00           | 45.40  | 57.30  | 88.30           | 115.00  |
| 10336775                              | Trout Creek at Pioneer Trail, near South Lake Tahoe, CA          | 5,600                                | 7,140           | 13,100  | 17,200  | 25,500          | 33,900    | 278   | 357             | 572     | 635     | 894             | 1,110   | 11.70  | 15.10           | 24.10  | 26.80  | 37.70           | 46.90   |
| 10343500                              | Sagehen Creek near Truckee, CA                                   | 2,180                                | 3,160           | 7,160   | 8,090   | 12,900          | 16,700    | 246   | 313             | 556     | 569     | 780             | 1,040   | 23.50  | 29.80           | 53.00  | 54.20  | 74.30           | 98.70   |
| 10346000                              | Truckee River at Farad, CA                                       | 271,000                              | 392,000         | 561,000 | 715,000 | 906,000         | 1,770,000 | 26,400                                      | 33,600          | 44,800  | 53,100  | 64,900          | 111,000 | 28.30  | 36.00           | 48.00  | 56.90  | 69.70           | 120.00  |
| 10351700                              | Truckee River near Nixon, NV                                     | 17,400                               | 55,700          | 179,000 | 391,000 | 557,000         | 1,890,000 | 13,300                                      | 24,900          | 48,300  | 64,200  | 84,900          | 218,000 | 7.28   | 13.60           | 26.40  | 35.10  | 46.40           | 119.00  |
| 10352500                              | McDermitt Creek near McDermitt, NV                               | 4,430                                | 14,200          | 27,300  | 30,600  | 39,800          | 71,300    | 1,230                                       | 3,330           | 5,990   | 6,780   | 8,170           | 16,000  | 5.46   | 14.80           | 26.60  | 30.10  | 36.30           | 71.10   |
| 11042000                              | San Luis Rey River at Oceanside, CA                              | 7,380                                | 20,600          | 34,000  | 67,900  | 93,500          | 301,000   | 16,300                                      | 34,700          | 50,600  | 68,400  | 83,100          | 232,000 | 29.30  | 62.30           | 90.80  | 123.00 | 149.00          | 416.00  |
| 11066460                              | Santa Ana River at Metropolitan Water District Crossing, CA      | 21,000                               | 58,500          | 78,000  | 102,000 | 99,600          | 301,000   | 17,900                                      | 44,100          | 51,400  | 52,300  | 58,000          | 107,000 | 21.00  | 51.80           | 60.30  | 61.40  | 68.10           | 126.00  |
| 11074000                              | Santa Ana River below Prado Dam, CA                              | 72,300                               | 145,000         | 179,000 | 223,000 | 222,000         | 570,000   | 62,000                                      | 122,000         | 146,000 | 169,000 | 173,000         | 440,000 | 41.60  | 82.10           | 97.80  | 113.00 | 116.00          | 295.00  |
| 11103000                              | Los Angeles River at Long Beach, CA                              | 72,500                               | 117,000         | 158,000 | 306,000 | 539,000         | 760,000   | 29,700                                      | 35,500          | 70,400  | 79,200  | 107,000         | 189,000 | 35.90  | 42.90           | 85.10  | 95.80  | 130.00          | 228.00  |
| 11108500                              | Santa Clara River at Los Angeles-Ventura County Line, CA         | 10,400                               | 23,400          | 31,100  | 46,700  | 59,700          | 125,000   | 17,800                                      | 30,600          | 37,200  | 49,600  | 64,300          | 105,000 | 28.50  | 48.90           | 59.60  | 79.30  | 103.00          | 168.00  |

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**Appendix 5. Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States.**

[Period for median varies by site and is listed in appendix 2. n/d, physiographic province not divided into sections or only one section occurs within the Southwest; mg/L, milligrams per liter. AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1]

| USGS site identifier | Site name   | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|---|---|---|--|--|---|
| 10261500             | Mojave River at Lower Narrows, near Victorville, CA                       | Basin and Range                         | Y   | Sonoran Desert                         | Y  | 278   |
| 09520500             | Gila River near Dome, AZ  | Basin and Range                         | Y   | Sonoran Desert                         | N  | 2,265   |
| 09518000             | Gila River above diversions, at Gillespie Dam, AZ                         | Basin and Range                         | Y   | Sonoran Desert                         | N  | 2,420   |
| 09502000             | Salt River below Stewart Mountain Dam, AZ                                 | Basin and Range                         | Y   | Sonoran Desert                         | N  | 521   |
| 09429490             | Colorado River above Imperial Dam, AZ-CA                                  | Basin and Range                         | N   | Sonoran Desert                         | N  | 727   |
| 09427520             | Colorado River below Parker Dam, AZ-CA                                    | Basin and Range                         | N   | Sonoran Desert                         | N  | 653   |
| 09426650             | Central Arizona Project Canal at Havasu Pumping Plant                     | Basin and Range                         | N   | Sonoran Desert                         | N  | 609   |
| 09426600             | Bill Williams River near Planet, AZ                                       | Basin and Range                         | N   | Sonoran Desert                         | N  | 579   |
| 09424150             | Colorado River Aqueduct near Parker Dam, AZ-CA                            | Basin and Range                         | N   | Sonoran Desert                         | N  | 617   |
| 09421500             | Colorado River below Hoover Dam, AZ-NV                                    | Basin and Range                         | N   | Sonoran Desert                         | N  | 627   |
| 09419800             | Las Vegas Wash below Lake Las Vegas, near Boulder City, NV                | Basin and Range                         | Y   | Sonoran Desert                         | Y  | 2,463   |
| 09419678.3           | Las Vegas Wash below Flamingo Wash confluence, near Las Vegas, NV         | Basin and Range                         | Y   | Sonoran Desert                         | Y  | 3,102   |
| 10254970             | New River at International Boundary, at Calexico, CA                      | Basin and Range                         | Y   | Salton Trough                          | Y  | 3,891   |
| 10254670             | Alamo River at drop 3, near Calipatria, CA                                | Basin and Range                         | Y   | Salton Trough                          | Y  | 2,390   |
| 09527500             | All-American Canal below Pilot Knob Wasteway, CA                          | Basin and Range                         | N   | Salton Trough                          | N  | 729   |
| 09522000             | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | Basin and Range                         | N   | Salton Trough                          | N  | 823   |
| 09512800             | Agua Fria River near Rock Springs, AZ                                     | Basin and Range                         | Y   | Mexican Highland                       | Y  | 392   |
| 09510000             | Verde River below Bartlett Dam, AZ  | Basin and Range                         | Y   | Mexican Highland                       | Y  | 280   |
| 09508500             | Verde River below Tangle Creek, above Horseshoe Dam, AZ                   | Basin and Range                         | Y   | Mexican Highland                       | Y  | 362   |
| 09508300             | Wet Bottom Creek near Childs, AZ  | Basin and Range                         | Y   | Mexican Highland                       | Y  | 183   |
| 09507980             | East Verde River near Childs, AZ  | Basin and Range                         | Y   | Mexican Highland                       | Y  | 228   |
| 09505800             | West Clear Creek near Camp Verde, AZ                                      | Basin and Range                         | N   | Mexican Highland                       | N  | 203   |
| 09504440             | Oak Creek at Red Rock Crossing, near Sedona, AZ                           | Basin and Range                         | N   | Mexican Highland                       | N  | 154   |
| 09504000             | Verde River near Clarkdale, AZ  | Basin and Range                         | N   | Mexican Highland                       | N  | 274   |
| 09499000             | Tonto Creek above Gun Creek, near Roosevelt, AZ                           | Basin and Range                         | Y   | Mexican Highland                       | Y  | 234   |
| 09498500             | Salt River near Roosevelt, AZ   | Basin and Range                         | Y   | Mexican Highland                       | Y  | 1,318   |
| 09498400             | Pinal Creek at Inspiration Dam, near Globe, AZ                            | Basin and Range                         | Y   | Mexican Highland                       | Y  | 2,669   |
| 09474000             | Gila River at Kelvin, AZ  | Basin and Range                         | Y   | Mexican Highland                       | Y  | 737   |
| 09471000             | San Pedro River at Charleston, AZ   | Basin and Range                         | Y   | Mexican Highland                       | Y  | 299   |
| 09466500             | Gila River at Calva, AZ   | Basin and Range                         | Y   | Mexican Highland                       | Y  | 1,489   |
| 09448500             | Gila River at head of Safford Valley, near Solomon, AZ                    | Basin and Range                         | Y   | Mexican Highland                       | Y  | 503   |

## 5-2 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 1–5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name   | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|---|---|---|--|--|---|
| 09444600             | San Francisco River near Clifton, AZ                    | Basin and Range                         | Y   | Mexican Highland                       | Y  | 599   |
| 09444000             | San Francisco River near Glenwood, NM                   | Basin and Range                         | Y   | Mexican Highland                       | Y  | 217   |
| 09431500             | Gila River near Redrock, NM                             | Basin and Range                         | Y   | Mexican Highland                       | Y  | 227   |
| 09430600             | Mogollon Creek near Cliff, NM                           | Basin and Range                         | Y   | Mexican Highland                       | Y  | 75  |
| 08481500             | Tularosa Creek near Bent, NM                            | Basin and Range                         | Y   | Mexican Highland                       | Y  | 980   |
| 08477110             | Mimbres River at Mimbres, NM                            | Basin and Range                         | Y   | Mexican Highland                       | Y  | 187   |
| 08364000             | Rio Grande at El Paso, TX                               | Basin and Range                         | Y   | Mexican Highland                       | Y  | 730   |
| 08358400             | Rio Grande floodway at San Marcial, NM                  | Basin and Range                         | N   | Mexican Highland                       | N  | 438   |
| 08354900             | Rio Grande floodway at San Acacia, NM                   | Basin and Range                         | N   | Mexican Highland                       | N  | 387   |
| 08354000             | Rio Salado near San Acacia, NM                          | Basin and Range                         | N   | Mexican Highland                       | N  | 3,583   |
| 08353000             | Rio Puerco near Bernardo, NM                            | Basin and Range                         | Y   | Mexican Highland                       | Y  | 2,077   |
| 08332010             | Rio Grande floodway near Bernardo, NM                   | Basin and Range                         | N   | Mexican Highland                       | N  | 343   |
| 08330000             | Rio Grande at Albuquerque, NM                           | Basin and Range                         | N   | Mexican Highland                       | N  | 242   |
| 08329000             | Jemez River below Jemez Canyon Dam, NM                  | Basin and Range                         | N   | Mexican Highland                       | N  | 778   |
| 08319000             | Rio Grande at San Felipe, NM                            | Basin and Range                         | N   | Mexican Highland                       | N  | 219   |
| 08317200             | Santa Fe River above Cochiti Lake, NM                   | Basin and Range                         | Y   | Mexican Highland                       | Y  | 356   |
| 10352500             | McDermitt Creek near McDermitt, NV                      | Basin and Range                         | Y   | Great Basin                            | Y  | 195   |
| 10351700             | Truckee River near Nixon, NV                            | Basin and Range                         | Y   | Great Basin                            | Y  | 325   |
| 10335000             | Humboldt River near Rye Patch, NV                       | Basin and Range                         | Y   | Great Basin                            | Y  | 541   |
| 10324500             | Rock Creek near Battle Mountain, NV                     | Basin and Range                         | Y   | Great Basin                            | Y  | 222   |
| 10322500             | Humboldt River at Palisade, NV                          | Basin and Range                         | Y   | Great Basin                            | Y  | 304   |
| 10321000             | Humboldt River near Carlin, NV                          | Basin and Range                         | Y   | Great Basin                            | Y  | 297   |
| 10312150             | Carson River below Lahontan Reservoir, near Fallon, NV  | Basin and Range                         | Y   | Great Basin                            | Y  | 179   |
| 10312000             | Carson River near Fort Churchill, NV                    | Basin and Range                         | Y   | Great Basin                            | Y  | 240   |
| 10311000             | Carson River near Carson City, NV                       | Basin and Range                         | N   | Great Basin                            | N  | 177   |
| 10301500             | Walker River near Wabuska, NV                           | Basin and Range                         | Y   | Great Basin                            | Y  | 262   |
| 10297500             | West Walker River at Hoye Bridge, near Wellington, CA   | Basin and Range                         | N   | Great Basin                            | N  | 114   |
| 10277400             | Owens River below Tinemaha Reservoir, near Big Pine, CA | Basin and Range                         | Y   | Great Basin                            | Y  | 171   |
| 10265150             | Hot Creek at Flume, near Mammoth Lakes, CA              | Basin and Range                         | Y   | Great Basin                            | Y  | 332   |
| 10249900             | Chiatovich Creek near Dyer, NV                          | Basin and Range                         | Y   | Great Basin                            | Y  | 48  |
| 10249300             | South Twin River near Round Mountain, NV                | Basin and Range                         | Y   | Great Basin                            | Y  | 88  |
| 10244950             | Steptoe Creek near Ely, NV                              | Basin and Range                         | Y   | Great Basin                            | Y  | 185   |
| 10237000             | Beaver River at Adamsville, UT                          | Basin and Range                         | Y   | Great Basin                            | Y  | 296   |
| 10224000             | Sevier River near Lynndyl, UT                           | Basin and Range                         | Y   | Great Basin                            | Y  | 1,226   |
| 10219200             | Chicken Creek near Levan, UT                            | Basin and Range                         | Y   | Great Basin                            | Y  | 497   |
| 10219000             | Sevier River near Juab, UT                              | Basin and Range                         | Y   | Great Basin                            | Y  | 1,147   |

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name  | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
| 10172870             | Trout Creek near Callao, UT                                  | Basin and Range                         | Y   | Great Basin                            | Y  | 45  |
| 10172805             | North Willow Creek near Grantsville, UT                      | Basin and Range                         | Y   | Great Basin                            | Y  | 162   |
| 10172800             | South Willow Creek near Grantsville, UT                      | Basin and Range                         | Y   | Great Basin                            | Y  | 168   |
| 10172700             | Vernon Creek near Vernon, UT                                 | Basin and Range                         | Y   | Great Basin                            | Y  | 250   |
| 10172200             | Red Butte Creek at Fort Douglas, near Salt Lake City, UT     | Basin and Range                         | Y   | Great Basin                            | Y  | 391   |
| 10171000             | Jordan River at 1700 South at Salt Lake City, UT             | Basin and Range                         | Y   | Great Basin                            | Y  | 925   |
| 10164500             | American Fork above upper powerplant, near American Fork, UT | Basin and Range                         | N   | Great Basin                            | N  | 257   |
| 10163000             | Provo River at Provo, UT                                     | Basin and Range                         | N   | Great Basin                            | N  | 262   |
| 10152000             | Spanish Fork near Lake Shore, UT                             | Basin and Range                         | N   | Great Basin                            | N  | 484   |
| 10150500             | Spanish Fork at Castilla, UT                                 | Basin and Range                         | N   | Great Basin                            | N  | 393   |
| 10146400             | Currant Creek near Mona, UT                                  | Basin and Range                         | Y   | Great Basin                            | Y  | 892   |
| 10146000             | Salt Creek at Nephi, UT                                      | Basin and Range                         | Y   | Great Basin                            | Y  | 545   |
| 10141000             | Weber River near Plain City, UT                              | Basin and Range                         | Y   | Great Basin                            | Y  | 362   |
| 10136500             | Weber River at Gateway, UT                                   | Basin and Range                         | N   | Great Basin                            | N  | 277   |
| 10126180             | Sulphur Creek near Corinne, UT                               | Basin and Range                         | Y   | Great Basin                            | Y  | 1,825   |
| 10126000             | Bear River near Corinne, UT                                  | Basin and Range                         | Y   | Great Basin                            | Y  | 715   |
| 10125600             | Malad River near Plymouth, UT                                | Basin and Range                         | Y   | Great Basin                            | Y  | 2,504   |
| 10125500             | Malad River at Woodruff, ID                                  | Basin and Range                         | Y   | Great Basin                            | Y  | 2,019   |
| 10118000             | Bear River near Collinston, UT                               | Basin and Range                         | Y   | Great Basin                            | Y  | 438   |
| 10109000             | Logan River above State Dam, near Logan, UT                  | Basin and Range                         | N   | Great Basin                            | N  | 204   |
| 10099000             | High Creek near Richmond, UT                                 | Basin and Range                         | N   | Great Basin                            | N  | 153   |
| 10092700             | Bear River at Idaho-Utah state line                          | Basin and Range                         | N   | Great Basin                            | N  | 519   |
| 09419515             | Muddy River above Lake Mead, near Overton, NV                | Basin and Range                         | Y   | Great Basin                            | Y  | 2,272   |
| 09415000             | Virgin River at Littlefield, AZ                              | Basin and Range                         | N   | Great Basin                            | N  | 1,945   |
| 09409880             | Santa Clara River at Gunlock, UT                             | Basin and Range                         | Y   | Great Basin                            | Y  | 250   |
| 10346000             | Truckee River at Farad, CA                                   | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 62  |
| 10343500             | Sagehen Creek near Truckee, CA                               | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 85  |
| 10336775             | Trout Creek at Pioneer Trail, near South Lake Tahoe, CA      | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 35  |
| 10336700             | Incline Creek near Crystal Bay, NV                           | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 57  |
| 10336698             | Third Creek near Crystal Bay, NV                             | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 52  |
| 10172952             | Dunn Creek near Park Valley, UT                              | Basin and Range                         | Y   | Great Basin                            | Y  | 128   |

## 5-4 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name  | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
| 10336645             | General Creek near Meeks Bay, CA                                 | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 30  |
| 10336610             | Upper Truckee River at South Lake Tahoe, CA                      | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 47  |
| 10336580             | Upper Truckee River at South Upper Truckee Road, near Meyers, CA | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 25  |
| 10311200             | Ash Canyon Creek near Carson City, NV                            | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 61  |
| 10311100             | Kings Canyon Creek near Carson City, NV                          | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 69  |
| 10310000             | West Fork Carson River at Woodfords, CA                          | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 56  |
| 10309000             | East Fork Carson River near Gardnerville, NV                     | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 101   |
| 10296500             | West Walker River near Coleville, CA                             | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 72  |
| 10293000             | East Walker River near Bridgeport, CA                            | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 142   |
| 09308500             | Minnie Maud Creek near Myton, UT                                 | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 577   |
| 09308000             | Willow Creek near Ouray, UT                                      | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 1,164   |
| 09307500             | Willow Creek above diversions, near Ouray, UT                    | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 467   |
| 09307300             | Pariette Draw at mouth, near Ouray, UT                           | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 2,515   |
| 09307200             | Pariette Draw near Ouray, UT                                     | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 2,476   |
| 09306900             | White River at mouth, near Ouray, UT                             | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 540   |
| 09306850             | Bitter Creek at mouth, near Bonanza, UT                          | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 13,819  |
| 09306800             | Bitter Creek near Bonanza, UT                                    | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 4,299   |
| 09306500             | White River near Watson, UT                                      | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 490   |
| 09306430             | Evacuation Creek near mouth, near Watson, UT                     | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 3,370   |
| 09306410             | Evacuation Creek above Missouri Creek, near Dragon, UT           | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 2,837   |
| 09306290             | White River below Boise Creek, near Rangely, CO                  | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 477   |
| 09306255             | Yellow Creek near White River, CO                                | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 2,397   |
| 09306242             | Corral Gulch near Rangely, CO                                    | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 985   |
| 09306235             | Corral Gulch below Water Gulch, near Rangely, CO                 | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 779   |
| 09306222             | Piceance Creek at White River, CO                                | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 1,349   |
| 09306200             | Piceance Creek below Ryan Gulch, near Rio Blanco, CO             | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 995   |
| 09306058             | Willow Creek near Rio Blanco, CO                                 | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 855   |
| 10336676             | Ward Creek at Highway 89, near Tahoe Pines, CA                   | Cascade and Sierra Mountains            | Y   | Sierra Nevada                          | n/d  | 39  |

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name  | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
|                      |  |   | Y   |  | Y  |   |
| 09302000             | Duchesne River near Randlett, UT                         | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 896   |
| 09295000             | Duchesne River at Myton, UT                              | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 741   |
| 09288900             | Sowers Creek near Duchesne, UT                           | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 680   |
| 09288180             | Strawberry River near Duchesne, UT                       | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 463   |
| 09288150             | West Fork Avintaquin Creek near Fruitland, UT            | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 349   |
| 09288000             | Currant Creek near Fruitland, UT                         | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 270   |
| 09287500             | Water Hollow near Fruitland, UT                          | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 314   |
| 09285000             | Strawberry River near Soldier Springs, UT                | Colorado Plateaus                       | N   | Unita Basin                            | N  | 242   |
| 09279150             | Duchesne River above Knight Diversion, near Duchesne, UT | Colorado Plateaus                       | N   | Unita Basin                            | N  | 264   |
| 09279100             | Rock Creek near Talmage, UT                              | Colorado Plateaus                       | N   | Unita Basin                            | N  | 170   |
| 09271500             | Ashley Creek near Jensen, UT                             | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 1,557   |
| 09261000             | Green River near Jensen, UT                              | Colorado Plateaus                       | N   | Unita Basin                            | N  | 417   |
| 09143000             | Surface Creek near Cedaredge, CO                         | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 84  |
| 09105000             | Plateau Creek near Cameo, CO                             | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 416   |
| 09095500             | Colorado River near Cameo, CO                            | Colorado Plateaus                       | N   | Unita Basin                            | N  | 564   |
| 09093700             | Colorado River near De Beque, CO                         | Colorado Plateaus                       | N   | Unita Basin                            | N  | 553   |
| 09093000             | Parachute Creek near Parachute, CO                       | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 545   |
| 09089500             | West Divide Creek near Raven, CO                         | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 232   |
| 09386950             | Zuni River above Black Rock Reservoir, NM                | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 458   |
| 09371010             | San Juan River at Four Corners, CO                       | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 412   |
| 09368000             | San Juan River at Shiprock, NM                           | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 389   |
| 09367950             | Chaco River near Waterflow, NM                           | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 1,458   |
| 09367561             | Shumway Arroyo near Waterflow, NM                        | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 6,344   |
| 09364500             | Animas River at Farmington, NM                           | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 400   |
| 09363500             | Animas River near Cedar Hill, NM                         | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 322   |
| 09361500             | Animas River at Durango, CO                              | Colorado Plateaus                       | N   | Navajo                                 | N  | 324   |
| 09355500             | San Juan River near Archuleta, NM                        | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 161   |
| 09355000             | Spring Creek at La Boca, CO                              | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 384   |
| 09354500             | Los Pinos River at La Boca, CO                           | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 138   |
| 09352900             | Vallecito Creek near Bayfield, CO                        | Colorado Plateaus                       | N   | Navajo                                 | N  | 39  |
| 09349800             | Piedra River near Arboles, CO                            | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 195   |
| 09346400             | San Juan River near Carracas, CO                         | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 172   |
| 09346000             | Navajo River at Edith, CO                                | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 140   |
| 09306022             | Stewart Gulch above West Fork, near Rio Blanco, CO       | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 907   |
| 09306007             | Piceance Creek below Rio Blanco, CO                      | Colorado Plateaus                       | Y   | Unita Basin                            | Y  | 731   |
| 09304800             | White River below Meeker, CO                             | Colorado Plateaus                       | N   | Unita Basin                            | N  | 366   |

## 5-6 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name  | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
| 09342500             | San Juan River at Pagosa Springs, CO                 | Colorado Plateaus                       | N   | Navajo                                 | N  | 80  |
| 08284100             | Rio Chama near La Puente, NM                         | Colorado Plateaus                       | Y   | Navajo                                 | Y  | 127   |
| 10242000             | Coal Creek near Cedar City, UT                       | Colorado Plateaus                       | N   | High Plateaus of Utah                  | N  | 350   |
| 10241470             | Center Creek above Parowan Creek, near Parowan, UT   | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 191   |
| 10208500             | Oak Creek near Fairview, UT                          | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 266   |
| 10191500             | Sevier River below Piute Dam, near Marysvale, UT     | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 301   |
| 10187300             | Otter Creek near Koosharem, UT                       | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 73  |
| 10183500             | Sevier River near Kingston, UT                       | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 311   |
| 10180000             | Sevier River near Circleville, UT                    | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 268   |
| 10176300             | Panguitch Creek near Panguitch, UT                   | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 131   |
| 10174500             | Sevier River at Hatch, UT                            | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 206   |
| 10173450             | Mammoth Creek above West Hatch Ditch, near Hatch, UT | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 133   |
| 09406000             | Virgin River at Virgin, UT                           | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 515   |
| 09404450             | East Fork Virgin River near Glendale, UT             | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 290   |
| 09403600             | Kanab Creek near Kanab, UT                           | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 411   |
| 09380000             | Colorado River at Lees Ferry, AZ                     | Colorado Plateaus                       | N   | High Plateaus of Utah                  | N  | 521   |
| 09337500             | Escalante River near Escalante, UT                   | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 884   |
| 09337000             | Pine Creek near Escalante, UT                        | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 234   |
| 09330000             | Fremont River near Bicknell, UT                      | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 349   |
| 09329050             | Seven Mile Creek near Fish Lake, UT                  | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 92  |
| 09326500             | Ferron Creek (upper station) near Ferron, UT         | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 439   |



**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name   | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|---|---|---|--|--|---|
| 09324500             | Cottonwood Creek near Orangeville, UT                                 | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 251   |
| 09312800             | Willow Creek near Castle Gate, UT                                     | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | N  | 742   |
| 09312700             | Beaver Creek near Soldier Summit, UT                                  | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 373   |
| 09312600             | White River below Tabbyune Creek, near Soldier Summit, UT             | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 477   |
| 09310500             | Fish Creek above reservoir, near Scofield, UT                         | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 195   |
| 09310000             | Gooseberry Creek near Scofield, UT                                    | Colorado Plateaus                       | Y   | High Plateaus of Utah                  | Y  | 205   |
| 09384000             | Little Colorado River above Lyman Lake, near St. Johns, AZ            | Colorado Plateaus                       | Y   | Datil                                  | Y  | 293   |
| 09383400             | Little Colorado River at Greer, AZ                                    | Colorado Plateaus                       | Y   | Datil                                  | Y  | 66  |
| 09379500             | San Juan River near Bluff, UT   | Colorado Plateaus                       | Y   | Canyon Lands                           | N  | 488   |
| 09378700             | Cottonwood Wash near Blanding, UT                                     | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 384   |
| 09378650             | Recapture Creek below Johnson Creek, near Blanding, UT                | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 246   |
| 09378630             | Recapture Creek near Blanding, UT                                     | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 184   |
| 09378200             | Montezuma Creek at golf course at Monticello, UT                      | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 421   |
| 09372000             | McElmo Creek near Colorado-Utah state line                            | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 2,123   |
| 09371520             | McElmo Creek above Trail Canyon, near Cortez, CO                      | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 1,726   |
| 09371500             | McElmo Creek near Cortez, CO  | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 1,917   |
| 09371492             | Mud Creek at State Highway 32, near Cortez, CO                        | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 3,495   |
| 09371000             | Mancos River near Towaoc, CO  | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 1,177   |
| 09333500             | Dirty Devil River above Poison Spring Wash, near Hanksville, UT       | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 1,404   |
| 09332700             | Muddy Creek at Delta Mine, near Hanksville, UT                        | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 2,246   |
| 09332100             | Muddy Creek below I-70, near Emery, UT                                | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 1,523   |
| 09330230             | Fremont River near Caineville, UT                                     | Colorado Plateaus                       | Y   | Canyon Lands                           | N  | 451   |
| 09328500             | San Rafael River near Green River, UT                                 | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 2,594   |
| 09328100             | San Rafael River at San Rafael Bridge Campground, near Carbondale, UT | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 2,301   |
| 09328000             | San Rafael River near Castle Dale, UT                                 | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 2,428   |
| 09315000             | Green River at Green River, UT  | Colorado Plateaus                       | N   | Canyon Lands                           | N  | 530   |
| 09314280             | Desert Seep Wash near Wellington, UT                                  | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 3,550   |
| 09314250             | Price River below Miller Creek, near Wellington, UT                   | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 2,073   |
| 09184000             | Mill Creek near Moab, UT  | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 164   |
| 09183000             | Courthouse Wash near Moab, UT   | Colorado Plateaus                       | Y   | Canyon Lands                           | Y  | 555   |

**5-8 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States**

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| <b>USGS site identifier</b> | <b>Site name</b>  | <b>Physiographic province of site location</b> | <b>Drainage basin almost entirely within physiographic province of site location</b> | <b>Physiographic section of site location</b> | <b>Drainage basin almost entirely within physiographic section of site location</b> | <b>Median daily dissolved-solids concentration, mg/L</b> |
|-----------------------------|---|--|--|---|---|--|
| 09180500                    | Colorado River near Cisco, UT                                 | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 713  |
| 09180000                    | Dolores River near Cisco, UT                                  | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 1,107  |
| 09177000                    | San Miguel River at Uravan, CO                                | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 606  |
| 09172500                    | San Miguel River near Placerville, CO                         | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 262  |
| 09171100                    | Dolores River near Bedrock, CO                                | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 2,041  |
| 09169500                    | Dolores River at Bedrock, CO                                  | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 505  |
| 09166950                    | Lost Canyon Creek near Dolores, CO                            | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 196  |
| 09166500                    | Dolores River at Dolores, CO                                  | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 187  |
| 09165000                    | Dolores River below Rico, CO                                  | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 199  |
| 09163500                    | Colorado River near Colorado-Utah State Line                  | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 655  |
| 09163490                    | Salt Creek near Mack, CO                                      | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 1,515  |
| 09153300                    | Reed Wash near Loma, CO                                       | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 1,502  |
| 09153290                    | Reed Wash near Mack, CO                                       | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 1,273  |
| 09152500                    | Gunnison River near Grand Junction, CO                        | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 595  |
| 09149500                    | Uncompahgre River at Delta, CO                                | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 1,197  |
| 09147500                    | Uncompahgre River at Colona, CO                               | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 396  |
| 09147025                    | Uncompahgre River below Ridgway Reservoir, CO                 | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 417  |
| 09147000                    | Dallas Creek near Ridgway, CO                                 | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 474  |
| 09146200                    | Uncompahgre River near Ridgway, CO                            | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 451  |
| 09144250                    | Gunnison River at Delta, CO                                   | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 459  |
| 09143500                    | Surface Creek at Cedaredge, CO                                | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 96   |
| 09135900                    | Leroux Creek at Hotchkiss, CO                                 | Colorado Plateaus                              | Y  | Canyon Lands                                  | Y   | 759  |
| 09134000                    | Minnesota Creek near Paonia, CO                               | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 278  |
| 09128000                    | Gunnison River below Gunnison Tunnel, CO                      | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 115  |
| 09106150                    | Colorado River below Grand Valley Diversion near Palisade, CO | Colorado Plateaus                              | N  | Canyon Lands                                  | N   | 531  |
| 11042000                    | San Luis Rey River at Oceanside, CA                           | Lower Californian                              | Y  | n/d   | n/d   | 1,341  |
| 10159500                    | Provo River below Deer Creek Dam, UT                          | Middle Rocky Mountains                         | Y  | n/d   | n/d   | 240  |
| 10155000                    | Provo River near Hailstone, UT                                | Middle Rocky Mountains                         | Y  | n/d   | n/d   | 129  |
| 10154200                    | Provo River near Woodland, UT                                 | Middle Rocky Mountains                         | Y  | n/d   | n/d   | 114  |
| 10148200                    | Tie Fork near Soldier Summit, UT                              | Middle Rocky Mountains                         | N  | n/d   | n/d   | 357  |
| 10139300                    | Wheeler Creek near Huntsville, UT                             | Middle Rocky Mountains                         | Y  | n/d   | n/d   | 213  |

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name  | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
| 10137500             | South Fork Ogden River near Huntsville, UT                               | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 186   |
| 10134500             | East Canyon Creek near Morgan, UT  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 319   |
| 10131000             | Chalk Creek at Coalville, UT   | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 357   |
| 10130500             | Weber River near Coalville, UT   | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 215   |
| 10128500             | Weber River near Oakley, UT  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 144   |
| 10113500             | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 213   |
| 10106000             | Little Bear River near Paradise, UT                                      | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 261   |
| 10104700             | Little Bear River below Davenport Creek, near Avon, UT                   | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 205   |
| 10093000             | Cub River near Preston, ID   | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 157   |
| 10068500             | Bear River at Pescadero, ID  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 346   |
| 10041000             | Thomas Fork near Wyoming-Idaho state line                                | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 615   |
| 10039500             | Bear River at Border, WY   | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 344   |
| 10038000             | Bear River below Smiths Fork, near Cokeville, WY                         | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 319   |
| 10032000             | Smiths Fork near Border, WY  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 209   |
| 10026500             | Bear River near Randolph, UT   | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 379   |
| 10020300             | Bear River below reservoir, near Woodruff, UT                            | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 302   |
| 10020100             | Bear River above reservoir, near Woodruff, UT                            | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 268   |
| 10015900             | Sulphur Creek below reservoir, near Evanston, WY                         | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 323   |
| 10015700             | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 370   |
| 10011500             | Bear River near Utah-Wyoming state line                                  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 135   |

## 5-10 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name  | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
| 10010400             | East Fork Bear River near Evanston, WY                     | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 97  |
| 09299500             | Whiterocks River near Whiterocks, UT                       | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 44  |
| 09298000             | Farm Creek near Whiterocks, UT                             | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 212   |
| 09297000             | Uinta River near Neola, UT                                 | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 45  |
| 09292500             | Yellowstone River near Altonah, UT                         | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 55  |
| 09280400             | Hobble Creek at Daniels Summit, near Wallsburg, UT         | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 122   |
| 09279000             | Rock Creek near Mountain Home, UT                          | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 92  |
| 09278500             | Rock Creek near Hanna, UT                                  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 46  |
| 09278000             | South Fork Rock Creek near Hanna, UT                       | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 137   |
| 09276000             | Wolf Creek above Rhoades Canyon near Hanna, UT             | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 200   |
| 09275500             | West Fork Duchesne River near Hanna, UT                    | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 312   |
| 09270500             | Dry Fork at mouth, near Dry Fork, UT                       | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 586   |
| 09266500             | Ashley Creek near Vernal, UT                               | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 113   |
| 09261700             | Big Brush Creek above Red Fleet Reservoir, near Vernal, UT | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 271   |
| 09260050             | Yampa River at Deerlodge Park, CO                          | Middle Rocky Mountains                  | N   | n/d                                    | n/d  | 358   |
| 09235800             | Pot Creek near Vernal, UT                                  | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 346   |
| 09235600             | Pot Creek above Diversions, near Vernal, UT                | Middle Rocky Mountains                  | Y   | n/d                                    | n/d  | 168   |
| 09234500             | Green River near Greendale, UT                             | Middle Rocky Mountains                  | N   | n/d                                    | n/d  | 459   |
| 11108500             | Santa Clara River at Los Angeles-Ventura County Line, CA   | Pacific Border                          | Y   | Los Angeles Ranges                     | n/d  | 994   |
| 11103000             | Los Angeles River at Long Beach, CA                        | Pacific Border                          | Y   | Los Angeles Ranges                     | n/d  | 680   |

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name  | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
| 11074000             | Santa Ana River below Prado Dam, CA                                | Pacific Border                          | Y   | Los Angeles Ranges                     | n/d  | 580   |
| 11066460             | Santa Ana River at Metropolitan Water District Crossing, CA        | Pacific Border                          | Y   | Los Angeles Ranges                     | n/d  | 572   |
| 10256500             | Snow Creek near White Water, CA                                    | Pacific Border                          | Y   | Los Angeles Ranges                     | n/d  | 81  |
| 09359020             | Animas River below Silverton, CO                                   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 293   |
| 09339900             | East Fork San Juan River above Sand Creek, near Pagosa Springs, CO | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 76  |
| 09303500             | South Fork White River near Buford, CO                             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 142   |
| 09303400             | South Fork White River near Budesges Resort, CO                    | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 123   |
| 09303300             | South Fork White River at Budesges Resort, CO                      | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 99  |
| 09132500             | North Fork Gunnison River near Somerset, CO                        | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 98  |
| 09128500             | Smith Fork near Crawford, CO                                       | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 89  |
| 09126000             | Cimarron River near Cimarron, CO                                   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 76  |
| 09124500             | Lake Fork at Gateview, CO  | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 101   |
| 09119000             | Tomichi Creek at Gunnison, CO                                      | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 165   |
| 09118450             | Cochetopa Creek below Rock Creek, near Parlin, CO                  | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 134   |
| 09115500             | Tomichi Creek at Sargents, CO                                      | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 100   |
| 09114500             | Gunnison River near Gunnison, CO                                   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 122   |
| 09112500             | East River at Almont, CO   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 173   |
| 09112200             | East River below Cement Creek, near Crested Butte, CO              | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 163   |
| 09111500             | Slate River near Crested Butte, CO                                 | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 93  |
| 09110000             | Taylor River at Almont, CO   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 78  |

## 5-12 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name   | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|---|---|---|--|--|---|
| 09109000             | Taylor River below Taylor Park Reservoir, CO            | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 57  |
| 09107000             | Taylor River at Taylor Park, CO                         | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 64  |
| 09085100             | Colorado River below Glenwood Springs, CO               | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 454   |
| 09085000             | Roaring Fork River at Glenwood Springs, CO              | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 350   |
| 09081600             | Crystal River above Avalanche Creek, near Redstone, CO  | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 293   |
| 09080400             | Fryingpan River near Ruedi, CO                          | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 135   |
| 09075700             | Maroon Creek above Aspen, CO                            | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 342   |
| 09074800             | Castle Creek above Aspen, CO                            | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 212   |
| 09074000             | Hunter Creek near Aspen, CO                             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 38  |
| 09073400             | Roaring Fork River near Aspen, CO                       | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 49  |
| 09073300             | Roaring Fork River above Difficult Creek near Aspen, CO | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 43  |
| 09071300             | Grizzly Creek near Glenwood Springs, CO                 | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 162   |
| 09070500             | Colorado River near Dotsero, CO                         | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 273   |
| 09070000             | Eagle River below Gypsum, CO                            | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 525   |
| 09067200             | Lake Creek near Edwards, CO                             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 245   |
| 09067005             | Eagle River at Avon, CO                                 | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 167   |
| 09067000             | Beaver Creek at Avon, CO                                | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 164   |
| 09066400             | Red Sandstone Creek near Minturn, CO                    | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 56  |
| 09066310             | Gore Creek, lower station, at Vail, CO                  | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 159   |
| 09066300             | Middle Creek near Minturn, CO                           | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 128   |

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name                                      | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|--|---|---|--|--|---|
| 09066200             | Booth Creek near Minturn, CO                   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 64  |
| 09066150             | Pitkin Creek near Minturn, CO                  | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 47  |
| 09066100             | Bighorn Creek near Minturn, CO                 | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 38  |
| 09066000             | Black Gore Creek near Minturn, CO              | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 122   |
| 09065500             | Gore Creek at upper station, near Minturn, CO  | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 37  |
| 09065100             | Cross Creek near Minturn, CO                   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 30  |
| 09064600             | Eagle River near Minturn, CO                   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 102   |
| 09064500             | Homestake Creek near Red Cliff, CO             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 24  |
| 09064000             | Homestake Creek at Gold Park, CO               | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 22  |
| 09063900             | Missouri Creek near Gold Park, CO              | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 22  |
| 09063400             | Turkey Creek near Red Cliff, CO                | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 169   |
| 09063200             | Wearlyman Creek near Red Cliff, CO             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 170   |
| 09063000             | Eagle River at Red Cliff, CO                   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 121   |
| 09059500             | Piney River near state bridge, CO              | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 190   |
| 09058800             | East Meadow Creek near Minturn, CO             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 45  |
| 09058700             | Freeman Creek near Minturn, CO                 | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 120   |
| 09058610             | Dickson Creek near Vail, CO                    | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 227   |
| 09058500             | Piney River below Piney Lake, near Minturn, CO | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 32  |
| 09058000             | Colorado River near Kremmling, CO              | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 139   |
| 09057500             | Blue River below Green Mountain Reservoir, CO  | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 108   |

**5-14 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States**

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| <b>USGS site identifier</b> | <b>Site name</b>                                       | <b>Physiographic province of site location</b> | <b>Drainage basin almost entirely within physiographic province of site location</b> | <b>Physiographic section of site location</b> | <b>Drainage basin almost entirely within physiographic section of site location</b> | <b>Median daily dissolved-solids concentration, mg/L</b> |
|-----------------------------|--|--|--|---|---|--|
| 09055300                    | Cataract Creek near Kremmling, CO                      | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 28   |
| 09054000                    | Black Creek below Black Lake, near Dillon, CO          | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 24   |
| 09052800                    | Slate Creek at upper station, near Dillon, CO          | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 31   |
| 09052400                    | Boulder Creek at upper station, near Dillon, CO        | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 31   |
| 09052000                    | Rock Creek near Dillon, CO                             | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 31   |
| 09051050                    | Straight Creek below Laskey Gulch near Dillon, CO      | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 88   |
| 09050700                    | Blue River below Dillon, CO                            | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 140  |
| 09050100                    | Tenmile Creek below North Tenmile Creek, at Frisco, CO | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 364  |
| 09047700                    | Keystone Gulch near Dillon, CO                         | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 43   |
| 09047500                    | Snake River near Montezuma, CO                         | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 61   |
| 09046600                    | Blue River near Dillon, CO                             | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 82   |
| 09046490                    | Blue River at Blue River, CO                           | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 79   |
| 09041500                    | Muddy Creek at Kremmling, CO                           | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 612  |
| 09039000                    | Troublesome Creek near Pearmont, CO                    | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 56   |
| 09038500                    | Williams Fork below Williams Fork Reservoir, CO        | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 72   |
| 09037500                    | Williams Fork near Parshall, CO                        | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 69   |
| 09036000                    | Williams Fork near Leal, CO                            | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 47   |
| 09035900                    | South Fork of Williams Fork near Leal, CO              | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 51   |
| 09035800                    | Darling Creek near Leal, CO                            | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 44   |
| 09035700                    | Williams Fork above Darling Creek, near Leal, CO       | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 38   |



**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| USGS site identifier | Site name   | Physiographic province of site location | Drainage basin almost entirely within physiographic province of site location | Physiographic section of site location | Drainage basin almost entirely within physiographic section of site location | Median daily dissolved-solids concentration, mg/L |
|----------------------|---|---|---|--|--|---|
| 09035500             | Williams Fork below Steelman Creek, CO                | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 40  |
| 09034900             | Bobtail Creek near Jones Pass, CO                     | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 39  |
| 09034500             | Colorado River at Hot Sulphur Springs, CO             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 88  |
| 09034250             | Colorado River at Windy Gap, near Granby, CO          | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 81  |
| 09032100             | Cabin Creek near Fraser, CO                           | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 26  |
| 09032000             | Ranch Creek near Fraser, CO                           | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 30  |
| 09026500             | St. Louis Creek near Fraser, CO                       | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 51  |
| 09025400             | Elk Creek near Fraser, CO                             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 33  |
| 09025000             | Vasquez Creek at Winter Park, CO                      | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 31  |
| 09024000             | Fraser River at Winter Park, CO                       | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 64  |
| 09022000             | Fraser River at upper station, near Winter Park, CO   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 53  |
| 09010500             | Colorado River below Baker Gulch, near Grand Lake, CO | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 43  |
| 08324000             | Jemez River near Jemez, NM                            | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 322   |
| 08313000             | Rio Grande at Otowi Bridge, NM                        | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 204   |
| 08290000             | Rio Chama near Chamita, NM                            | Southern Rocky Mountains                | N   | n/d                                    | n/d  | 236   |
| 08287000             | Rio Chama below Abiquiu Dam, NM                       | Southern Rocky Mountains                | N   | n/d                                    | n/d  | 269   |
| 08286500             | Rio Chama above Abiquiu Reservoir, NM                 | Southern Rocky Mountains                | N   | n/d                                    | n/d  | 266   |
| 08279000             | Embudo Creek at Dixon, NM                             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 204   |
| 08276500             | Rio Grande below Taos Junction Bridge near Taos, NM   | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 191   |
| 08276300             | Rio Pueblo De Taos below Los Cordovas, NM             | Southern Rocky Mountains                | Y   | n/d                                    | n/d  | 303   |

**5-16 Dissolved Solids in Basin-Fill Aquifers and Streams in the Southwestern United States**

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| <b>USGS site identifier</b> | <b>Site name</b>  | <b>Physiographic province of site location</b> | <b>Drainage basin almost entirely within physiographic province of site location</b> | <b>Physiographic section of site location</b> | <b>Drainage basin almost entirely within physiographic section of site location</b> | <b>Median daily dissolved-solids concentration, mg/L</b> |
|-----------------------------|---|--|--|---|---|--|
| 08267500                    | Rio Hondo near Valdez, NM                               | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 93   |
| 08266820                    | Red River below Fish Hatchery, near Questa, NM          | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 250  |
| 08265000                    | Red River near Questa, NM                               | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 177  |
| 08263500                    | Rio Grande near Cerro, NM                               | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 167  |
| 08251500                    | Rio Grande near Lobatos, CO                             | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 185  |
| 08217500                    | Rio Grande at Wagon Wheel Gap, CO                       | Southern Rocky Mountains                       | Y  | n/d   | n/d   | 58   |
| 09304500                    | White River near Meeker, CO                             | Wyoming Basin                                  | N  | n/d   | n/d   | 299  |
| 09304200                    | White River above Coal Creek, near Meeker, CO           | Wyoming Basin                                  | N  | n/d   | n/d   | 244  |
| 09304000                    | South Fork White River at Buford, CO                    | Wyoming Basin                                  | N  | n/d   | n/d   | 167  |
| 09303000                    | North Fork White River at Burford, CO                   | Wyoming Basin                                  | N  | n/d   | n/d   | 211  |
| 09260000                    | Little Snake River near Lily, CO                        | Wyoming Basin                                  | Y  | n/d   | n/d   | 419  |
| 09255000                    | Slater Fork near Slater, CO                             | Wyoming Basin                                  | Y  | n/d   | n/d   | 162  |
| 09253000                    | Little Snake River near Slater, CO                      | Wyoming Basin                                  | N  | n/d   | n/d   | 103  |
| 09251000                    | Yampa River near Maybell, CO                            | Wyoming Basin                                  | Y  | n/d   | n/d   | 317  |
| 09249750                    | Williams Fork at Mouth, near Hamilton, CO               | Wyoming Basin                                  | Y  | n/d   | n/d   | 358  |
| 09247600                    | Yampa River below Craig, CO                             | Wyoming Basin                                  | Y  | n/d   | n/d   | 246  |
| 09245000                    | Elkhead Creek near Elkhead, CO                          | Wyoming Basin                                  | Y  | n/d   | n/d   | 184  |
| 09244410                    | Yampa River below Diversion, near Hayden, CO            | Wyoming Basin                                  | Y  | n/d   | n/d   | 177  |
| 09243900                    | Foidel Creek at Mouth, near Oak Creek, CO               | Wyoming Basin                                  | Y  | n/d   | n/d   | 1,897  |
| 09243800                    | Foidel Creek near Oak Creek, CO                         | Wyoming Basin                                  | Y  | n/d   | n/d   | 2,077  |
| 09243700                    | Middle Creek near Oak Creek, CO                         | Wyoming Basin                                  | Y  | n/d   | n/d   | 512  |
| 09242500                    | Elk River near Milner, CO                               | Wyoming Basin                                  | Y  | n/d   | n/d   | 79   |
| 09239500                    | Yampa River at Steamboat Springs, CO                    | Wyoming Basin                                  | Y  | n/d   | n/d   | 161  |
| 09238900                    | Fish Creek at upper station, near Steamboat Springs, CO | Wyoming Basin                                  | N  | n/d   | n/d   | 26   |
| 09237500                    | Yampa River below Stagecoach Reservoir, CO              | Wyoming Basin                                  | Y  | n/d   | n/d   | 280  |
| 09237450                    | Yampa River above Stagecoach Reservoir, CO              | Wyoming Basin                                  | Y  | n/d   | n/d   | 291  |
| 09224700                    | Blacks Fork near Little America, WY                     | Wyoming Basin                                  | Y  | n/d   | n/d   | 939  |
| 09222000                    | Blacks Fork near Lyman, WY                              | Wyoming Basin                                  | Y  | n/d   | n/d   | 1,325  |
| 09217000                    | Green River near Green River, WY                        | Wyoming Basin                                  | Y  | n/d   | n/d   | 359  |
| 09216050                    | Big Sandy River at Gasson Bridge, near Eden, WY         | Wyoming Basin                                  | Y  | n/d   | n/d   | 2,543  |
| 09215550                    | Big Sandy River below Farson, WY                        | Wyoming Basin                                  | Y  | n/d   | n/d   | 1,436  |
| 09211200                    | Green River below Fontenelle Reservoir, WY              | Wyoming Basin                                  | Y  | n/d   | n/d   | 237  |

**Appendix 5.** Median daily dissolved-solids concentrations for surface-water-quality monitoring sites in physiographic provinces, sections, and drainage basins in the Southwestern United States—Continued.

| <b>USGS site identifier</b> | <b>Site name</b>                  | <b>Physiographic province of site location</b> | <b>Drainage basin almost entirely within physiographic province of site location</b> | <b>Physiographic section of site location</b> | <b>Drainage basin almost entirely within physiographic section of site location</b> | <b>Median daily dissolved-solids concentration, mg/L</b> |
|-----------------------------|-----------------------------------|--|--|---|---|--|
| 09209400                    | Green River near La Barge, WY     | Wyoming Basin                                  | Y  | n/d   | n/d   | 225  |
| 09205000                    | New Fork River near Big Piney, WY | Wyoming Basin                                  | Y  | n/d   | n/d   | 119  |
| 09060770                    | Rock Creek at McCoy, CO           | Wyoming Basin                                  | Y  | n/d   | n/d   | 225  |
| 09060550                    | Rock Creek at Crater, CO          | Wyoming Basin                                  | N  | n/d   | n/d   | 91   |

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**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States.

[mg/L, milligrams per liter; N/A, not available. Principal basin-fill aquifers: RG, Rio Grande aquifer system; BR, Basin and Range basin-fill aquifers; CB, California coastal basin aquifers. Period change reported as zero where p-value for tau was greater than 0.05. Well depth and depth to water data are relative to depth below land surface datum. Negative depth to water indicates artesian conditions. Site locations shown on figure 40]

| Location    |                                  |                              | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 1           | 130202                           | RG                           | 120              | 68                   | 0   | 44    | 56    | 0  | 7     | 93    | 1989-2003              | 9                 | 728                               | 1993.230  | 0.722         | 0.008           | 95.5                   |
| 2           | 130500                           | RG                           | N/A              | N/A                  | 0   | 0     | 100   | 0  | 1     | 99    | 1974-1988              | 12                | 1,222                             | 1981.607  | -0.485        | 0.034           | -48.5                  |
| 3           | 130500                           | RG                           | 576              | 275                  | 0   | 0     | 100   | 0  | 5     | 95    | 1974-1988              | 15                | 198                               | 1980.594  | -0.524        | 0.008           | -18.8                  |
| 4           | 130500                           | RG                           | 700              | 350                  | 0   | 53    | 47    | 0  | 4     | 96    | 1974-1988              | 10                | 192                               | 1982.680  | 0.600         | 0.020           | 16.0                   |
| 5           | 130500                           | RG                           | 733              | 372                  | 0   | 21    | 79    | 0  | 4     | 96    | 1974-1988              | 11                | 229                               | 1981.657  | -0.327        | 0.184           | 0.0                    |
| 6           | 130500                           | RG                           | 805              | 408                  | 0   | 43    | 57    | 0  | 4     | 96    | 1974-1988              | 10                | 218                               | 1982.672  | 0.467         | 0.074           | 0.0                    |
| 7           | 130500                           | RG                           | N/A              | N/A                  | 0   | 42    | 58    | 0  | 3     | 97    | 1974-1988              | 11                | 467                               | 1982.213  | 0.200         | 0.436           | 0.0                    |
| 8           | 130500                           | RG                           | 351              | 278                  | 0   | 4     | 96    | 0  | 4     | 96    | 1974-1988              | 15                | 239                               | 1980.600  | 0.067         | 0.765           | 0.0                    |
| 9           | 130500                           | RG                           | N/A              | N/A                  | 0   | 12    | 88    | 0  | 4     | 96    | 1974-1988              | 10                | 291                               | 1982.680  | 0.511         | 0.049           | 57.8                   |
| 10          | 130500                           | RG                           | N/A              | N/A                  | 0   | 6     | 94    | 0  | 4     | 96    | 1974-1988              | 10                | 395                               | 1982.670  | 0.244         | 0.367           | 0.0                    |
| 11          | 130500                           | RG                           | 515              | 188                  | 0   | 0     | 100   | 0  | 3     | 97    | 1974-1988              | 8                 | 284                               | 1984.120  | -0.214        | 0.536           | 0.0                    |
| 12          | 130500                           | RG                           | N/A              | N/A                  | 0   | 3     | 97    | 0  | 4     | 96    | 1974-1988              | 11                | 252                               | 1982.213  | 0.127         | 0.640           | 0.0                    |
| 13          | 130500                           | RG                           | N/A              | N/A                  | 0   | 0     | 100   | 0  | 4     | 96    | 1974-1988              | 14                | 189                               | 1981.090  | 0.462         | 0.025           | 10.7                   |
| 14          | 130500                           | RG                           | 800              | 422                  | 0   | 2     | 98    | 0  | 4     | 96    | 1974-1988              | 11                | 250                               | 1982.213  | -0.327        | 0.184           | 0.0                    |
| 15          | 130500                           | RG                           | N/A              | N/A                  | 0   | 0     | 100   | 0  | 4     | 96    | 1974-1988              | 15                | 224                               | 1980.603  | 0.400         | 0.042           | 5.5                    |
| 16          | 130500                           | RG                           | 800              | 450                  | 0   | 2     | 98    | 0  | 4     | 96    | 1974-1988              | 11                | 260                               | 1982.213  | 0.145         | 0.585           | 0.0                    |
| 17          | 130500                           | RG                           | 1,060            | 570                  | 0   | 0     | 100   | 0  | 4     | 96    | 1974-1988              | 11                | 421                               | 1982.613  | -0.236        | 0.350           | 0.0                    |
| 18          | 130500                           | RG                           | 838              | 509                  | 0   | 0     | 100   | 0  | 4     | 96    | 1974-1988              | 10                | 372                               | 1982.680  | 0.333         | 0.210           | 0.0                    |
| 19          | 130500                           | RG                           | 598              | 371                  | 0   | 0     | 100   | 0  | 3     | 97    | 1974-1988              | 10                | 556                               | 1983.139  | -0.378        | 0.152           | 0.0                    |
| 20          | 130500                           | RG                           | 522              | 215                  | 0   | 0     | 100   | 0  | 1     | 99    | 1974-1988              | 14                | 320                               | 1979.872  | -0.286        | 0.170           | 0.0                    |
| 21          | 150100                           | BR                           | 1,006            | N/A                  | 0   | 25    | 75    | 0  | 23    | 77    | 1989-2003              | 13                | 273                               | 1995.264  | 0.064         | 0.806           | 0.0                    |
| 22          | 150100                           | BR                           | 355              | 126                  | 0   | 1     | 99    | 0  | 0     | 100   | 1989-2003              | 12                | 485                               | 1995.955  | -0.182        | 0.451           | 0.0                    |
| 23          | 150100                           | BR                           | 385              | 222                  | 0   | 13    | 87    | 0  | 1     | 99    | 1989-2003              | 13                | 341                               | 1995.361  | 0.141         | 0.533           | 0.0                    |
| 24          | 150100                           | BR                           | 700              | 597                  | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 11                | 222                               | 1995.258  | 0.055         | 0.876           | 0.0                    |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Well depth, feet |       | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|-------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |       | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 25          | 150100                           | BR                           | 700              | 558   | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 12                | 317                               | 1994.896  | 0.167         | 0.487           | 0.0                    |
| 26          | 150100                           | BR                           | 265              | 22    | 75  | 1     | 23    | 16   | 8     | 76    | 1989-2003              | 10                | 3,130                             | 1997.070  | -0.333        | 0.210           | 0.0                    |
| 27          | 150301                           | BR                           | 190              | 36    | 89  | 0     | 11    | 56   | 3     | 41    | 1989-2003              | 14                | 1,583                             | 1995.777  | -0.253        | 0.227           | 0.0                    |
| 28          | 150301                           | BR                           | 665              | 263   | 0   | 0     | 100   | 0  | 1     | 99    | 1989-2003              | 14                | 1,008                             | 1995.823  | 0.209         | 0.318           | 0.0                    |
| 29          | 150301                           | BR                           | 585              | 145   | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 11                | 1,040                             | 1994.049  | -0.055        | 0.876           | 0.0                    |
| 30          | 150301                           | BR                           | 400              | 77    | 2   | 94    | 5     | 21   | 7     | 72    | 1989-2003              | 13                | 969                               | 1995.342  | 0.000         | 1.000           | 0.0                    |
| 31          | 150301                           | BR                           | 600              | 356   | 0   | 19    | 81    | 0  | 4     | 96    | 1989-2003              | 13                | 371                               | 1995.264  | -0.026        | 0.951           | 0.0                    |
| 32          | 150301                           | BR                           | 1,350            | 1,013 | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 13                | 346                               | 1995.261  | 0.179         | 0.426           | 0.0                    |
| 33          | 150302                           | BR                           | 188              | N/A   | 41  | 8     | 51    | 3  | 1     | 96    | 1989-2003              | 13                | 332                               | 1995.256  | -0.013        | 1.000           | 0.0                    |
| 34          | 150400                           | BR                           | 412              | 396   | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 13                | 190                               | 1995.261  | 0.192         | 0.362           | 0.0                    |
| 35          | 150400                           | BR                           | 863              | 171   | 26  | 0     | 74    | 18   | 1     | 82    | 1989-2003              | 12                | 356                               | 1995.837  | -0.167        | 0.487           | 0.0                    |
| 36          | 150400                           | BR                           | 1,200            | 155   | 0   | 0     | 100   | 1  | 0     | 99    | 1989-2003              | 13                | 200                               | 1995.316  | 0.474         | 0.027           | 10.3                   |
| 37          | 150400                           | BR                           | 86               | 53    | 77  | 9     | 14    | 34   | 9     | 57    | 1989-2003              | 12                | 2,054                             | 1995.248  | -0.303        | 0.191           | 0.0                    |
| 38          | 150400                           | BR                           | 303              | 185   | 0   | 0     | 100   | 1  | 1     | 98    | 1989-2003              | 11                | 179                               | 1994.211  | 0.564         | 0.018           | 24.0                   |
| 39          | 150501                           | BR                           | 500              | 157   | 0   | 64    | 36    | 0  | 2     | 98    | 1989-2003              | 12                | 858                               | 1996.833  | -0.061        | 0.835           | 0.0                    |
| 40          | 150501                           | BR                           | 1,002            | 775   | 0   | 11    | 89    | 0  | 3     | 97    | 1989-2003              | 12                | 330                               | 1994.719  | -0.106        | 0.675           | 0.0                    |
| 41          | 150502                           | BR                           | N/A              | 330   | 0   | 2     | 98    | 1  | 2     | 97    | 1989-2003              | 12                | 263                               | 1994.722  | -0.106        | 0.674           | 0.0                    |
| 42          | 150502                           | BR                           | 710              | 384   | 0   | 93    | 7     | 0  | 23    | 77    | 1989-2003              | 13                | 228                               | 1995.258  | 0.205         | 0.352           | 0.0                    |
| 43          | 150502                           | BR                           | 333              | 27    | 76  | 23    | 1     | 10   | 3     | 87    | 1989-2003              | 13                | 709                               | 1995.316  | 0.179         | 0.420           | 0.0                    |
| 44          | 150502                           | BR                           | 450              | N/A   | 0   | 20    | 80    | 0  | 1     | 99    | 1989-2003              | 13                | 2,763                             | 1995.266  | 0.808         | 0.000           | 115.1                  |
| 45          | 150502                           | BR                           | 56               | 38    | 0   | 0     | 100   | 1  | 0     | 99    | 1989-2003              | 13                | 223                               | 1995.319  | -0.231        | 0.298           | 0.0                    |
| 46          | 150503                           | BR                           | 200              | 28    | 76  | 10    | 14    | 12   | 4     | 84    | 1989-2003              | 13                | 419                               | 1995.249  | -0.077        | 0.760           | 0.0                    |
| 47          | 150503                           | BR                           | 650              | 463   | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 13                | 251                               | 1995.241  | -0.295        | 0.175           | 0.0                    |
| 48          | 150503                           | BR                           | 1,500            | 212   | 83  | 0     | 17    | 44   | 3     | 52    | 1989-2003              | 11                | 442                               | 1994.536  | 0.182         | 0.482           | 0.0                    |
| 49          | 150503                           | BR                           | 905              | 449   | 0   | 10    | 90    | 0  | 1     | 99    | 1989-2003              | 11                | 637                               | 1994.224  | 0.255         | 0.310           | 0.0                    |
| 50          | 150503                           | BR                           | 234              | 138   | 0   | 12    | 88    | 7  | 5     | 87    | 1989-2003              | 12                | 299                               | 1995.744  | -0.318        | 0.169           | 0.0                    |
| 51          | 150503                           | BR                           | 522              | 122   | 8   | 0     | 92    | 1  | 4     | 95    | 1989-2003              | 13                | 174                               | 1995.246  | 0.128         | 0.582           | 0.0                    |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 52          | 150503                           | BR                           | 502              | 323                  | 59  | 0     | 41    | 43   | 5     | 52    | 1989-2003              | 12                | 611                               | 1995.744  | -0.242        | 0.301           | 0.0                    |
| 53          | 150503                           | BR                           | 562              | 293                  | 88  | 0     | 12    | 76   | 0     | 24    | 1989-2003              | 12                | 639                               | 1996.933  | 0.576         | 0.010           | 16.3                   |
| 54          | 150503                           | BR                           | 1,000            | 278                  | 93  | 0     | 7     | 70   | 0     | 30    | 1989-2003              | 10                | 439                               | 1997.879  | 0.311         | 0.243           | 0.0                    |
| 55          | 150503                           | BR                           | 1,007            | N/A                  | 64  | 1     | 35    | 65   | 1     | 34    | 1989-2003              | 13                | 559                               | 1996.291  | 0.885         | 0.000           | 81.5                   |
| 56          | 150602                           | BR                           | 735              | 349                  | 0   | 37    | 63    | 2  | 8     | 90    | 1989-2003              | 13                | 387                               | 1995.249  | -0.603        | 0.005           | -18.3                  |
| 57          | 150602                           | BR                           | 85               | 33                   | 24  | 2     | 75    | 9  | 9     | 82    | 1989-2003              | 9                 | 314                               | 1995.496  | 0.111         | 0.754           | 0.0                    |
| 58          | 150602                           | BR                           | 1,750            | 824                  | 1   | 0     | 99    | 0  | 0     | 100   | 1989-2003              | 13                | 307                               | 1995.361  | -0.064        | 0.807           | 0.0                    |
| 59          | 150701                           | BR                           | 650              | 177                  | 66  | 0     | 34    | 30   | 0     | 70    | 1989-2003              | 14                | 2,769                             | 1995.790  | 0.319         | 0.124           | 0.0                    |
| 60          | 150701                           | BR                           | 434              | 346                  | 0   | 0     | 100   | 16   | 0     | 83    | 1989-2003              | 13                | 819                               | 1995.238  | 0.269         | 0.215           | 0.0                    |
| 61          | 150701                           | BR                           | 1,100            | 537                  | 0   | 0     | 100   | 28   | 0     | 72    | 1989-2003              | 14                | 663                               | 1995.822  | -0.121        | 0.577           | 0.0                    |
| 62          | 150701                           | BR                           | 543              | 78                   | 88  | 6     | 6     | 68   | 3     | 29    | 1989-2003              | 11                | 1,430                             | 1994.417  | 0.236         | 0.324           | 0.0                    |
| 63          | 150701                           | BR                           | 900              | 364                  | 0   | 30    | 70    | 0  | 21    | 79    | 1989-2003              | 14                | 275                               | 1995.849  | 0.275         | 0.186           | 0.0                    |
| 64          | 150701                           | BR                           | 410              | 293                  | 0   | 4     | 96    | 0  | 1     | 99    | 1989-2003              | 14                | 334                               | 1995.763  | 0.264         | 0.204           | 0.0                    |
| 65          | 150701                           | BR                           | 400              | 221                  | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 12                | 457                               | 1994.870  | -0.545        | 0.016           | -20.2                  |
| 66          | 150701                           | BR                           | 660              | 596                  | 0   | 19    | 81    | 0  | 1     | 99    | 1989-2003              | 12                | 416                               | 1994.724  | 0.197         | 0.407           | 0.0                    |
| 67          | 150701                           | BR                           | 1,020            | 600                  | 50  | 2     | 48    | 41   | 2     | 57    | 1989-2003              | 14                | 332                               | 1995.807  | 0.418         | 0.042           | 10.7                   |
| 68          | 150701                           | BR                           | 110              | 33                   | 0   | 43    | 57    | 0  | 5     | 95    | 1989-2003              | 13                | 322                               | 1995.241  | 0.064         | 0.801           | 0.0                    |
| 69          | 150701                           | BR                           | 100              | N/A                  | 0   | 10    | 90    | 0  | 5     | 94    | 1989-2003              | 13                | 396                               | 1995.299  | 0.154         | 0.502           | 0.0                    |
| 70          | 150701                           | BR                           | 496              | 378                  | 0   | 1     | 99    | 0  | 14    | 86    | 1989-2003              | 14                | 339                               | 1995.870  | 0.429         | 0.036           | 4.3                    |
| 71          | 150702                           | BR                           | 133              | 7                    | 74  | 2     | 24    | 30   | 2     | 68    | 1989-2003              | 12                | 3,315                             | 1994.724  | 0.121         | 0.627           | 0.0                    |
| 72          | 150702                           | BR                           | 168.7            | 17                   | 65  | 18    | 17    | 64   | 7     | 29    | 1989-2003              | 14                | 2,343                             | 1995.777  | -0.440        | 0.031           | -11.7                  |
| 73          | 160102                           | BR                           | 465              | -26                  | 99  | 0     | 1     | 35   | 16    | 49    | 1974-1988              | 8                 | 390                               | 1981.104  | -0.107        | 0.789           | 0.0                    |
| 73          | 160102                           | BR                           | 465              | -26                  | 99  | 0     | 1     | 35   | 16    | 49    | 1974-2003              | 20                | 403                               | 1991.101  | 0.211         | 0.197           | 0.0                    |
| 73          | 160102                           | BR                           | 465              | -26                  | 99  | 0     | 1     | 35   | 16    | 49    | 1989-2003              | 12                | 403                               | 1996.092  | 0.394         | 0.077           | 0.0                    |
| 74          | 160102                           | BR                           | 85               | -12                  | 55  | 12    | 34    | 66   | 20    | 14    | 1974-1988              | 13                | 338                               | 1981.544  | 0.128         | 0.573           | 0.0                    |
| 75          | 160102                           | BR                           | 292              | 120                  | 76  | 0     | 24    | 52   | 1     | 47    | 1974-1988              | 12                | 1,190                             | 1981.044  | -0.136        | 0.582           | 0.0                    |
| 76          | 160102                           | BR                           | 478              | 114                  | 100   | 0     | 0     | 40   | 1     | 59    | 1974-1988              | 9                 | 1,027                             | 1980.582  | 0.361         | 0.208           | 0.0                    |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 77          | 160102                           | BR                           | 173              | N/A                  | 74  | 2     | 24    | 73   | 7     | 20    | 1974-1988              | 13                | 299                               | 1981.544  | 0.051         | 0.852           | 0.0                    |
| 77          | 160102                           | BR                           | 173              | N/A                  | 74  | 2     | 24    | 73   | 7     | 20    | 1974-2003              | 21                | 299                               | 1985.569  | 0.176         | 0.270           | 0.0                    |
| 77          | 160102                           | BR                           | 173              | N/A                  | 74  | 2     | 24    | 73   | 7     | 20    | 1989-2003              | 8                 | 304                               | 1995.041  | -0.179        | 0.618           | 0.0                    |
| 78          | 160201                           | BR                           | 386              | N/A                  | 4   | 95    | 1     | 11   | 43    | 47    | 1974-1988              | 12                | 312                               | 1982.094  | 0.348         | 0.126           | 0.0                    |
| 78          | 160201                           | BR                           | 386              | N/A                  | 4   | 95    | 1     | 11   | 43    | 47    | 1974-2003              | 23                | 319                               | 1988.669  | 0.407         | 0.007           | 13.1                   |
| 78          | 160201                           | BR                           | 386              | N/A                  | 4   | 95    | 1     | 11   | 43    | 47    | 1989-2003              | 11                | 325                               | 1995.644  | 0.000         | 1.000           | 0.0                    |
| 79          | 160201                           | BR                           | 450              | -20                  | 4   | 94    | 2     | 7  | 28    | 65    | 1974-1988              | 10                | 179                               | 1982.094  | -0.289        | 0.270           | 0.0                    |
| 79          | 160201                           | BR                           | 450              | -20                  | 4   | 94    | 2     | 7  | 28    | 65    | 1974-2003              | 18                | 182                               | 1987.174  | -0.072        | 0.693           | 0.0                    |
| 79          | 160201                           | BR                           | 450              | -20                  | 4   | 94    | 2     | 7  | 28    | 65    | 1989-2003              | 8                 | 182                               | 1996.092  | 0.429         | 0.115           | 0.0                    |
| 80          | 160201                           | BR                           | 609              | -24                  | 74  | 1     | 25    | 49   | 4     | 47    | 1974-1988              | 13                | 241                               | 1981.594  | -0.051        | 0.854           | 0.0                    |
| 81          | 160201                           | BR                           | 517              | -18                  | 91  | 0     | 9     | 58   | 7     | 35    | 1974-1988              | 11                | 1,053                             | 1980.594  | 0.018         | 1.000           | 0.0                    |
| 81          | 160201                           | BR                           | 517              | -18                  | 91  | 0     | 9     | 58   | 7     | 35    | 1974-2003              | 20                | 1,073                             | 1987.668  | -0.137        | 0.416           | 0.0                    |
| 81          | 160201                           | BR                           | 517              | -18                  | 91  | 0     | 9     | 58   | 7     | 35    | 1989-2003              | 9                 | 1,092                             | 1996.544  | -0.167        | 0.602           | 0.0                    |
| 82          | 160201                           | BR                           | 342              | -40                  | 79  | 7     | 13    | 24   | 4     | 72    | 1974-1988              | 11                | 260                               | 1982.589  | 0.545         | 0.022           | 35.1                   |
| 82          | 160201                           | BR                           | 342              | -40                  | 79  | 7     | 13    | 24   | 4     | 72    | 1974-2003              | 22                | 262                               | 1989.624  | 0.190         | 0.223           | 0.0                    |
| 82          | 160201                           | BR                           | 342              | -40                  | 79  | 7     | 13    | 24   | 4     | 72    | 1989-2003              | 11                | 263                               | 1996.544  | 0.291         | 0.239           | 0.0                    |
| 83          | 160202                           | BR                           | 210              | 69                   | 86  | 0     | 14    | 37   | 7     | 56    | 1974-1988              | 9                 | 910                               | 1979.485  | 0.194         | 0.523           | 0.0                    |
| 83          | 160202                           | BR                           | 210              | 69                   | 86  | 0     | 14    | 37   | 7     | 56    | 1974-2003              | 21                | 917                               | 1991.527  | 0.143         | 0.379           | 0.0                    |
| 83          | 160202                           | BR                           | 210              | 69                   | 86  | 0     | 14    | 37   | 7     | 56    | 1989-2003              | 12                | 920                               | 1997.069  | 0.621         | 0.006           | 14.3                   |
| 84          | 160202                           | BR                           | 150              | -1                   | 80  | 0     | 20    | 37   | 5     | 58    | 1974-1988              | 8                 | 686                               | 1982.002  | -0.214        | 0.530           | 0.0                    |
| 84          | 160202                           | BR                           | 150              | -1                   | 80  | 0     | 20    | 37   | 5     | 58    | 1974-2003              | 17                | 676                               | 1989.644  | -0.419        | 0.020           | -11.0                  |
| 84          | 160202                           | BR                           | 150              | -1                   | 80  | 0     | 20    | 37   | 5     | 58    | 1989-2003              | 9                 | 644                               | 1994.589  | 0.194         | 0.529           | 0.0                    |
| 85          | 160202                           | BR                           | 371              | 157                  | 1   | 92    | 7     | 32   | 7     | 61    | 1974-1988              | 10                | 965                               | 1982.065  | 0.133         | 0.651           | 0.0                    |
| 85          | 160202                           | BR                           | 371              | 157                  | 1   | 92    | 7     | 32   | 7     | 61    | 1974-2003              | 20                | 975                               | 1989.016  | 0.211         | 0.205           | 0.0                    |
| 85          | 160202                           | BR                           | 371              | 157                  | 1   | 92    | 7     | 32   | 7     | 61    | 1989-2003              | 10                | 998                               | 1994.075  | 0.267         | 0.323           | 0.0                    |
| 86          | 160202                           | BR                           | 344              | 136                  | 6   | 69    | 25    | 36   | 7     | 57    | 1974-1988              | 10                | 1,034                             | 1980.103  | 0.200         | 0.471           | 0.0                    |
| 87          | 160202                           | BR                           | 336              | 147                  | 4   | 77    | 19    | 35   | 7     | 58    | 1974-1988              | 10                | 995                               | 1981.040  | -0.289        | 0.279           | 0.0                    |
| 87          | 160202                           | BR                           | 336              | 147                  | 4   | 77    | 19    | 35   | 7     | 58    | 1974-2003              | 18                | 995                               | 1987.999  | -0.190        | 0.287           | 0.0                    |



**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              |                  |                      | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
|             |                                  |                              |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other |                        |                   |                                   |   |               |                 |                        |
| 87          | 160202                           | BR                           | 336              | 147                  | 4   | 77    | 19    | 35   | 7     | 58    | 1989-2003              | 8                 | 988                               | 1994.072  | 0.071         | 0.902           | 0.0                    |
| 88          | 160202                           | BR                           | 350              | 145                  | 5   | 74    | 21    | 36   | 7     | 57    | 1974-1988              | 11                | 1,014                             | 1981.482  | -0.327        | 0.178           | 0.0                    |
| 88          | 160202                           | BR                           | 350              | 145                  | 5   | 74    | 21    | 36   | 7     | 57    | 1974-2003              | 20                | 1,011                             | 1987.999  | -0.147        | 0.379           | 0.0                    |
| 88          | 160202                           | BR                           | 350              | 145                  | 5   | 74    | 21    | 36   | 7     | 57    | 1989-2003              | 9                 | 1,008                             | 1993.500  | 0.472         | 0.093           | 0.0                    |
| 89          | 160202                           | BR                           | 248              | -9                   | 74  | 0     | 26    | 33   | 2     | 65    | 1974-1988              | 10                | 813                               | 1981.038  | 0.067         | 0.854           | 0.0                    |
| 90          | 160202                           | BR                           | 311              | 123                  | 60  | 1     | 39    | 19   | 3     | 79    | 1989-2003              | 8                 | 387                               | 1994.538  | 0.714         | 0.019           | 34.6                   |
| 91          | 160202                           | BR                           | 70               | 9                    | 74  | 0     | 25    | 13   | 2     | 85    | 1989-2003              | 11                | 332                               | 1994.555  | 0.145         | 0.574           | 0.0                    |
| 92          | 160202                           | BR                           | 436              | 34                   | 18  | 66    | 16    | 57   | 14    | 29    | 1974-1988              | 9                 | 423                               | 1981.000  | -0.444        | 0.108           | 0.0                    |
| 93          | 160202                           | BR                           | 756              | 135                  | 37  | 0     | 63    | 10   | 0     | 90    | 1974-1988              | 11                | 787                               | 1980.582  | 0.891         | 0.000           | 125.2                  |
| 94          | 160202                           | BR                           | 445              | 59                   | 1   | 98    | 1     | 31   | 18    | 51    | 1989-2003              | 9                 | 364                               | 1993.530  | -0.139        | 0.672           | 0.0                    |
| 95          | 160202                           | BR                           | 138              | -9                   | 4   | 96    | 1     | 28   | 20    | 53    | 1974-1988              | 11                | 364                               | 1982.719  | 0.091         | 0.745           | 0.0                    |
| 95          | 160202                           | BR                           | 138              | -9                   | 4   | 96    | 1     | 28   | 20    | 53    | 1974-2003              | 21                | 351                               | 1987.577  | -0.333        | 0.032           | -6.7                   |
| 95          | 160202                           | BR                           | 138              | -9                   | 4   | 96    | 1     | 28   | 20    | 53    | 1989-2003              | 10                | 351                               | 1994.955  | -0.200        | 0.454           | 0.0                    |
| 96          | 160202                           | BR                           | 144              | -25                  | 26  | 13    | 61    | 14   | 20    | 66    | 1989-2003              | 11                | 351                               | 1995.447  | 0.109         | 0.692           | 0.0                    |
| 97          | 160202                           | BR                           | 505              | 53                   | 28  | 12    | 59    | 16   | 1     | 83    | 1974-1988              | 12                | 309                               | 1981.005  | 0.182         | 0.446           | 0.0                    |
| 97          | 160202                           | BR                           | 505              | 53                   | 28  | 12    | 59    | 16   | 1     | 83    | 1974-2003              | 24                | 338                               | 1987.968  | 0.688         | 0.000           | 85.1                   |
| 97          | 160202                           | BR                           | 505              | 53                   | 28  | 12    | 59    | 16   | 1     | 83    | 1989-2003              | 12                | 419                               | 1994.943  | 0.561         | 0.013           | 37.4                   |
| 98          | 160202                           | BR                           | 150              | -11                  | 43  | 0     | 57    | 20   | 1     | 80    | 1974-1988              | 13                | 263                               | 1981.463  | -0.051        | 0.851           | 0.0                    |
| 98          | 160202                           | BR                           | 150              | -11                  | 43  | 0     | 57    | 20   | 1     | 80    | 1974-2003              | 22                | 273                               | 1985.965  | 0.307         | 0.046           | 8.7                    |
| 98          | 160202                           | BR                           | 150              | -11                  | 43  | 0     | 57    | 20   | 1     | 80    | 1989-2003              | 9                 | 276                               | 1994.439  | 0.361         | 0.202           | 0.0                    |
| 99          | 160202                           | BR                           | 471              | 217                  | 37  | 0     | 63    | 5  | 0     | 95    | 1974-1988              | 10                | 455                               | 1981.005  | 0.200         | 0.466           | 0.0                    |
| 99          | 160202                           | BR                           | 471              | 217                  | 37  | 0     | 63    | 5  | 0     | 95    | 1974-2003              | 19                | 462                               | 1988.474  | 0.596         | 0.000           | 12.8                   |
| 99          | 160202                           | BR                           | 471              | 217                  | 37  | 0     | 63    | 5  | 0     | 95    | 1989-2003              | 9                 | 475                               | 1996.525  | 0.417         | 0.136           | 0.0                    |
| 100         | 160202                           | BR                           | 225              | -38                  | 45  | 11    | 44    | 24   | 33    | 43    | 1989-2003              | 11                | 520                               | 1995.447  | 0.073         | 0.812           | 0.0                    |
| 101         | 160202                           | BR                           | 138              | N/A                  | 50  | 15    | 35    | 27   | 33    | 40    | 1989-2003              | 12                | 299                               | 1995.116  | -0.515        | 0.021           | -6.3                   |
| 102         | 160202                           | BR                           | 35               | -5                   | 10  | 17    | 73    | 13   | 30    | 57    | 1989-2003              | 8                 | 1,352                             | 1996.063  | 0.179         | 0.618           | 0.0                    |
| 103         | 160202                           | BR                           | 440              | -20                  | 0   | 0     | 100   | 1  | 0     | 99    | 1974-1988              | 8                 | 553                               | 1982.183  | 0.179         | 0.610           | 0.0                    |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 104         | 160203                           | BR                           | 60               | 16                   | 35  | 0     | 65    | 9  | 1     | 90    | 1974-1988              | 8                 | 538                               | 1980.040  | 0.857         | 0.004           | 60.3                   |
| 105         | 160203                           | BR                           | 210              | 3                    | 27  | 9     | 64    | 6  | 1     | 93    | 1989-2003              | 10                | 1,271                             | 1995.455  | 0.422         | 0.107           | 0.0                    |
| 106         | 160203                           | BR                           | 410              | 14                   | 63  | 3     | 35    | 21   | 5     | 74    | 1974-1988              | 10                | 1,021                             | 1979.974  | -0.178        | 0.522           | 0.0                    |
| 107         | 160203                           | BR                           | 210              | N/A                  | 17  | 0     | 83    | 8  | 2     | 90    | 1974-1988              | 12                | 813                               | 1981.049  | 0.015         | 1.000           | 0.0                    |
| 108         | 160203                           | BR                           | 430              | N/A                  | 0   | 5     | 95    | 0  | 0     | 100   | 1989-2003              | 8                 | 845                               | 1998.103  | 0.714         | 0.017           | 24.6                   |
| 109         | 160203                           | BR                           | 84               | 38                   | 59  | 0     | 41    | 4  | 0     | 96    | 1974-1988              | 10                | 777                               | 1981.607  | 0.644         | 0.012           | 565.0                  |
| 109         | 160203                           | BR                           | 84               | 38                   | 59  | 0     | 41    | 4  | 0     | 96    | 1974-2003              | 19                | 1,092                             | 1988.496  | 0.275         | 0.108           | 0.0                    |
| 109         | 160203                           | BR                           | 84               | 38                   | 59  | 0     | 41    | 4  | 0     | 96    | 1989-2003              | 9                 | 1,183                             | 1993.614  | -0.833        | 0.002           | -72.2                  |
| 110         | 160203                           | BR                           | 200              | 26                   | 48  | 0     | 52    | 10   | 0     | 90    | 1974-1988              | 9                 | 637                               | 1980.582  | -0.278        | 0.343           | 0.0                    |
| 110         | 160203                           | BR                           | 200              | 26                   | 48  | 0     | 52    | 10   | 0     | 90    | 1974-2003              | 18                | 647                               | 1987.967  | -0.085        | 0.648           | 0.0                    |
| 110         | 160203                           | BR                           | 200              | 26                   | 48  | 0     | 52    | 10   | 0     | 90    | 1989-2003              | 9                 | 657                               | 1996.547  | -0.306        | 0.295           | 0.0                    |
| 111         | 160203                           | BR                           | 275              | 92                   | 91  | 0     | 9     | 11   | 0     | 89    | 1974-1988              | 13                | 1,482                             | 1982.441  | 0.590         | 0.006           | 30.8                   |
| 111         | 160203                           | BR                           | 275              | 92                   | 91  | 0     | 9     | 11   | 0     | 89    | 1974-2003              | 23                | 1,593                             | 1987.463  | 0.739         | 0.000           | 55.3                   |
| 111         | 160203                           | BR                           | 275              | 92                   | 91  | 0     | 9     | 11   | 0     | 89    | 1989-2003              | 10                | 1,667                             | 1996.048  | 0.689         | 0.007           | 49.9                   |
| 112         | 160203                           | BR                           | 230              | 89                   | 67  | 0     | 33    | 11   | 0     | 89    | 1989-2003              | 10                | 2,548                             | 1995.023  | 0.600         | 0.020           | 73.0                   |
| 113         | 160203                           | BR                           | 245              | 162                  | 58  | 0     | 42    | 11   | 0     | 89    | 1974-1988              | 11                | 1,261                             | 1981.580  | -0.345        | 0.155           | 0.0                    |
| 114         | 160203                           | BR                           | 416              | 56                   | 48  | 10    | 42    | 36   | 1     | 63    | 1974-1988              | 9                 | 1,820                             | 1979.485  | 0.167         | 0.593           | 0.0                    |
| 115         | 160203                           | BR                           | 608              | 184                  | 89  | 0     | 11    | 71   | 0     | 29    | 1974-1988              | 11                | 514                               | 1980.461  | 0.691         | 0.004           | 17.3                   |
| 116         | 160203                           | BR                           | 414              | 186                  | 54  | 0     | 46    | 47   | 0     | 53    | 1974-1988              | 9                 | 364                               | 1979.485  | -0.444        | 0.114           | 0.0                    |
| 116         | 160203                           | BR                           | 414              | 186                  | 54  | 0     | 46    | 47   | 0     | 53    | 1974-2003              | 17                | 377                               | 1985.482  | 0.346         | 0.056           | 0.0                    |
| 116         | 160203                           | BR                           | 414              | 186                  | 54  | 0     | 46    | 47   | 0     | 53    | 1989-2003              | 8                 | 387                               | 1996.043  | 0.214         | 0.521           | 0.0                    |
| 117         | 160203                           | BR                           | 550              | 167                  | 89  | 8     | 3     | 35   | 1     | 64    | 1974-1988              | 8                 | 923                               | 1979.583  | 0.571         | 0.049           | 6.0                    |
| 118         | 160203                           | BR                           | 613              | 187                  | 42  | 0     | 58    | 32   | 0     | 68    | 1974-1988              | 10                | 310                               | 1982.047  | -0.378        | 0.149           | 0.0                    |
| 118         | 160203                           | BR                           | 613              | 187                  | 42  | 0     | 58    | 32   | 0     | 68    | 1974-2003              | 17                | 319                               | 1986.430  | 0.147         | 0.426           | 0.0                    |
| 118         | 160203                           | BR                           | 613              | 187                  | 42  | 0     | 58    | 32   | 0     | 68    | 1989-2003              | 8                 | 325                               | 1995.544  | -0.048        | 1.000           | 0.0                    |
| 119         | 160300                           | BR                           | 250              | 72                   | 33  | 1     | 66    | 7  | 1     | 92    | 1974-1988              | 9                 | 507                               | 1980.547  | 0.389         | 0.154           | 0.0                    |
| 120         | 160300                           | BR                           | 290              | N/A                  | 74  | 0     | 26    | 19   | 2     | 79    | 1989-2003              | 13                | 358                               | 1995.583  | -0.090        | 0.711           | 0.0                    |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 121         | 160300                           | BR                           | 186              | 51                   | 10  | 0     | 90    | 3  | 0     | 97    | 1989-2003              | 11                | 241                               | 1997.385  | 0.800         | 0.001           | 12.3                   |
| 122         | 160300                           | BR                           | 363              | 155                  | 72  | 0     | 28    | 30   | 1     | 69    | 1974-1988              | 11                | 312                               | 1981.582  | 0.400         | 0.099           | 0.0                    |
| 122         | 160300                           | BR                           | 363              | 155                  | 72  | 0     | 28    | 30   | 1     | 69    | 1974-2003              | 22                | 312                               | 1988.505  | 0.195         | 0.212           | 0.0                    |
| 122         | 160300                           | BR                           | 363              | 155                  | 72  | 0     | 28    | 30   | 1     | 69    | 1989-2003              | 11                | 312                               | 1995.527  | 0.345         | 0.155           | 0.0                    |
| 123         | 160300                           | BR                           | 352              | 151                  | 61  | 0     | 39    | 30   | 0     | 69    | 1974-1988              | 8                 | 288                               | 1980.993  | 0.107         | 0.803           | 0.0                    |
| 123         | 160300                           | BR                           | 352              | 151                  | 61  | 0     | 39    | 30   | 0     | 69    | 1974-2003              | 19                | 306                               | 1992.536  | 0.310         | 0.064           | 0.0                    |
| 123         | 160300                           | BR                           | 352              | 151                  | 61  | 0     | 39    | 30   | 0     | 69    | 1989-2003              | 11                | 306                               | 1996.600  | -0.018        | 1.000           | 0.0                    |
| 124         | 160300                           | BR                           | 500              | 124                  | 14  | 1     | 85    | 22   | 1     | 77    | 1974-1988              | 9                 | 956                               | 1981.428  | -0.528        | 0.059           | 0.0                    |
| 124         | 160300                           | BR                           | 500              | 124                  | 14  | 1     | 85    | 22   | 1     | 77    | 1974-2003              | 21                | 722                               | 1990.522  | -0.762        | 0.000           | -43.2                  |
| 124         | 160300                           | BR                           | 500              | 124                  | 14  | 1     | 85    | 22   | 1     | 77    | 1989-2003              | 12                | 660                               | 1995.075  | -0.742        | 0.001           | -16.0                  |
| 125         | 160300                           | BR                           | 600              | 38                   | 19  | 2     | 79    | 16   | 2     | 82    | 1989-2003              | 11                | 377                               | 1996.594  | 0.200         | 0.417           | 0.0                    |
| 126         | 160300                           | BR                           | 320              | 140                  | 92  | 1     | 7     | 19   | 1     | 80    | 1989-2003              | 13                | 488                               | 1995.525  | -0.090        | 0.684           | 0.0                    |
| 127         | 160300                           | BR                           | 140              | 67                   | 85  | 0     | 15    | 33   | 1     | 67    | 1974-1988              | 12                | 567                               | 1981.938  | 0.591         | 0.009           | 226.9                  |
| 128         | 160300                           | BR                           | 298              | 55                   | 55  | 0     | 45    | 29   | 3     | 68    | 1989-2003              | 13                | 481                               | 1997.388  | 0.859         | 0.000           | 65.7                   |
| 129         | 160300                           | BR                           | 300              | 78                   | 78  | 0     | 22    | 31   | 1     | 68    | 1974-1988              | 12                | 304                               | 1981.938  | 0.333         | 0.148           | 0.0                    |
| 129         | 160300                           | BR                           | 300              | 78                   | 78  | 0     | 22    | 31   | 1     | 68    | 1974-2003              | 23                | 302                               | 1988.430  | -0.154        | 0.314           | 0.0                    |
| 129         | 160300                           | BR                           | 300              | 78                   | 78  | 0     | 22    | 31   | 1     | 68    | 1989-2003              | 11                | 286                               | 1996.600  | -0.418        | 0.085           | 0.0                    |
| 130         | 160300                           | BR                           | 450              | 21                   | 31  | 1     | 68    | 23   | 3     | 74    | 1989-2003              | 13                | 598                               | 1995.488  | 0.077         | 0.754           | 0.0                    |
| 131         | 160300                           | BR                           | 500              | N/A                  | 4   | 0     | 96    | 19   | 2     | 79    | 1974-1988              | 8                 | 429                               | 1983.055  | -0.679        | 0.025           | -30.7                  |
| 131         | 160300                           | BR                           | 500              | N/A                  | 4   | 0     | 96    | 19   | 2     | 79    | 1974-2003              | 20                | 416                               | 1991.534  | -0.132        | 0.433           | 0.0                    |
| 131         | 160300                           | BR                           | 500              | N/A                  | 4   | 0     | 96    | 19   | 2     | 79    | 1989-2003              | 12                | 416                               | 1996.035  | -0.091        | 0.723           | 0.0                    |
| 132         | 160300                           | BR                           | 316              | 35                   | 30  | 0     | 70    | 4  | 0     | 96    | 1989-2003              | 13                | 923                               | 1995.583  | -0.321        | 0.142           | 0.0                    |
| 133         | 160300                           | BR                           | 306              | 102                  | 8   | 0     | 92    | 9  | 0     | 91    | 1989-2003              | 13                | 369                               | 1995.525  | 0.859         | 0.000           | 22.9                   |
| 134         | 160300                           | BR                           | 600              | 79                   | 83  | 0     | 17    | 38   | 3     | 60    | 1989-2003              | 12                | 351                               | 1996.035  | 0.258         | 0.267           | 0.0                    |
| 135         | 160300                           | BR                           | 135              | 48                   | 9   | 0     | 91    | 5  | 0     | 94    | 1989-2003              | 11                | 280                               | 1996.603  | -0.345        | 0.159           | 0.0                    |
| 136         | 160300                           | BR                           | N/A              | N/A                  | 31  | 0     | 68    | 25   | 0     | 75    | 1974-1988              | 12                | 263                               | 1981.961  | 0.409         | 0.074           | 0.0                    |
| 136         | 160300                           | BR                           | N/A              | N/A                  | 31  | 0     | 68    | 25   | 0     | 75    | 1974-2003              | 25                | 293                               | 1989.394  | 0.700         | 0.000           | 40.3                   |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                   |                              |                  |                      | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|-----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic account-ing unit code | Principal basin-fill aquifer | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
|             |                                   |                              |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other |                        |                   |                                   |   |               |                 |                        |
| 136         | 160300                            | BR                           | N/A              | N/A                  | 31  | 0     | 68    | 25   | 0     | 75    | 1989-2003              | 13                | 309                               | 1997.410  | 0.897         | 0.000           | 21.9                   |
| 137         | 160300                            | BR                           | 316              | 35                   | 92  | 0     | 8     | 42   | 0     | 58    | 1989-2003              | 11                | 858                               | 1997.410  | 0.200         | 0.436           | 0.0                    |
| 138         | 160300                            | BR                           | 460              | 81                   | 56  | 0     | 44    | 14   | 3     | 83    | 1989-2003              | 11                | 1,430                             | 1995.525  | -0.273        | 0.276           | 0.0                    |
| 139         | 160300                            | BR                           | 200              | N/A                  | 26  | 0     | 74    | 14   | 2     | 83    | 1974-1988              | 12                | 731                               | 1981.021  | 0.803         | 0.000           | 132.8                  |
| 139         | 160300                            | BR                           | 200              | N/A                  | 26  | 0     | 74    | 14   | 2     | 83    | 1974-2003              | 25                | 572                               | 1989.419  | -0.220        | 0.129           | 0.0                    |
| 139         | 160300                            | BR                           | 200              | N/A                  | 26  | 0     | 74    | 14   | 2     | 83    | 1989-2003              | 13                | 546                               | 1995.525  | -0.474        | 0.028           | -15.5                  |
| 140         | 160300                            | BR                           | 305              | 11                   | 0   | 0     | 100   | 0  | 0     | 100   | 1989-2003              | 11                | 572                               | 1996.641  | 0.273         | 0.269           | 0.0                    |
| 141         | 160300                            | BR                           | 250              | N/A                  | 74  | 5     | 21    | 6  | 1     | 93    | 1974-1988              | 8                 | 429                               | 1980.987  | -0.393        | 0.212           | 0.0                    |
| 141         | 160300                            | BR                           | 250              | N/A                  | 74  | 5     | 21    | 6  | 1     | 93    | 1974-2003              | 19                | 403                               | 1990.469  | -0.468        | 0.005           | -13.6                  |
| 141         | 160300                            | BR                           | 250              | N/A                  | 74  | 5     | 21    | 6  | 1     | 93    | 1989-2003              | 11                | 397                               | 1998.522  | -0.418        | 0.080           | 0.0                    |
| 142         | 160300                            | BR                           | 310              | -14                  | 68  | 0     | 32    | 37   | 8     | 56    | 1974-1988              | 12                | 343                               | 1982.088  | -0.242        | 0.298           | 0.0                    |
| 143         | 160300                            | BR                           | 205              | 41                   | 75  | 0     | 25    | 14   | 0     | 86    | 1974-1988              | 9                 | 3,530                             | 1979.333  | -0.250        | 0.402           | 0.0                    |
| 144         | 160300                            | BR                           | 130              | 44                   | 51  | 0     | 49    | 15   | 0     | 85    | 1989-2003              | 10                | 2,740                             | 1994.053  | 0.333         | 0.210           | 0.0                    |
| 145         | 160300                            | BR                           | 353              | 74                   | 46  | 0     | 53    | 31   | 2     | 67    | 1974-1988              | 8                 | 533                               | 1979.062  | -0.036        | 1.000           | 0.0                    |
| 145         | 160300                            | BR                           | 353              | 74                   | 46  | 0     | 53    | 31   | 2     | 67    | 1974-2003              | 18                | 517                               | 1990.956  | -0.399        | 0.023           | -21.0                  |
| 145         | 160300                            | BR                           | 353              | 74                   | 46  | 0     | 53    | 31   | 2     | 67    | 1989-2003              | 10                | 479                               | 1995.986  | -0.533        | 0.039           | -47.0                  |
| 146         | 160300                            | BR                           | 375              | N/A                  | 44  | 0     | 56    | 30   | 2     | 68    | 1974-1988              | 10                | 458                               | 1980.397  | 0.267         | 0.323           | 0.0                    |
| 147         | 160300                            | BR                           | 260              | 81                   | 68  | 16    | 17    | 26   | 2     | 72    | 1974-1988              | 8                 | 809                               | 1979.081  | 0.071         | 0.900           | 0.0                    |
| 147         | 160300                            | BR                           | 260              | 81                   | 68  | 16    | 17    | 26   | 2     | 72    | 1974-2003              | 17                | 845                               | 1989.455  | 0.404         | 0.025           | 15.9                   |
| 147         | 160300                            | BR                           | 260              | 81                   | 68  | 16    | 17    | 26   | 2     | 72    | 1989-2003              | 9                 | 891                               | 1993.519  | -0.472        | 0.089           | 0.0                    |
| 148         | 160300                            | BR                           | 338              | 17                   | 62  | 0     | 38    | 33   | 2     | 65    | 1989-2003              | 12                | 939                               | 1995.010  | -0.697        | 0.002           | -20.2                  |
| 149         | 160300                            | BR                           | 900              | -26                  | 35  | 0     | 65    | 34   | 0     | 65    | 1974-1988              | 12                | 1,898                             | 1980.993  | -0.030        | 0.945           | 0.0                    |
| 149         | 160300                            | BR                           | 900              | -26                  | 35  | 0     | 65    | 34   | 0     | 65    | 1974-2003              | 25                | 1,742                             | 1989.474  | -0.613        | 0.000           | -28.5                  |
| 149         | 160300                            | BR                           | 900              | -26                  | 35  | 0     | 65    | 34   | 0     | 65    | 1989-2003              | 13                | 1,567                             | 1995.358  | -0.500        | 0.020           | -14.2                  |
| 150         | 160300                            | BR                           | 291              | -11                  | 46  | 0     | 54    | 28   | 5     | 67    | 1989-2003              | 15                | 488                               | 1996.603  | 0.019         | 0.959           | 0.0                    |
| 151         | 160300                            | BR                           | 407              | 35                   | 49  | 0     | 51    | 34   | 0     | 66    | 1989-2003              | 9                 | 520                               | 1994.589  | 0.083         | 0.831           | 0.0                    |
| 152         | 160300                            | BR                           | 105              | 49                   | 31  | 0     | 69    | 22   | 0     | 78    | 1989-2003              | 12                | 1,183                             | 1996.130  | 0.561         | 0.013           | 15.7                   |
| 153         | 160300                            | BR                           | 506              | 40                   | 79  | 0     | 20    | 22   | 0     | 78    | 1974-1988              | 9                 | 1,398                             | 1981.461  | 0.056         | 0.917           | 0.0                    |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 153         | 160300                           | BR                           | 506              | 40                   | 79  | 0     | 20    | 22   | 0     | 78    | 1974-2003              | 20                | 1,264                             | 1989.931  | -0.326        | 0.048           | -26.2                  |
| 153         | 160300                           | BR                           | 506              | 40                   | 79  | 0     | 20    | 22   | 0     | 78    | 1989-2003              | 11                | 1,157                             | 1995.646  | -0.018        | 1.000           | 0.0                    |
| 154         | 160300                           | BR                           | 160              | -5                   | 83  | 0     | 17    | 46   | 0     | 53    | 1989-2003              | 11                | 722                               | 1993.169  | -0.236        | 0.336           | 0.0                    |
| 155         | 160300                           | BR                           | 203              | 17                   | 44  | 0     | 56    | 28   | 1     | 71    | 1974-1988              | 8                 | 2,145                             | 1979.988  | 0.250         | 0.421           | 0.0                    |
| 155         | 160300                           | BR                           | 203              | 17                   | 44  | 0     | 56    | 28   | 1     | 71    | 1974-2003              | 16                | 2,152                             | 1987.573  | 0.217         | 0.254           | 0.0                    |
| 155         | 160300                           | BR                           | 203              | 17                   | 44  | 0     | 56    | 28   | 1     | 71    | 1989-2003              | 8                 | 2,184                             | 1996.553  | 0.500         | 0.108           | 0.0                    |
| 156         | 160300                           | BR                           | 280              | 75                   | 56  | 0     | 44    | 29   | 3     | 67    | 1974-1988              | 8                 | 764                               | 1982.605  | 0.357         | 0.258           | 0.0                    |
| 157         | 160300                           | BR                           | 472              | 129                  | 40  | 42    | 18    | 29   | 3     | 68    | 1974-1988              | 9                 | 774                               | 1981.536  | 0.444         | 0.114           | 0.0                    |
| 157         | 160300                           | BR                           | 472              | 129                  | 40  | 42    | 18    | 29   | 3     | 68    | 1974-2003              | 18                | 774                               | 1988.537  | 0.157         | 0.381           | 0.0                    |
| 157         | 160300                           | BR                           | 472              | 129                  | 40  | 42    | 18    | 29   | 3     | 68    | 1989-2003              | 9                 | 774                               | 1993.552  | 0.222         | 0.461           | 0.0                    |
| 158         | 160300                           | BR                           | 405              | 248                  | 28  | 46    | 25    | 25   | 3     | 72    | 1974-1988              | 9                 | 845                               | 1980.600  | -0.250        | 0.378           | 0.0                    |
| 158         | 160300                           | BR                           | 405              | 248                  | 28  | 46    | 25    | 25   | 3     | 72    | 1974-2003              | 18                | 793                               | 1989.015  | -0.268        | 0.126           | 0.0                    |
| 158         | 160300                           | BR                           | 405              | 248                  | 28  | 46    | 25    | 25   | 3     | 72    | 1989-2003              | 9                 | 774                               | 1993.552  | 0.250         | 0.402           | 0.0                    |
| 159         | 160501                           | BR                           | 125              | 33                   | 0   | 61    | 39    | 0  | 32    | 68    | 1989-2003              | 14                | 62                                | 1997.215  | 0.747         | 0.000           | 18.7                   |
| 160         | 160501                           | BR                           | 23               | 13                   | 0   | 38    | 62    | 0  | 20    | 80    | 1989-2003              | 13                | 218                               | 1996.869  | -0.321        | 0.142           | 0.0                    |
| 161         | 160501                           | BR                           | 24               | 14                   | 0   | 37    | 63    | 0  | 17    | 83    | 1989-2003              | 12                | 137                               | 1997.216  | 0.318         | 0.169           | 0.0                    |
| 162         | 160501                           | BR                           | 58               | 8                    | 0   | 27    | 73    | 0  | 13    | 87    | 1989-2003              | 12                | 105                               | 1997.204  | 0.303         | 0.193           | 0.0                    |
| 163         | 160501                           | BR                           | 31               | 17                   | 0   | 20    | 80    | 0  | 7     | 93    | 1989-2003              | 13                | 260                               | 1996.869  | 0.744         | 0.001           | 59.5                   |
| 164         | 160501                           | BR                           | 320              | N/A                  | 0   | 67    | 33    | 0  | 10    | 90    | 1989-2003              | 13                | 79                                | 1996.925  | 0.718         | 0.001           | 36.6                   |
| 165         | 160501                           | BR                           | 27               | 11                   | 0   | 9     | 91    | 0  | 1     | 99    | 1989-2003              | 13                | 171                               | 1996.885  | 0.833         | 0.000           | 31.0                   |
| 166         | 160501                           | BR                           | 28               | 18                   | 0   | 13    | 87    | 0  | 1     | 99    | 1989-2003              | 13                | 173                               | 1996.869  | -0.064        | 0.807           | 0.0                    |
| 167         | 160501                           | BR                           | 445              | 191                  | 0   | 52    | 48    | 0  | 8     | 92    | 1989-2003              | 13                | 111                               | 1996.925  | 0.756         | 0.000           | 21.1                   |
| 168         | 160501                           | BR                           | 223              | 176                  | 0   | 0     | 100   | 0  | 10    | 90    | 1989-2003              | 13                | 73                                | 1996.925  | -0.218        | 0.326           | 0.0                    |
| 169         | 160501                           | BR                           | 110              | 6                    | 0   | 0     | 100   | 0  | 2     | 98    | 1989-2003              | 14                | 108                               | 1997.234  | 0.462         | 0.025           | 84.4                   |
| 170         | 160502                           | BR                           | 141              | 3                    | 87  | 0     | 13    | 43   | 3     | 55    | 1989-2003              | 14                | 72                                | 1997.126  | 0.538         | 0.008           | 14.5                   |
| 171         | 160502                           | BR                           | 145              | 97                   | 5   | 67    | 27    | 7  | 10    | 83    | 1989-2003              | 12                | 359                               | 1996.123  | 0.182         | 0.451           | 0.0                    |
| 172         | 160502                           | BR                           | 91               | 22                   | 22  | 67    | 11    | 56   | 14    | 30    | 1989-2003              | 14                | 130                               | 1997.129  | -0.440        | 0.032           | -21.3                  |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
| 173         | 160502                           | BR                           | 125              | 64                   | 0   | 5     | 95    | 25   | 1     | 73    | 1989-2003              | 14                | 210                               | 1997.114  | 0.725         | 0.000           | 35.1                   |
| 174         | 160502                           | BR                           | 80               | 9                    | 56  | 0     | 44    | 36   | 9     | 55    | 1989-2003              | 14                | 271                               | 1997.129  | 0.780         | 0.000           | 75.7                   |
| 175         | 160502                           | BR                           | 115              | 7                    | 51  | 0     | 49    | 32   | 1     | 67    | 1989-2003              | 14                | 146                               | 1997.126  | 0.220         | 0.296           | 0.0                    |
| 176         | 160502                           | BR                           | 180              | 122                  | 0   | 21    | 79    | 22   | 2     | 76    | 1989-2003              | 14                | 193                               | 1997.126  | 0.418         | 0.042           | 6.9                    |
| 177         | 160502                           | BR                           | 176              | 108                  | 0   | 8     | 92    | 5  | 7     | 88    | 1989-2003              | 14                | 225                               | 1997.120  | 0.516         | 0.012           | 12.2                   |
| 178         | 160502                           | BR                           | 100              | 5                    | 44  | 9     | 47    | 6  | 3     | 91    | 1989-2003              | 14                | 83                                | 1997.108  | 0.484         | 0.018           | 8.1                    |
| 179         | 160502                           | BR                           | 155              | 45                   | 0   | 41    | 59    | 8  | 7     | 85    | 1989-2003              | 14                | 173                               | 1997.116  | 0.462         | 0.024           | 11.5                   |
| 180         | 160503                           | BR                           | 183              | 80                   | 0   | 30    | 70    | 2  | 4     | 94    | 1989-2003              | 11                | 319                               | 1993.683  | -0.055        | 0.876           | 0.0                    |
| 181         | 180902                           | BR                           | 400              | 34                   | 0   | 66    | 33    | 7  | 40    | 53    | 1989-2003              | 10                | 120                               | 1996.810  | 0.156         | 0.589           | 0.0                    |
| 182         | 180902                           | BR                           | 660              | 425                  | 0   | 0     | 100   | 0  | 3     | 97    | 1989-2003              | 8                 | 335                               | 1998.256  | 0.250         | 0.454           | 0.0                    |
| 183         | 180902                           | BR                           | 731              | N/A                  | 25  | 6     | 69    | 8  | 4     | 88    | 1974-1988              | 11                | 398                               | 1980.480  | -0.091        | 0.754           | 0.0                    |
| 183         | 180902                           | BR                           | 731              | N/A                  | 25  | 6     | 69    | 8  | 4     | 88    | 1974-2003              | 23                | 390                               | 1989.256  | -0.372        | 0.014           | -10.2                  |
| 183         | 180902                           | BR                           | 731              | N/A                  | 25  | 6     | 69    | 8  | 4     | 88    | 1989-2003              | 12                | 370                               | 1996.983  | -0.439        | 0.052           | 0.0                    |
| 184         | 180902                           | BR                           | 500              | 258                  | 68  | 2     | 30    | 78   | 0     | 22    | 1974-1988              | 12                | 342                               | 1980.963  | -0.348        | 0.128           | 0.0                    |
| 185         | 180902                           | BR                           | 290              | N/A                  | 74  | 18    | 9     | 26   | 27    | 47    | 1974-1988              | 14                | 285                               | 1981.956  | -0.648        | 0.001           | -29.8                  |
| 186         | 180902                           | BR                           | 100              | 38                   | 79  | 2     | 19    | 32   | 17    | 51    | 1974-1988              | 14                | 576                               | 1981.958  | -0.033        | 0.913           | 0.0                    |
| 187         | 180902                           | BR                           | 930              | 132                  | 2   | 27    | 71    | 53   | 7     | 40    | 1974-1988              | 13                | 307                               | 1981.441  | 0.231         | 0.295           | 0.0                    |
| 187         | 180902                           | BR                           | 930              | 132                  | 2   | 27    | 71    | 53   | 7     | 40    | 1974-2003              | 24                | 313                               | 1987.651  | 0.641         | 0.000           | 37.5                   |
| 187         | 180902                           | BR                           | 930              | 132                  | 2   | 27    | 71    | 53   | 7     | 40    | 1989-2003              | 11                | 354                               | 1994.719  | 0.691         | 0.004           | 19.1                   |
| 188         | 180902                           | BR                           | 200              | 45                   | 37  | 0     | 63    | 9  | 3     | 88    | 1989-2003              | 10                | 842                               | 1997.331  | 0.333         | 0.210           | 0.0                    |
| 189         | 180902                           | BR                           | 370              | N/A                  | 73  | 0     | 27    | 51   | 2     | 47    | 1974-1988              | 11                | 195                               | 1981.439  | 0.727         | 0.002           | 131.6                  |
| 189         | 180902                           | BR                           | 370              | N/A                  | 73  | 0     | 27    | 51   | 2     | 47    | 1974-2003              | 24                | 275                               | 1989.787  | 0.928         | 0.000           | 106.3                  |
| 189         | 180902                           | BR                           | 370              | N/A                  | 73  | 0     | 27    | 51   | 2     | 47    | 1989-2003              | 13                | 305                               | 1995.530  | 0.936         | 0.000           | 24.7                   |
| 190         | 180902                           | BR                           | 200              | 160                  | 0   | 0     | 100   | 17   | 0     | 83    | 1974-1988              | 13                | 230                               | 1982.472  | -0.141        | 0.540           | 0.0                    |
| 190         | 180902                           | BR                           | 200              | 160                  | 0   | 0     | 100   | 17   | 0     | 83    | 1974-2003              | 25                | 230                               | 1988.743  | -0.177        | 0.223           | 0.0                    |
| 190         | 180902                           | BR                           | 200              | 160                  | 0   | 0     | 100   | 17   | 0     | 83    | 1989-2003              | 12                | 230                               | 1995.134  | -0.273        | 0.241           | 0.0                    |
| 191         | 180902                           | BR                           | 150              | 147                  | 0   | 17    | 83    | 8  | 0     | 91    | 1974-1988              | 10                | 254                               | 1983.058  | 0.111         | 0.718           | 0.0                    |
| 191         | 180902                           | BR                           | 150              | 147                  | 0   | 17    | 83    | 8  | 0     | 91    | 1974-2003              | 21                | 250                               | 1989.256  | -0.610        | 0.000           | -15.4                  |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              |                  |                      | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer | Well depth, feet | Depth to water, feet | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
|             |                                  |                              |                  |                      |   |       |       |  |       |       |                        |                   |                                   |   |               |                 |                        |
| 192         | 180902                           | BR                           | 425              | 78                   | 90  | 0     | 10    | 63   | 0     | 37    | 1974-1988              | 13                | 244                               | 1981.441  | -0.205        | 0.358           | 0.0                    |
| 192         | 180902                           | BR                           | 425              | 78                   | 90  | 0     | 10    | 63   | 0     | 37    | 1974-2003              | 26                | 243                               | 1988.448  | -0.074        | 0.612           | 0.0                    |
| 192         | 180902                           | BR                           | 425              | 78                   | 90  | 0     | 10    | 63   | 0     | 37    | 1989-2003              | 13                | 243                               | 1997.525  | 0.218         | 0.328           | 0.0                    |
| 193         | 180902                           | BR                           | 485              | 244                  | 95  | 0     | 5     | 74   | 3     | 23    | 1974-1988              | 14                | 333                               | 1981.958  | 0.231         | 0.270           | 0.0                    |
| 194         | 180902                           | BR                           | N/A              | N/A                  | 57  | 1     | 42    | 8  | 0     | 92    | 1989-2003              | 10                | 848                               | 1996.813  | -0.867        | 0.001           | -35.2                  |
| 195         | 180902                           | BR                           | 600              | 277                  | 74  | 0     | 26    | 44   | 0     | 56    | 1989-2003              | 13                | 242                               | 1996.444  | 0.641         | 0.002           | 3.1                    |
| 196         | 180902                           | BR                           | 60               | 14                   | 1   | 0     | 98    | 1  | 7     | 92    | 1989-2003              | 11                | 962                               | 1998.286  | 0.564         | 0.019           | 15.6                   |
| 197         | 180902                           | BR                           | 120              | 14                   | 1   | 0     | 98    | 1  | 7     | 92    | 1989-2003              | 11                | 852                               | 1998.286  | 0.709         | 0.003           | 20.2                   |
| 198         | 180902                           | BR                           | 110              | 19                   | 1   | 2     | 97    | 1  | 7     | 92    | 1989-2003              | 10                | 952                               | 1996.298  | 0.644         | 0.012           | 20.5                   |
| 199         | 180902                           | BR                           | 97.9             | 30                   | 1   | 25    | 73    | 1  | 9     | 90    | 1974-1988              | 13                | 787                               | 1980.422  | 0.410         | 0.059           | 0.0                    |
| 200         | 180902                           | BR                           | 360              | 131                  | 24  | 0     | 76    | 14   | 4     | 82    | 1989-2003              | 11                | 387                               | 1997.235  | 0.000         | 1.000           | 0.0                    |
| 201         | 180902                           | BR                           | 75               | 7                    | 0   | 30    | 70    | 1  | 13    | 86    | 1989-2003              | 10                | 631                               | 1996.309  | 0.200         | 0.474           | 0.0                    |
| 202         | 180902                           | BR                           | 107              | 11                   | 17  | 20    | 63    | 1  | 17    | 81    | 1989-2003              | 11                | 787                               | 1995.364  | 0.364         | 0.138           | 0.0                    |
| 203         | 180902                           | BR                           | 190              | 132                  | 0   | 0     | 100   | 9  | 0     | 91    | 1989-2003              | 12                | 294                               | 1997.523  | 0.333         | 0.148           | 0.0                    |
| 204         | 180902                           | BR                           | 900              | N/A                  | 71  | 0     | 29    | 16   | 1     | 83    | 1974-1988              | 13                | 408                               | 1982.474  | 0.372         | 0.087           | 0.0                    |
| 204         | 180902                           | BR                           | 900              | N/A                  | 71  | 0     | 29    | 16   | 1     | 83    | 1974-2003              | 24                | 414                               | 1988.200  | 0.228         | 0.124           | 0.0                    |
| 204         | 180902                           | BR                           | 900              | N/A                  | 71  | 0     | 29    | 16   | 1     | 83    | 1989-2003              | 11                | 428                               | 1995.527  | 0.073         | 0.815           | 0.0                    |
| 205         | 180902                           | BR                           | 100              | 31                   | 0   | 0     | 100   | 3  | 0     | 97    | 1989-2003              | 12                | 306                               | 1997.524  | 0.682         | 0.002           | 19.7                   |
| 206         | 180902                           | BR                           | 750              | N/A                  | 0   | 0     | 100   | 9  | 1     | 90    | 1974-1988              | 14                | 458                               | 1981.959  | 0.132         | 0.545           | 0.0                    |
| 207         | 180902                           | BR                           | 686              | 367                  | 0   | 0     | 100   | 1  | 2     | 97    | 1989-2003              | 13                | 505                               | 1997.519  | 0.590         | 0.006           | 5.1                    |
| 208         | 180902                           | BR                           | 456              | 220                  | 3   | 9     | 87    | 2  | 0     | 98    | 1989-2003              | 13                | 490                               | 1997.519  | -0.295        | 0.179           | 0.0                    |
| 209         | 180902                           | BR                           | 250              | 75                   | 0   | 1     | 99    | 1  | 0     | 99    | 1974-1988              | 9                 | 1,151                             | 1983.649  | 1.000         | 0.000           | 105.7                  |
| 209         | 180902                           | BR                           | 250              | 75                   | 0   | 1     | 99    | 1  | 0     | 99    | 1974-2003              | 23                | 1,216                             | 1991.600  | 0.067         | 0.672           | 0.0                    |
| 209         | 180902                           | BR                           | 250              | 75                   | 0   | 1     | 99    | 1  | 0     | 99    | 1989-2003              | 14                | 1,255                             | 1995.990  | -0.747        | 0.000           | -37.2                  |
| 210         | 180902                           | BR                           | 485              | 80                   | 0   | 0     | 100   | 2  | 0     | 97    | 1974-1988              | 14                | 515                               | 1981.959  | -0.286        | 0.170           | 0.0                    |
| 211         | 180902                           | BR                           | 615              | 160                  | 0   | 0     | 100   | 3  | 0     | 97    | 1974-1988              | 10                | 477                               | 1983.063  | -0.133        | 0.653           | 0.0                    |

**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              | Land use in 1,640 foot radius buffer around well, percent |                      |   | Land use in 16,400 foot radius buffer around well, percent |       |  | Trend analysis results |       |                 |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|---|----------------------|---|--|-------|--|------------------------|-------|-----------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer | Well depth, feet  | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |  |       | Land use in 16,400 foot radius buffer around well, percent |                        |       | Analysis period | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
|             |                                  |                              |   |                      | Agri-cultural   | Urban  | Other | Agri-cultural  | Urban                  | Other |                 |                   |                                   |   |               |                 |                        |
| 211         | 180902                           | BR                           | 615   | 160                  | 0   | 0  | 100   | 3  | 0                      | 97    | 1974-2003       | 25                | 488                               | 1991.600  | 0.103         | 0.483           | 0.0                    |
| 211         | 180902                           | BR                           | 615   | 160                  | 0   | 0  | 100   | 3  | 0                      | 97    | 1989-2003       | 15                | 491                               | 1996.447  | 0.048         | 0.842           | 0.0                    |
| 212         | 180902                           | BR                           | 250   | 141                  | 0   | 0  | 100   | 2  | 0                      | 98    | 1989-2003       | 13                | 564                               | 1997.522  | -0.192        | 0.392           | 0.0                    |
| 213         | 180902                           | BR                           | 300   | 108                  | 0   | 0  | 100   | 1  | 0                      | 99    | 1989-2003       | 13                | 2,958                             | 1997.522  | -0.295        | 0.179           | 0.0                    |
| 214         | 180902                           | BR                           | 600   | 333                  | 0   | 0  | 100   | 1  | 0                      | 99    | 1989-2003       | 13                | 449                               | 1997.522  | 0.103         | 0.668           | 0.0                    |
| 215         | 181001                           | BR                           | 800   | 244                  | 0   | 37   | 63    | 0  | 31                     | 69    | 1989-2003       | 8                 | 194                               | 1994.715  | 0.750         | 0.013           | 55.8                   |
| 216         | 181001                           | BR                           | N/A   | 221                  | 0   | 66   | 34    | 0  | 24                     | 76    | 1989-2003       | 8                 | 257                               | 1994.976  | -0.036        | 1.000           | 0.0                    |
| 217         | 181001                           | BR                           | 250   | 173                  | 1   | 0  | 99    | 0  | 9                      | 91    | 1974-1988       | 8                 | 262                               | 1984.040  | 0.179         | 0.618           | 0.0                    |
| 218         | 181002                           | BR                           | 348   | 177                  | 0   | 1  | 99    | 0  | 0                      | 100   | 1989-2003       | 13                | 341                               | 1997.211  | 0.064         | 0.805           | 0.0                    |
| 219         | 181002                           | BR                           | N/A   | N/A                  | 0   | 22   | 78    | 0  | 2                      | 98    | 1989-2003       | 10                | 1,060                             | 1998.728  | 0.089         | 0.786           | 0.0                    |
| 220         | 181002                           | BR                           | N/A   | 77                   | 0   | 18   | 82    | 0  | 2                      | 98    | 1974-1988       | 13                | 458                               | 1982.191  | 0.423         | 0.050           | 11.5                   |
| 221         | 181002                           | BR                           | 410   | 83                   | 0   | 10   | 90    | 0  | 2                      | 98    | 1974-1988       | 11                | 315                               | 1983.249  | -0.091        | 0.754           | 0.0                    |
| 221         | 181002                           | BR                           | 410   | 83                   | 0   | 10   | 90    | 0  | 2                      | 98    | 1974-2003       | 24                | 319                               | 1990.234  | 0.326         | 0.026           | 7.1                    |
| 221         | 181002                           | BR                           | 410   | 83                   | 0   | 10   | 90    | 0  | 2                      | 98    | 1989-2003       | 13                | 319                               | 1997.213  | 0.526         | 0.013           | 5.0                    |
| 222         | 181002                           | BR                           | N/A   | N/A                  | 0   | 13   | 87    | 0  | 2                      | 98    | 1989-2003       | 11                | 397                               | 1998.246  | 0.309         | 0.206           | 0.0                    |
| 223         | 181002                           | BR                           | 303   | 125                  | 0   | 44   | 56    | 0  | 2                      | 98    | 1989-2003       | 12                | 397                               | 1997.731  | -0.455        | 0.046           | -4.3                   |
| 224         | 181002                           | BR                           | 200   | 161                  | 0   | 14   | 86    | 0  | 2                      | 98    | 1974-1988       | 13                | 384                               | 1982.189  | 0.026         | 0.951           | 0.0                    |
| 225         | 181002                           | BR                           | N/A   | N/A                  | 0   | 9  | 91    | 0  | 2                      | 98    | 1974-1988       | 13                | 598                               | 1982.191  | 0.782         | 0.000           | 59.2                   |
| 225         | 181002                           | BR                           | N/A   | N/A                  | 0   | 9  | 91    | 0  | 2                      | 98    | 1974-2003       | 27                | 657                               | 1989.224  | 0.271         | 0.050           | 24.0                   |
| 225         | 181002                           | BR                           | N/A   | N/A                  | 0   | 9  | 91    | 0  | 2                      | 98    | 1989-2003       | 14                | 696                               | 1996.719  | -0.912        | 0.000           | -34.2                  |
| 226         | 181002                           | BR                           | 372   | 102                  | 0   | 1  | 99    | 0  | 2                      | 98    | 1974-1988       | 9                 | 325                               | 1980.333  | 0.500         | 0.076           | 0.0                    |
| 226         | 181002                           | BR                           | 372   | 102                  | 0   | 1  | 99    | 0  | 2                      | 98    | 1974-2003       | 22                | 358                               | 1991.272  | 0.268         | 0.085           | 0.0                    |
| 226         | 181002                           | BR                           | 372   | 102                  | 0   | 1  | 99    | 0  | 2                      | 98    | 1989-2003       | 13                | 370                               | 1997.213  | -0.346        | 0.112           | 0.0                    |
| 227         | 181002                           | BR                           | N/A   | 27                   | 0   | 6  | 94    | 0  | 2                      | 98    | 1974-1988       | 12                | 764                               | 1982.958  | -0.333        | 0.148           | 0.0                    |
| 228         | 181002                           | BR                           | 101.5   | 60                   | 0   | 0  | 100   | 0  | 2                      | 98    | 1974-1988       | 12                | 436                               | 1982.959  | 0.455         | 0.041           | 5.3                    |
| 229         | 181002                           | BR                           | 149   | 107                  | 0   | 0  | 100   | 0  | 2                      | 98    | 1974-1988       | 12                | 523                               | 1982.720  | 0.030         | 0.945           | 0.0                    |
| 229         | 181002                           | BR                           | 149   | 107                  | 0   | 0  | 100   | 0  | 2                      | 98    | 1974-2003       | 25                | 533                               | 1989.208  | 0.270         | 0.061           | 0.0                    |



**Appendix 6.** Location, well depth, depth to water, land use, and dissolved-solids concentration trend-analysis data for ground-water-quality monitoring wells in basin-fill aquifers of the Southwestern United States—Continued.

| Location    |                                  |                              |                  |                      | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Trend analysis results |                   |                                   |   |               |                 |                        |
|-------------|----------------------------------|------------------------------|------------------|----------------------|---|-------|-------|--|-------|-------|------------------------|-------------------|-----------------------------------|---|---------------|-----------------|------------------------|
| Site number | Hydro-logic accounting unit code | Principal basin-fill aquifer | Well depth, feet | Depth to water, feet | Land use in 1,640 foot radius buffer around well, percent |       |       | Land use in 16,400 foot radius buffer around well, percent |       |       | Analysis period        | Number of samples | Median sample concentration, mg/L | Median sample date, as a decimal fraction of the year | Kendall's tau | P-value for tau | Period change, percent |
|             |                                  |                              |                  |                      | Agri-cultural   | Urban | Other | Agri-cultural  | Urban | Other |                        |                   |                                   |   |               |                 |                        |
| 229         | 181002                           | BR                           | 149              | 107                  | 0   | 0     | 100   | 0  | 2     | 98    | 1989-2003              | 13                | 538                               | 1997.211  | 0.013         | 1.000           | 0.0                    |
| 230         | 181002                           | BR                           | 128.4            | 107                  | 0   | 0     | 10    | 0  | 2     | 98    | 1974-1988              | 12                | 1,427                             | 1982.717  | 0.152         | 0.533           | 0.0                    |
| 230         | 181002                           | BR                           | 128.4            | 107                  | 0   | 0     | 100   | 0  | 2     | 98    | 1974-2003              | 25                | 1,411                             | 1989.205  | -0.127        | 0.386           | 0.0                    |
| 230         | 181002                           | BR                           | 128.4            | 107                  | 0   | 0     | 100   | 0  | 2     | 98    | 1989-2003              | 13                | 1,404                             | 1997.213  | -0.269        | 0.215           | 0.0                    |
| 231         | 180701                           | CB                           | 122              | 39                   | 0   | 48    | 52    | 2  | 5     | 93    | 1974-1988              | 13                | 553                               | 1982.477  | 0.282         | 0.200           | 0.0                    |
| 232         | 180702                           | CB                           | 988              | 1                    | 15  | 32    | 53    | 20   | 52    | 28    | 1989-2003              | 13                | 195                               | 1994.355  | 0.154         | 0.498           | 0.0                    |
| 233         | 180702                           | CB                           | 689              | 263                  | 0   | 82    | 18    | 2  | 68    | 30    | 1989-2003              | 16                | 351                               | 1996.090  | -0.025        | 0.928           | 0.0                    |
| 234         | 180703                           | CB                           | 50               | 18                   | 74  | 0     | 26    | 21   | 1     | 78    | 1974-1988              | 11                | 507                               | 1980.372  | 0.382         | 0.117           | 0.0                    |
| 235         | 180703                           | CB                           | 125              | 8                    | 52  | 2     | 46    | 18   | 1     | 81    | 1974-1988              | 11                | 397                               | 1980.369  | 0.055         | 0.876           | 0.0                    |
| 236         | 180703                           | CB                           | 143              | 48                   | 25  | 0     | 75    | 13   | 1     | 86    | 1974-1988              | 11                | 384                               | 1980.369  | 0.236         | 0.347           | 0.0                    |
| 237         | 180703                           | CB                           | 405              | 58                   | 0   | 0     | 100   | 5  | 4     | 91    | 1974-1988              | 8                 | 442                               | 1983.027  | 0.607         | 0.042           | 18.9                   |
| 238         | 180703                           | CB                           | 96               | 36                   | 1   | 3     | 96    | 8  | 6     | 85    | 1974-1988              | 8                 | 429                               | 1984.109  | 0.036         | 1.000           | 0.0                    |
| 238         | 180703                           | CB                           | 96               | 36                   | 1   | 3     | 96    | 8  | 6     | 85    | 1974-2003              | 19                | 419                               | 1990.569  | -0.339        | 0.045           | -7.2                   |
| 238         | 180703                           | CB                           | 96               | 36                   | 1   | 3     | 96    | 8  | 6     | 85    | 1989-2003              | 11                | 403                               | 1995.666  | 0.291         | 0.238           | 0.0                    |
| 239         | 180703                           | CB                           | 1,000            | 106                  | 1   | 4     | 96    | 8  | 6     | 86    | 1974-1988              | 9                 | 277                               | 1982.500  | 0.750         | 0.006           | 110.4                  |
| 239         | 180703                           | CB                           | 1,000            | 106                  | 1   | 4     | 96    | 8  | 6     | 86    | 1974-2003              | 23                | 299                               | 1991.544  | 0.225         | 0.138           | 0.0                    |
| 239         | 180703                           | CB                           | 1,000            | 106                  | 1   | 4     | 96    | 8  | 6     | 86    | 1989-2003              | 14                | 301                               | 1997.135  | 0.132         | 0.546           | 0.0                    |
| 240         | 180703                           | CB                           | 348              | 53                   | 62  | 12    | 26    | 10   | 9     | 81    | 1989-2003              | 10                | 234                               | 1996.161  | 0.644         | 0.012           | 8.5                    |
| 241         | 180703                           | CB                           | 182              | N/A                  | 48  | 0     | 52    | 22   | 4     | 74    | 1974-1988              | 11                | 198                               | 1981.519  | 0.473         | 0.050           | 15.7                   |

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**Appendix 7. Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88.**

[mg/L, milligrams per liter; HUC, hydrologic unit code; MS, main-stem site; T, tributary site; -, no data shown. AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1]

| USGS site identifier | Site name   | HUC      | Major river basin          | Hydrologic subregion      | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |                          |   |
|----------------------|---|----------|----------------------------|---------------------------|-----------|-------------------------|--|---------------|---------------|--------------------------|---|
|                      |   |          |                            |                           |           |                         | Base year <sup>1</sup> (1974–76), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 08251500             | Rio Grande near Lobatos, CO.                        | 13010002 | Upper Rio Grande Basin     | Rio Grande Headwaters     | MS        | 5                       | 149  | 185           | 149           | 185                      | 24  |
| 08276500             | Rio Grande below Taos Junction Bridge near Taos, NM | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 5                       | 151  | 191           | 151           | 191                      | 27  |
| 08279000             | Embudo Creek at Dixon, NM                           | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 1                       | 220  | 220           | 220           | 220                      | 0   |
| 08290000             | Rio Chama near Chamita, NM                          | 13020102 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 2                       | 306  | 306           | 236           | 236                      | -23   |
| 08313000             | Rio Grande at Otowi Bridge, NM                      | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 2                       | 234  | 234           | 204           | 204                      | -13   |
| 08319000             | Rio Grande at San Felipe, NM                        | 13020201 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 1                       | 231  | 231           | 231           | 231                      | 0   |
| 08329000             | Jemez River below Jemez Canyon Dam, NM              | 13020202 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 4                       | 988  | 988           | 755           | 779                      | -21   |
| 08332010             | Rio Grande floodway near Bernardo, NM               | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 2                       | 512  | 512           | 343           | 343                      | -33   |
| 08353000             | Rio Puerco near Bernardo, NM                        | 13020204 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 1                       | 2,080  | 2,080         | 2,080         | 2,080                    | 0   |
| 08354900             | Rio Grande floodway at San Acacia, NM               | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 2                       | 520  | 520           | 428           | 428                      | -18   |
| 08358400             | Rio Grande floodway at San Marcial, NM              | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 2                       | 715  | 715           | 438           | 438                      | -39   |
| 08364000             | Rio Grande at El Paso, TX                           | 13030102 | Upper Rio Grande Basin     | Rio Grande-Mimbres        | MS        | 1                       | 777  | 777           | 777           | 777                      | 0   |
| 08481500             | Tularosa Creek near Bent, NM                        | 13050003 | Upper Rio Grande Basin     | Rio Grande Closed Basins  | T         | 2                       | 1,080  | 1,080         | 934           | 934                      | -14   |
| 09034500             | Colorado River at Hot Sulphur Springs, CO           | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 4                       | 91   | 91            | 88            | 89                       | -2  |
| 09067000             | Beaver Creek at Avon, CO                            | 14010003 | Upper Colorado River Basin | Colorado Headwaters       | T         | 5                       | 125  | 162           | 125           | 162                      | 30  |
| 09070500             | Colorado River near Dotsero, CO                     | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 5                       | 249  | 263           | 249           | 263                      | 5   |
| 09085000             | Roaring Fork River at Glenwood Springs, CO          | 14010004 | Upper Colorado River Basin | Colorado Headwaters       | T         | 2                       | 368  | 368           | 351           | 351                      | -5  |
| 09093700             | Colorado River near De Beque, CO                    | 14010005 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 2                       | 638  | 638           | 628           | 628                      | -2  |
| 09095500             | Colorado River near Cameo, CO                       | 14010005 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 8                       | 628  | 633           | 624           | 624                      | -1  |
| 09149500             | Uncompahgre River at Delta, CO                      | 14020006 | Upper Colorado River Basin | Gunnison                  | T         | 2                       | 1,500  | 1,500         | 1,390         | 1,390                    | -7  |
| 09152500             | Gunnison River near Grand Junction, CO              | 14020005 | Upper Colorado River Basin | Gunnison                  | MS        | 3                       | 595  | 596           | 571           | 571                      | -4  |
| 09177000             | San Miguel River at Uravan, CO                      | 14030003 | Upper Colorado River Basin | Upper Colorado-Dolores    | T         | 6                       | 548  | 606           | 548           | 594                      | 8   |

See footnotes at end of table.

**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name  | HUC      | Major river basin          | Hydrologic subregion     | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |                          |     | Period change, base year to ending year, as percentage of base year |
|----------------------|--|----------|----------------------------|--------------------------|-----------|-------------------------|--|---------------|---------------|--------------------------|-----|---|
|                      |  |          |                            |                          |           |                         | Base year <sup>1</sup> (1974–76), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L |     |   |
| 09180000             | Dolores River near Cisco, UT                             | 14030004 | Upper Colorado River Basin | Upper Colorado-Dolores   | MS        | 3                       | 1,730  | 1,760         | 1,540         | 1,540                    | -11 |   |
| 09180500             | Colorado River near Cisco, UT                            | 14030005 | Upper Colorado River Basin | Upper Colorado-Dolores   | MS        | 3                       | 785  | 799           | 775           | 775                      | -1  |   |
| 09183000             | Courthouse Wash near Moab, UT                            | 14030005 | Upper Colorado River Basin | Upper Colorado-Dolores   | T         | 1                       | 555  | 555           | 555           | 555                      | 0   |   |
| 09184000             | Mill Creek near Moab, UT                                 | 14030005 | Upper Colorado River Basin | Upper Colorado-Dolores   | T         | 4                       | 213  | 213           | 160           | 161                      | -24 |   |
| 09209400             | Green River near La Barge, WY                            | 14040101 | Green River Basin          | Great Divide-Upper Green | MS        | 6                       | 205  | 225           | 205           | 223                      | 9   |   |
| 09211200             | Green River below Fontenelle Reservoir, WY               | 14040103 | Green River Basin          | Great Divide-Upper Green | MS        | 2                       | 280  | 280           | 261           | 261                      | -7  |   |
| 09216050             | Big Sandy River at Gasson Bridge, near Eden, WY          | 14040104 | Green River Basin          | Great Divide-Upper Green | T         | 2                       | 2,760  | 2,760         | 2,530         | 2,530                    | -8  |   |
| 09217000             | Green River near Green River, WY                         | 14040106 | Green River Basin          | Great Divide-Upper Green | MS        | 2                       | 414  | 414           | 361           | 361                      | -13 |   |
| 09224700             | Blacks Fork near Little America, WY                      | 14040107 | Green River Basin          | Great Divide-Upper Green | T         | 2                       | 1,130  | 1,130         | 1,070         | 1,070                    | -5  |   |
| 09234500             | Green River near Greendale, UT                           | 14040106 | Green River Basin          | Great Divide-Upper Green | MS        | 2                       | 506  | 506           | 479           | 479                      | -5  |   |
| 09235600             | Pot Creek above Diversions, near Vernal, UT              | 14040106 | Green River Basin          | Great Divide-Upper Green | T         | 3                       | 198  | 208           | 160           | 160                      | -19 |   |
| 09239500             | Yampa River at Steamboat Springs, CO                     | 14050001 | Green River Basin          | White-Yampa              | MS        | 1                       | 161  | 161           | 161           | 161                      | 0   |   |
| 09251000             | Yampa River near Maybell, CO                             | 14050002 | Green River Basin          | White-Yampa              | MS        | 5                       | 396  | 443           | 396           | 443                      | 12  |   |
| 09253000             | Little Snake River near Slater, CO                       | 14050003 | Green River Basin          | White-Yampa              | T         | 2                       | 122  | 122           | 102           | 102                      | -16 |   |
| 09260000             | Little Snake River near Lily, CO                         | 14050003 | Green River Basin          | White-Yampa              | T         | 2                       | 542  | 542           | 521           | 521                      | -4  |   |
| 09261000             | Green River near Jensen, UT                              | 14060001 | Green River Basin          | Lower Green              | MS        | 8                       | 508  | 514           | 505           | 505                      | -1  |   |
| 09266500             | Ashley Creek near Vernal, UT                             | 14060002 | Green River Basin          | Lower Green              | T         | 1                       | 127  | 127           | 127           | 127                      | 0   |   |
| 09270500             | Dry Fork at mouth, near Dry Fork, UT                     | 14060002 | Green River Basin          | Lower Green              | T         | 1                       | 678  | 678           | 678           | 678                      | 0   |   |
| 09275500             | West Fork Duchesne River near Hanna, UT                  | 14060003 | Green River Basin          | Lower Green              | T         | 1                       | 337  | 337           | 337           | 337                      | 0   |   |
| 09278000             | South Fork Rock Creek near Hanna, UT                     | 14060003 | Green River Basin          | Lower Green              | T         | 6                       | 116  | 147           | 116           | 144                      | 25  |   |
| 09279000             | Rock Creek near Mountain Home, UT                        | 14060003 | Green River Basin          | Lower Green              | T         | 5                       | 87   | 95            | 87            | 95                       | 9   |   |
| 09279100             | Rock Creek near Talmage, UT                              | 14060003 | Green River Basin          | Lower Green              | T         | 6                       | 169  | 189           | 169           | 186                      | 10  |   |
| 09279150             | Duchesne River above Knight Diversion, near Duchesne, UT | 14060003 | Green River Basin          | Lower Green              | T         | 1                       | 299  | 299           | 299           | 299                      | 0   |   |

See footnotes at end of table.

**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin | Hydrologic subregion | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |                          |   |
|----------------------|---|----------|-------------------|----------------------|-----------|-------------------------|--|---------------|---------------|--------------------------|---|
|                      |   |          |                   |                      |           |                         | Base year <sup>1</sup> (1974–76), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 09285000             | Strawberry River near Soldier Springs, UT                 | 14060004 | Green River Basin | Lower Green          | T         | 2                       | 309  | 309           | 207           | 207                      | -33   |
| 09288000             | Currant Creek near Fruitland, UT                          | 14060004 | Green River Basin | Lower Green          | T         | 6                       | 222  | 280           | 222           | 253                      | 14  |
| 09288180             | Strawberry River near Duchesne, UT                        | 14060004 | Green River Basin | Lower Green          | T         | 6                       | 401  | 463           | 401           | 441                      | 10  |
| 09292500             | Yellowstone River near Altonah, UT                        | 14060003 | Green River Basin | Lower Green          | T         | 6                       | 49   | 56            | 49            | 54                       | 9   |
| 09295000             | Duchesne River at Myton, UT                               | 14060003 | Green River Basin | Lower Green          | T         | 6                       | 694  | 745           | 694           | 713                      | 3   |
| 09299500             | Whiterocks River near Whiterocks, UT                      | 14060003 | Green River Basin | Lower Green          | T         | 2                       | 59   | 59            | 37            | 37                       | -38   |
| 09302000             | Duchesne River near Randlett, UT                          | 14060003 | Green River Basin | Lower Green          | T         | 2                       | 984  | 984           | 902           | 902                      | -8  |
| 09304200             | White River above Coal Creek, near Meeker, CO             | 14050005 | Green River Basin | White-Yampa          | MS        | 8                       | 272  | 272           | 270           | 271                      | 0   |
| 09304800             | White River below Meeker, CO                              | 14050005 | Green River Basin | White-Yampa          | MS        | 2                       | 351  | 351           | 327           | 327                      | -7  |
| 09306007             | Piceance Creek below Rio Blanco, CO                       | 14050006 | Green River Basin | White-Yampa          | T         | 5                       | 617  | 736           | 617           | 736                      | 19  |
| 09306200             | Piceance Creek below Ryan Gulch, near Rio Blanco, CO      | 14050006 | Green River Basin | White-Yampa          | T         | 1                       | 995  | 995           | 995           | 995                      | 0   |
| 09306222             | Piceance Creek at White River, CO                         | 14050006 | Green River Basin | White-Yampa          | T         | 2                       | 1,290  | 1,290         | 1,230         | 1,230                    | -5  |
| 09306235             | Corral Gulch below Water Gulch, near Rangely, CO          | 14050006 | Green River Basin | White-Yampa          | T         | 5                       | 605  | 927           | 605           | 927                      | 53  |
| 09306242             | Corral Gulch near Rangely, CO                             | 14050006 | Green River Basin | White-Yampa          | T         | 5                       | 804  | 982           | 804           | 982                      | 22  |
| 09306800             | Bitter Creek near Bonanza, UT                             | 14050007 | Green River Basin | White-Yampa          | T         | 2                       | 4,910  | 4,910         | 3,780         | 3,780                    | -23   |
| 09308500             | Minnie Maud Creek near Myton, UT                          | 14060005 | Green River Basin | Lower Green          | T         | 1                       | 577  | 577           | 577           | 577                      | 0   |
| 09310000             | Gooseberry Creek near Scofield, UT                        | 14060007 | Green River Basin | Lower Green          | T         | 1                       | 205  | 205           | 205           | 205                      | 0   |
| 09310500             | Fish Creek above reservoir, near Scofield, UT             | 14060007 | Green River Basin | Lower Green          | T         | 6                       | 194  | 213           | 194           | 200                      | 3   |
| 09312600             | White River below Tabbyune Creek, near Soldier Summit, UT | 14060007 | Green River Basin | Lower Green          | MS        | 8                       | 455  | 480           | 452           | 452                      | -1  |
| 09312700             | Beaver Creek near Soldier Summit, UT                      | 14060007 | Green River Basin | Lower Green          | T         | 6                       | 350  | 410           | 350           | 381                      | 9   |
| 09312800             | Willow Creek near Castle Gate, UT                         | 14060007 | Green River Basin | Lower Green          | T         | 6                       | 635  | 835           | 635           | 831                      | 31  |
| 09315000             | Green River at Green River, UT                            | 14060008 | Green River Basin | Lower Green          | MS        | 3                       | 693  | 710           | 686           | 686                      | -1  |

See footnotes at end of table.

**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin           | Hydrologic subregion       | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |                          |   |
|----------------------|---|----------|-----------------------------|----------------------------|-----------|-------------------------|--|---------------|---------------|--------------------------|---|
|                      |   |          |                             |                            |           |                         | Base year <sup>1</sup> (1974–76), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 09326500             | Ferron Creek (upper station) near Ferron, UT                    | 14060009 | Green River Basin           | Lower Green                | T         | 1                       | 456  | 456           | 456           | 456                      | 0   |
| 09328500             | San Rafael River near Green River, UT                           | 14060009 | Green River Basin           | Lower Green                | T         | 2                       | 3,380  | 3,380         | 3,160         | 3,160                    | -7  |
| 09329050             | Seven Mile Creek near Fish Lake, UT                             | 14070003 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | T         | 2                       | 96   | 96            | 90            | 90                       | -6  |
| 09330230             | Fremont River near Caineville, UT                               | 14070003 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | T         | 6                       | 423  | 451           | 423           | 441                      | 4   |
| 09333500             | Dirty Devil River above Poison Spring Wash, near Hanksville, UT | 14070004 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | T         | 3                       | 1,360  | 1,440         | 1,310         | 1,310                    | -4  |
| 09337000             | Pine Creek near Escalante, UT                                   | 14070005 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | T         | 6                       | 197  | 236           | 197           | 233                      | 19  |
| 09337500             | Escalante River near Escalante, UT                              | 14070005 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | T         | 4                       | 1,020  | 1,020         | 883           | 963                      | -6  |
| 09352900             | Vallecito Creek near Bayfield, CO                               | 14080101 | San Juan River Basin        | San Juan                   | T         | 1                       | 52   | 52            | 52            | 52                       | -1  |
| 09355500             | San Juan River near Archuleta, NM                               | 14080101 | San Juan River Basin        | San Juan                   | MS        | 1                       | 161  | 161           | 161           | 161                      | 0   |
| 09364500             | Animas River at Farmington, NM                                  | 14080104 | San Juan River Basin        | San Juan                   | T         | 2                       | 420  | 420           | 400           | 400                      | -5  |
| 09368000             | San Juan River at Shiprock, NM                                  | 14080105 | San Juan River Basin        | San Juan                   | MS        | 2                       | 433  | 433           | 389           | 389                      | -10   |
| 09378630             | Recapture Creek near Blanding, UT                               | 14080201 | San Juan River Basin        | San Juan                   | T         | 5                       | 192  | 231           | 192           | 231                      | 21  |
| 09379500             | San Juan River near Bluff, UT                                   | 14080205 | San Juan River Basin        | San Juan                   | MS        | 3                       | 641  | 644           | 608           | 608                      | -5  |
| 09380000             | Colorado River at Lees Ferry, AZ                                | 14070006 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | MS        | 2                       | 518  | 518           | 475           | 475                      | -8  |
| 09404450             | East Fork Virgin River near Glendale, UT                        | 15010008 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | T         | 4                       | 320  | 320           | 311           | 316                      | -1  |
| 09409880             | Santa Clara River at Gunlock, UT                                | 15010008 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | MS        | 6                       | 266  | 321           | 266           | 317                      | 19  |
| 09415000             | Virgin River at Littlefield, AZ                                 | 15010010 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | T         | 6                       | 2,000  | 2,130         | 2,000         | 2,120                    | 6   |
| 09421500             | Colorado River below Hoover Dam, AZ-NV                          | 15010005 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | MS        | 2                       | 750  | 750           | 629           | 629                      | -16   |
| 09427520             | Colorado River below Parker Dam, AZ-CA                          | 15030104 | Lower Colorado River Basin  | Lower Colorado             | MS        | 2                       | 719  | 719           | 655           | 655                      | -9  |
| 09430600             | Mogollon Creek near Cliff, NM                                   | 15040001 | Gila River Basin            | Upper Gila                 | T         | 1                       | 75   | 75            | 75            | 75                       | 0   |
| 09431500             | Gila River near Redrock, NM                                     | 15040002 | Gila River Basin            | Upper Gila                 | MS        | 2                       | 243  | 243           | 227           | 227                      | -7  |
| 09444000             | San Francisco River near Glenwood, NM                           | 15040004 | Gila River Basin            | Upper Gila                 | T         | 2                       | 242  | 242           | 217           | 217                      | -10   |
| 09444600             | San Francisco River near Clifton, AZ                            | 15040004 | Gila River Basin            | Upper Gila                 | T         | 1                       | 599  | 599           | 599           | 599                      | 0   |

See footnotes at end of table.

**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin                       | Hydrologic subregion | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |                          |   |
|----------------------|---|----------|---|----------------------|-----------|-------------------------|--|---------------|---------------|--------------------------|---|
|                      |   |          |   |                      |           |                         | Base year <sup>1</sup> (1974–76), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 09448500             | Gila River at head of Safford Valley, near Solomon, AZ                    | 15040005 | Gila River Basin                        | Upper Gila           | MS        | 6                       | 514  | 522           | 514           | 521                      | 1   |
| 09466500             | Gila River at Calva, AZ   | 15040005 | Gila River Basin                        | Upper Gila           | MS        | 3                       | 1,680  | 1,700         | 1,500         | 1,500                    | -11   |
| 09474000             | Gila River at Kelvin, AZ  | 15050100 | Gila River Basin                        | Middle Gila          | MS        | 6                       | 638  | 676           | 638           | 651                      | 2   |
| 09498500             | Salt River near Roosevelt, AZ   | 15060103 | Gila River Basin                        | Salt                 | MS        | 4                       | 1,400  | 1,400         | 1,350         | 1,350                    | -4  |
| 09499000             | Tonto Creek above Gun Creek, near Roosevelt, AZ                           | 15060105 | Gila River Basin                        | Salt                 | T         | 4                       | 258  | 258           | 234           | 238                      | -8  |
| 09502000             | Salt River below Stewart Mountain Dam, AZ                                 | 15060106 | Gila River Basin                        | Salt                 | MS        | 8                       | 454  | 454           | 393           | 453                      | 0   |
| 09504000             | Verde River near Clarkdale, AZ  | 15060202 | Gila River Basin                        | Salt                 | MS        | 1                       | 287  | 287           | 287           | 287                      | 0   |
| 09508300             | Wet Bottom Creek near Childs, AZ  | 15060203 | Gila River Basin                        | Salt                 | T         | 6                       | 176  | 183           | 176           | 181                      | 3   |
| 09510000             | Verde River below Bartlett Dam, AZ  | 15060203 | Gila River Basin                        | Salt                 | MS        | 4                       | 396  | 396           | 353           | 355                      | -10   |
| 09518000             | Gila River above diversions, at Gillespie Dam, AZ                         | 15070101 | Gila River Basin                        | Lower Gila           | MS        | 5                       | 2,180  | 2,420         | 2,180         | 2,420                    | 11  |
| 09522000             | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 15030108 | Lower Colorado River Basin              | Lower Colorado       | MS        | 2                       | 963  | 963           | 864           | 864                      | -10   |
| 09527500             | All-American Canal below Pilot Knob Wasteway, CA                          | 15030107 | Lower Colorado River Basin              | Lower Colorado       | T         | 2                       | 949  | 949           | 816           | 816                      | -14   |
| 10011500             | Bear River near Utah-Wyoming state line                                   | 16010101 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 6                       | 164  | 179           | 164           | 167                      | 2   |
| 10015700             | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY  | 16010101 | Great Salt Lake and Sevier River Basins | Bear                 | T         | 1                       | 429  | 429           | 429           | 429                      | 0   |
| 10015900             | Sulphur Creek below reservoir, near Evanston, WY                          | 16010101 | Great Salt Lake and Sevier River Basins | Bear                 | T         | 8                       | 390  | 414           | 390           | 394                      | 1   |
| 10020100             | Bear River above reservoir, near Woodruff, UT                             | 16010101 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 5                       | 310  | 339           | 310           | 339                      | 9   |
| 10020300             | Bear River below reservoir, near Woodruff, UT                             | 16010101 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 1                       | 406  | 406           | 406           | 406                      | 0   |

See footnotes at end of table.

**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin                       | Hydrologic subregion | Site type | Annual adjusted dissolved-solids concentration |  |               |               |                          |   |
|----------------------|---|----------|---|----------------------|-----------|--|--|---------------|---------------|--------------------------|---|
|                      |   |          |   |                      |           | Trend type <sup>2</sup>                        | Base year <sup>1</sup> (1974–76), mg/L | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 10026500             | Bear River near Randolph, UT  | 16010101 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 1  | 285                                    | 285           | 285           | 285                      | 0   |
| 10032000             | Smiths Fork near Border, WY   | 16010102 | Great Salt Lake and Sevier River Basins | Bear                 | T         | 1  | 209                                    | 209           | 209           | 209                      | 0   |
| 10038000             | Bear River below Smiths Fork, near Cokeville, WY                        | 16010102 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 5  | 311                                    | 319           | 311           | 319                      | 3   |
| 10039500             | Bear River at Border, WY  | 16010102 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 5  | 325                                    | 352           | 325           | 352                      | 8   |
| 10041000             | Thomas Fork near Wyoming-Idaho state line                               | 16010102 | Great Salt Lake and Sevier River Basins | Bear                 | T         | 4  | 845                                    | 845           | 706           | 760                      | -10   |
| 10068500             | Bear River at Pescadero, ID   | 16010201 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 1  | 346                                    | 346           | 346           | 346                      | 0   |
| 10092700             | Bear River at Idaho-Utah state line                                     | 16010202 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 4  | 896                                    | 896           | 674           | 724                      | -19   |
| 10104700             | Little Bear River below Davenport Creek, near Avon, UT                  | 16010203 | Great Salt Lake and Sevier River Basins | Bear                 | T         | 2  | 216                                    | 216           | 200           | 200                      | -7  |
| 10109000             | Logan River above State Dam, near Logan, UT                             | 16010203 | Great Salt Lake and Sevier River Basins | Bear                 | T         | 4  | 224                                    | 224           | 204           | 211                      | -6  |
| 10113500             | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT | 16010203 | Great Salt Lake and Sevier River Basins | Bear                 | T         | 1  | 213                                    | 213           | 213           | 213                      | 0   |
| 10126000             | Bear River near Corinne, UT   | 16010204 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 2  | 788                                    | 788           | 710           | 710                      | -10   |
| 10128500             | Weber River near Oakley, UT   | 16020101 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 2  | 152                                    | 152           | 140           | 140                      | -8  |
| 10130500             | Weber River near Coalville, UT  | 16020101 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 5  | 202                                    | 216           | 202           | 216                      | 7   |
| 10131000             | Chalk Creek at Coalville, UT  | 16020101 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 6  | 302                                    | 363           | 302           | 360                      | 19  |

See footnotes at end of table.



**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name  | HUC      | Major river basin                       | Hydrologic subregion | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |                          |   |
|----------------------|--|----------|---|----------------------|-----------|-------------------------|--|---------------|---------------|--------------------------|---|
|                      |  |          |   |                      |           |                         | Base year <sup>1</sup> (1974–76), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 10134500             | East Canyon Creek near Morgan, UT                            | 16020102 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 5                       | 284  | 342           | 284           | 342                      | 20  |
| 10136500             | Weber River at Gateway, UT                                   | 16020102 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 1                       | 277  | 277           | 277           | 277                      | 0   |
| 10137500             | South Fork Ogden River near Huntsville, UT                   | 16020102 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 1                       | 201  | 201           | 201           | 201                      | 0   |
| 10139300             | Wheeler Creek near Huntsville, UT                            | 16020102 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 2                       | 252  | 252           | 241           | 241                      | -4  |
| 10141000             | Weber River near Plain City, UT                              | 16020102 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 2                       | 374  | 374           | 361           | 361                      | -3  |
| 10148200             | Tie Fork near Soldier Summit, UT                             | 16020202 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 6                       | 335  | 357           | 335           | 352                      | 5   |
| 10150500             | Spanish Fork at Castilla, UT                                 | 16020202 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 6                       | 414  | 546           | 414           | 525                      | 27  |
| 10154200             | Provo River near Woodland, UT                                | 16020203 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 2                       | 139  | 139           | 125           | 125                      | -10   |
| 10155000             | Provo River near Hailstone, UT                               | 16020203 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 3                       | 149  | 159           | 140           | 140                      | -6  |
| 10159500             | Provo River below Deer Creek Dam, UT                         | 16020203 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 7                       | 264  | 281           | 261           | 281                      | 6   |
| 10163000             | Provo River at Provo, UT                                     | 16020203 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 7                       | 298  | 307           | 293           | 307                      | 3   |
| 10164500             | American Fork above upper powerplant, near American Fork, UT | 16020201 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 5                       | 245  | 269           | 245           | 269                      | 10  |
| 10171000             | Jordan River at 1700 South at Salt Lake City, UT             | 16020204 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 2                       | 1,210  | 1,210         | 1,140         | 1,140                    | -6  |
| 10172200             | Red Butte Creek at Fort Douglas, near Salt Lake City, UT     | 16020204 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 6                       | 429  | 439           | 429           | 438                      | 2   |
| 10172700             | Vernon Creek near Vernon, UT                                 | 16020304 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | T         | 1                       | 250  | 250           | 250           | 250                      | 0   |

See footnotes at end of table.

**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name  | HUC      | Major river basin                                   | Hydrologic subregion         | Site type | Annual adjusted dissolved-solids concentration |  |               |               |                          |   |
|----------------------|--|----------|---|------------------------------|-----------|--|--|---------------|---------------|--------------------------|---|
|                      |  |          |   |                              |           | Trend type <sup>2</sup>                        | Base year <sup>1</sup> (1974–76), mg/L | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 10172800             | South Willow Creek near Grantsville, UT              | 16020304 | Great Salt Lake and Sevier River Basins             | Great Salt Lake              | T         | 8  | 175                                    | 197           | 175           | 176                      | 1   |
| 10172870             | Trout Creek near Callao, UT                          | 16020306 | Great Salt Lake and Sevier River Basins             | Great Salt Lake              | T         | 6  | 35                                     | 54            | 35            | 49                       | 41  |
| 10173450             | Mammoth Creek above West Hatch Ditch, near Hatch, UT | 16030001 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | T         | 6  | 124                                    | 133           | 124           | 130                      | 5   |
| 10174500             | Sevier River at Hatch, UT                            | 16030001 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | T         | 6  | 188                                    | 206           | 188           | 202                      | 7   |
| 10180000             | Sevier River near Circleville, UT                    | 16030001 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | MS        | 5  | 271                                    | 282           | 271           | 282                      | 4   |
| 10183500             | Sevier River near Kingston, UT                       | 16030001 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | MS        | 1  | 333                                    | 333           | 333           | 333                      | 0   |
| 10191500             | Sevier River below Piute Dam, near Marysvale, UT     | 16030003 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | MS        | 4  | 365                                    | 365           | 339           | 356                      | -2  |
| 10219000             | Sevier River near Juab, UT                           | 16030005 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | MS        | 4  | 1,340                                  | 1,340         | 1,240         | 1,250                    | -7  |
| 10219200             | Chicken Creek near Levan, UT                         | 16030005 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | T         | 5  | 545                                    | 668           | 545           | 668                      | 23  |
| 10224000             | Sevier River near Lynndyl, UT                        | 16030005 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | MS        | 1  | 1,230                                  | 1,230         | 1,230         | 1,230                    | 0   |
| 10237000             | Beaver River at Adamsville, UT                       | 16030007 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | T         | 4  | 300                                    | 300           | 264           | 283                      | -6  |
| 10242000             | Coal Creek near Cedar City, UT                       | 16030006 | Great Salt Lake and Sevier River Basins             | Escalante Desert-Sevier Lake | T         | 6  | 366                                    | 394           | 366           | 371                      | 1   |
| 10244950             | Steptoe Creek near Ely, NV                           | 16060008 | Central Nevada and Eastern California Desert Basins | Central Nevada Desert Basins | T         | 5  | 173                                    | 187           | 173           | 187                      | 8   |
| 10249300             | South Twin River near Round Mountain, NV             | 16060004 | Central Nevada and Eastern California Desert Basins | Central Nevada Desert Basins | T         | 1  | 87                                     | 88            | 86            | 86                       | -1  |
| 10256500             | Snow Creek near White Water, CA                      | 18100200 | Central Nevada and Eastern California Desert Basins | Southern Mojave-Salton Sea   | T         | 2  | 97                                     | 97            | 92            | 92                       | -5  |

See footnotes at end of table.

**Appendix 7.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–88—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin                  | Hydrologic subregion        | Site type | Annual adjusted dissolved-solids concentration |  |               |               |                          |   |
|----------------------|---|----------|------------------------------------|-----------------------------|-----------|--|--|---------------|---------------|--------------------------|---|
|                      |   |          |                                    |                             |           | Trend type <sup>2</sup>                        | Base year <sup>1</sup> (1974–76), mg/L | Maximum, mg/L | Minimum, mg/L | Ending year (1988), mg/L | Period change, base year to ending year, as percentage of base year |
| 10312000             | Carson River near Fort Churchill, NV                        | 16050202 | Central Lahontan Basins            | Central Lahontan            | MS        | 6  | 275                                    | 290           | 275           | 288                      | 5   |
| 10351700             | Truckee River near Nixon, NV                                | 16050103 | Central Lahontan Basins            | Central Lahontan            | MS        | 5  | 298                                    | 328           | 298           | 328                      | 10  |
| 11066460             | Santa Ana River at Metropolitan Water District Crossing, CA | 18070203 | Southern California Coastal Basins | Southern California Coastal | MS        | 5  | 489                                    | 572           | 489           | 572                      | 17  |
| 11074000             | Santa Ana River below Prado Dam, CA                         | 18070203 | Southern California Coastal Basins | Southern California Coastal | MS        | 6  | 547                                    | 586           | 547           | 580                      | 6   |
| 11108500             | Santa Clara River at Los Angeles-Ventura County Line, CA    | 18070102 | Southern California Coastal Basins | Southern California Coastal | MS        | 3  | 1,010                                  | 1,020         | 827           | 827                      | -18   |

<sup>1</sup>Base-year concentration is the value for the first year in the period 1974-76 in which there are data.

<sup>2</sup>Categories of trend types including (1) no trend, (2) monotonic decrease, (3) general decrease, initial increase followed by a decrease, (4) general decrease, initial decrease followed by an increase, (5) monotonic increase, (6) general increase, initial increase followed by a decrease, (7) general increase, initial decrease followed by an increase, (8) no trend, base year and ending year are within one percent but some variation in values occurred in intervening years.

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**Appendix 8. Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003.**

[mg/L, milligrams per liter; HUC, hydrologic unit code; MS, main-stem site; T, tributary site; -, no data shown. AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1]

| USGS site identifier | Site name   | HUC      | Major river basin          | Hydrologic subregion      | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|---|----------|----------------------------|---------------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |   |          |                            |                           |           |                         | Base year <sup>1</sup> (1989-91), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (2001–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 08251500             | Rio Grande near Lobatos, CO.                          | 13010002 | Upper Rio Grande Basin     | Rio Grande Headwaters     | MS        | 2                       | 185  | 185           | 144           | 144  | -22   |
| 08267500             | Rio Hondo near Valdez, NM                             | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 5                       | 90   | 97            | 90            | 97   | 8   |
| 08276500             | Rio Grande below Taos Junction Bridge near Taos, NM   | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 3                       | 192  | 193           | 177           | 177  | -8  |
| 08284100             | Rio Chama near La Puente, NM                          | 13020102 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 1                       | 127  | 127           | 127           | 127  | 0   |
| 08290000             | Rio Chama near Chamita, NM                            | 13020102 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 7                       | 235  | 260           | 234           | 260  | 11  |
| 08313000             | Rio Grande at Otowi Bridge, NM                        | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 8                       | 203  | 204           | 200           | 204  | 0   |
| 08319000             | Rio Grande at San Felipe, NM                          | 13020201 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 1                       | 231  | 231           | 231           | 231  | 0   |
| 08324000             | Jemez River near Jemez, NM                            | 13020202 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 1                       | 322  | 322           | 322           | 322  | 0   |
| 08330000             | Rio Grande at Albuquerque, NM                         | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 7                       | 287  | 299           | 285           | 299  | 4   |
| 08332010             | Rio Grande floodway near Bernardo, NM                 | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 7                       | 339  | 387           | 334           | 387  | 14  |
| 08353000             | Rio Puerco near Bernardo, NM                          | 13020204 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 1                       | 2,080  | 2,080         | 2,080         | 2,080                                      | 0   |
| 08354900             | Rio Grande floodway at San Acacia, NM                 | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 2                       | 421  | 421           | 348           | 348  | -17   |
| 08358400             | Rio Grande floodway at San Marcial, NM                | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 7                       | 434  | 566           | 431           | 566  | 30  |
| 08364000             | Rio Grande at El Paso, TX                             | 13030102 | Upper Rio Grande Basin     | Rio Grande-Mimbres        | MS        | 1                       | 777  | 777           | 777           | 777  | 0   |
| 09010500             | Colorado River below Baker Gulch, near Grand Lake, CO | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 7                       | 44   | 45            | 43            | 45   | 2   |
| 09022000             | Fraser River at upper station, near Winter Park, CO   | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | T         | 5                       | 33   | 44            | 33            | 44   | 34  |
| 09024000             | Fraser River at Winter Park, CO                       | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | T         | 5                       | 60   | 75            | 60            | 75   | 25  |
| 09025000             | Vasquez Creek at Winter Park, CO                      | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | T         | 7                       | 31   | 34            | 31            | 34   | 9   |
| 09026500             | St. Louis Creek near Fraser, CO                       | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | T         | 8                       | 48   | 48            | 46            | 48   | -1  |
| 09032000             | Ranch Creek near Fraser, CO                           | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | T         | 2                       | 33   | 33            | 32            | 32   | -5  |
| 09032100             | Cabin Creek near Fraser, CO                           | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | T         | 2                       | 31   | 31            | 28            | 28   | -8  |
| 09034250             | Colorado River at Windy Gap, near Granby, CO          | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 2                       | 71   | 71            | 67            | 67   | -5  |

See footnotes at end of table.

**Appendix 8.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003—Continued.

| USGS site identifier | Site name  | HUC      | Major river basin          | Hydrologic subregion | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|--|----------|----------------------------|----------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |  |          |                            |                      |           |                         | Base year <sup>1</sup> (1989-91), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (2001–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 09034900             | Bobtail Creek near Jones Pass, CO                      | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 7                       | 34   | 36            | 34            | 36   | 7   |
| 09035500             | Williams Fork below Steelman Creek, CO                 | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 40   | 40            | 40            | 40   | 0   |
| 09035700             | Williams Fork above Darling Creek, near Leal, CO       | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 37   | 40            | 37            | 40   | 9   |
| 09035800             | Darling Creek near Leal, CO                            | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 43   | 47            | 43            | 47   | 8   |
| 09035900             | South Fork of Williams Fork near Leal, CO              | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 50   | 53            | 50            | 53   | 8   |
| 09036000             | Williams Fork near Leal, CO                            | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 43   | 46            | 43            | 46   | 7   |
| 09037500             | Williams Fork near Parshall, CO                        | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 7                       | 75   | 81            | 74            | 81   | 8   |
| 09038500             | Williams Fork below Williams Fork Reservoir, CO        | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 85   | 85            | 85            | 85   | 0   |
| 09046490             | Blue River at Blue River, CO                           | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 69   | 103           | 69            | 103  | 48  |
| 09046600             | Blue River near Dillon, CO                             | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 65   | 93            | 65            | 93   | 43  |
| 09047500             | Snake River near Montezuma, CO                         | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 40   | 56            | 40            | 56   | 43  |
| 09047700             | Keystone Gulch near Dillon, CO                         | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 35   | 48            | 35            | 48   | 36  |
| 09050100             | Tenmile Creek below North Tenmile Creek, at Frisco, CO | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 6                       | 281  | 397           | 281           | 357  | 27  |
| 09050700             | Blue River below Dillon, CO                            | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 6                       | 114  | 127           | 114           | 126  | 11  |
| 09051050             | Straight Creek below Laskey Gulch near Dillon, CO      | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 74   | 111           | 74            | 111  | 51  |
| 09057500             | Blue River below Green Mountain Reservoir, CO          | 14010002 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 100  | 128           | 100           | 128  | 29  |
| 09058000             | Colorado River near Kremmling, CO                      | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | MS        | 2                       | 98   | 98            | 89            | 89   | -9  |
| 09058500             | Piney River below Piney Lake, near Minturn, CO         | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 4                       | 34   | 34            | 32            | 33   | -3  |
| 09058610             | Dickson Creek near Vail, CO                            | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 6                       | 232  | 246           | 232           | 240  | 4   |
| 09058700             | Freeman Creek near Minturn, CO                         | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 90   | 96            | 90            | 96   | 7   |
| 09058800             | East Meadow Creek near Minturn, CO                     | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 4                       | 49   | 49            | 43            | 44   | -10   |
| 09059500             | Piney River near state bridge, CO                      | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 224  | 224           | 224           | 224  | 0   |

See footnotes at end of table.

**Appendix 8.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin          | Hydrologic subregion | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |     | Period change, base year to ending year, as percentage of base year |
|----------------------|---|----------|----------------------------|----------------------|-----------|-------------------------|--|---------------|---------------|--|-----|---|
|                      |   |          |                            |                      |           |                         | Base year <sup>1</sup> (1989-91), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (2001–2003), mg/L |     |   |
| 09063000             | Eagle River at Red Cliff, CO                            | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 113  | 113           | 113           | 113  | 0   |   |
| 09063200             | Wearymen Creek near Red Cliff, CO                       | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 144  | 155           | 144           | 155  | 7   |   |
| 09063400             | Turkey Creek near Red Cliff, CO                         | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 167  | 174           | 167           | 174  | 4   |   |
| 09063900             | Missouri Creek near Gold Park, CO                       | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 7                       | 27   | 28            | 26            | 28   | 1   |   |
| 09064000             | Homestake Creek at Gold Park, CO                        | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 4                       | 23   | 23            | 21            | 22   | -3  |   |
| 09064500             | Homestake Creek near Red Cliff, CO                      | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 8                       | 30   | 31            | 29            | 31   | 1   |   |
| 09065100             | Cross Creek near Minturn, CO                            | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 30   | 30            | 30            | 30   | 0   |   |
| 09065500             | Gore Creek at upper station, near Minturn, CO           | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 36   | 40            | 36            | 40   | 12  |   |
| 09066000             | Black Gore Creek near Minturn, CO                       | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 73   | 149           | 73            | 149  | 105 |   |
| 09066100             | Bighorn Creek near Minturn, CO                          | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 5                       | 37   | 40            | 37            | 40   | 7   |   |
| 09066150             | Pitkin Creek near Minturn, CO                           | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 7                       | 47   | 51            | 47            | 51   | 7   |   |
| 09066200             | Booth Creek near Minturn, CO                            | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 7                       | 59   | 62            | 58            | 62   | 4   |   |
| 09066300             | Middle Creek near Minturn, CO                           | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 6                       | 98   | 113           | 98            | 104  | 6   |   |
| 09066400             | Red Sandstone Creek near Minturn, CO                    | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 52   | 52            | 52            | 52   | 0   |   |
| 09067000             | Beaver Creek at Avon, CO                                | 14010003 | Upper Colorado River Basin | Colorado Headwaters  | T         | 3                       | 164  | 167           | 155           | 155  | -6  |   |
| 09070500             | Colorado River near Dotsero, CO                         | 14010001 | Upper Colorado River Basin | Colorado Headwaters  | MS        | 2                       | 263  | 263           | 253           | 253  | -4  |   |
| 09073300             | Roaring Fork River above Difficult Creek near Aspen, CO | 14010004 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 46   | 46            | 46            | 46   | 0   |   |
| 09073400             | Roaring Fork River near Aspen, CO                       | 14010004 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 53   | 53            | 53            | 53   | 0   |   |
| 09074000             | Hunter Creek near Aspen, CO                             | 14010004 | Upper Colorado River Basin | Colorado Headwaters  | T         | 4                       | 45   | 45            | 41            | 43   | -5  |   |
| 09080400             | Fryingpan River near Ruedi, CO                          | 14010004 | Upper Colorado River Basin | Colorado Headwaters  | T         | 7                       | 156  | 170           | 154           | 170  | 9   |   |
| 09081600             | Crystal River above Avalanche Creek, near Redstone, CO  | 14010004 | Upper Colorado River Basin | Colorado Headwaters  | T         | 1                       | 348  | 348           | 348           | 348  | 0   |   |
| 09085000             | Roaring Fork River at Glenwood Springs, CO              | 14010004 | Upper Colorado River Basin | Colorado Headwaters  | T         | 2                       | 350  | 350           | 333           | 333  | -5  |   |
| 09095500             | Colorado River near Cameo, CO                           | 14010005 | Upper Colorado River Basin | Colorado Headwaters  | MS        | 2                       | 622  | 622           | 567           | 567  | -9  |   |
| 09105000             | Plateau Creek near Cameo, CO                            | 14010005 | Upper Colorado River Basin | Colorado Headwaters  | T         | 2                       | 539  | 539           | 492           | 492  | -9  |   |
| 09107000             | Taylor River at Taylor Park, CO                         | 14020001 | Upper Colorado River Basin | Gunnison             | T         | 7                       | 66   | 68            | 64            | 68   | 3   |   |

See footnotes at end of table.

**Appendix 8.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin          | Hydrologic subregion     | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|---|----------|----------------------------|--------------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |   |          |                            |                          |           |                         | Base year <sup>1</sup> (1989-91), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (2001–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 09109000             | Taylor River below Taylor Park Reservoir, CO      | 14020001 | Upper Colorado River Basin | Gunnison                 | T         | 5                       | 56   | 61            | 56            | 61   | 10  |
| 09110000             | Taylor River at Almont, CO                        | 14020001 | Upper Colorado River Basin | Gunnison                 | T         | 1                       | 78   | 78            | 78            | 78   | 0   |
| 09112500             | East River at Almont, CO                          | 14020001 | Upper Colorado River Basin | Gunnison                 | T         | 3                       | 141  | 142           | 136           | 136  | -3  |
| 09114500             | Gunnison River near Gunnison, CO                  | 14020002 | Upper Colorado River Basin | Gunnison                 | MS        | 5                       | 96   | 101           | 96            | 101  | 5   |
| 09118450             | Cochetopa Creek below Rock Creek, near Parlin, CO | 14020003 | Upper Colorado River Basin | Gunnison                 | T         | 2                       | 104  | 104           | 88            | 88   | -15   |
| 09119000             | Tomichi Creek at Gunnison, CO                     | 14020003 | Upper Colorado River Basin | Gunnison                 | T         | 1                       | 131  | 131           | 131           | 131  | 0   |
| 09124500             | Lake Fork at Gateview, CO                         | 14020002 | Upper Colorado River Basin | Gunnison                 | T         | 7                       | 103  | 111           | 101           | 111  | 8   |
| 09126000             | Cimarron River near Cimarron, CO                  | 14020002 | Upper Colorado River Basin | Gunnison                 | T         | 5                       | 98   | 104           | 98            | 104  | 6   |
| 09128000             | Gunnison River below Gunnison Tunnel, CO          | 14020002 | Upper Colorado River Basin | Gunnison                 | MS        | 2                       | 117  | 117           | 113           | 113  | -3  |
| 09132500             | North Fork Gunnison River near Somerset, CO       | 14020004 | Upper Colorado River Basin | Gunnison                 | MS        | 2                       | 139  | 139           | 128           | 128  | -8  |
| 09134000             | Minnesota Creek near Paonia, CO                   | 14020004 | Upper Colorado River Basin | Gunnison                 | T         | 4                       | 521  | 521           | 437           | 452  | -13   |
| 09144250             | Gunnison River at Delta, CO                       | 14020005 | Upper Colorado River Basin | Gunnison                 | MS        | 2                       | 459  | 459           | 357           | 357  | -22   |
| 09146200             | Uncompahgre River near Ridgway, CO                | 14020006 | Upper Colorado River Basin | Gunnison                 | T         | 2                       | 458  | 458           | 436           | 436  | -5  |
| 09147000             | Dallas Creek near Ridgway, CO                     | 14020006 | Upper Colorado River Basin | Gunnison                 | T         | 3                       | 475  | 476           | 437           | 437  | -8  |
| 09147025             | Uncompahgre River below Ridgway Reservoir, CO     | 14020006 | Upper Colorado River Basin | Gunnison                 | T         | 4                       | 577  | 577           | 416           | 512  | -11   |
| 09147500             | Uncompahgre River at Colona, CO                   | 14020006 | Upper Colorado River Basin | Gunnison                 | T         | 1                       | 461  | 461           | 461           | 461  | 0   |
| 09149500             | Uncompahgre River at Delta, CO                    | 14020006 | Upper Colorado River Basin | Gunnison                 | T         | 2                       | 1,380  | 1,380         | 1,280         | 1,280                                      | -7  |
| 09152500             | Gunnison River near Grand Junction, CO            | 14020005 | Upper Colorado River Basin | Gunnison                 | MS        | 2                       | 567  | 567           | 487           | 487  | -14   |
| 09163500             | Colorado River near Colorado-Utah State Line      | 14010005 | Upper Colorado River Basin | Colorado Headwaters      | MS        | 2                       | 665  | 665           | 567           | 567  | -15   |
| 09166950             | Lost Canyon Creek near Dolores, CO                | 14030002 | Upper Colorado River Basin | Upper Colorado-Dolores   | T         | 2                       | 200  | 200           | 164           | 164  | -18   |
| 09169500             | Dolores River at Bedrock, CO                      | 14030002 | Upper Colorado River Basin | Upper Colorado-Dolores   | MS        | 2                       | 619  | 619           | 572           | 572  | -8  |
| 09171100             | Dolores River near Bedrock, CO                    | 14030002 | Upper Colorado River Basin | Upper Colorado-Dolores   | MS        | 2                       | 2,660  | 2,660         | 1,900         | 1,900                                      | -29   |
| 09180000             | Dolores River near Cisco, UT                      | 14030004 | Upper Colorado River Basin | Upper Colorado-Dolores   | MS        | 2                       | 1,500  | 1,500         | 929           | 929  | -38   |
| 09180500             | Colorado River near Cisco, UT                     | 14030005 | Upper Colorado River Basin | Upper Colorado-Dolores   | MS        | 2                       | 769  | 769           | 625           | 625  | -19   |
| 09211200             | Green River below Fontenelle Reservoir, WY        | 14040103 | Green River Basin          | Great Divide-Upper Green | MS        | 2                       | 260  | 260           | 243           | 243  | -7  |

See footnotes at end of table.



**Appendix 8.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin | Hydrologic subregion     | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|---|----------|-------------------|--------------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |   |          |                   |                          |           |                         | Base year <sup>1</sup> (1989-91), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (2001–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 09217000             | Green River near Green River, WY                        | 14040106 | Green River Basin | Great Divide-Upper Green | MS        | 2                       | 357  | 357           | 312           | 312  | -13   |
| 09224700             | Blacks Fork near Little America, WY                     | 14040107 | Green River Basin | Great Divide-Upper Green | T         | 2                       | 1,070  | 1,070         | 1,010         | 1,010                                      | -6  |
| 09234500             | Green River near Greendale, UT                          | 14040106 | Green River Basin | Great Divide-Upper Green | MS        | 2                       | 476  | 476           | 423           | 423  | -11   |
| 09237450             | Yampa River above Stagecoach Reservoir, CO              | 14050001 | Green River Basin | White-Yampa              | MS        | 1                       | 291  | 291           | 291           | 291  | 0   |
| 09237500             | Yampa River below Stagecoach Reservoir, CO              | 14050001 | Green River Basin | White-Yampa              | MS        | 3                       | 275  | 280           | 258           | 258  | -6  |
| 09238900             | Fish Creek at upper station, near Steamboat Springs, CO | 14050001 | Green River Basin | White-Yampa              | T         | 2                       | 27   | 27            | 23            | 23   | -15   |
| 09239500             | Yampa River at Steamboat Springs, CO                    | 14050001 | Green River Basin | White-Yampa              | MS        | 1                       | 161  | 161           | 161           | 161  | 0   |
| 09243700             | Middle Creek near Oak Creek, CO                         | 14050001 | Green River Basin | White-Yampa              | T         | 2                       | 519  | 519           | 490           | 490  | -6  |
| 09243800             | Foidel Creek near Oak Creek, CO                         | 14050001 | Green River Basin | White-Yampa              | T         | 3                       | 1,880  | 2,100         | 1,860         | 1,860                                      | -1  |
| 09243900             | Foidel Creek at Mouth, near Oak Creek, CO               | 14050001 | Green River Basin | White-Yampa              | T         | 3                       | 1,720  | 1,900         | 1,420         | 1,420                                      | -17   |
| 09247600             | Yampa River below Craig, CO                             | 14050001 | Green River Basin | White-Yampa              | MS        | 3                       | 242  | 246           | 223           | 223  | -8  |
| 09249750             | Williams Fork at Mouth, near Hamilton, CO               | 14050001 | Green River Basin | White-Yampa              | T         | 3                       | 465  | 469           | 427           | 427  | -8  |
| 09251000             | Yampa River near Maybell, CO                            | 14050002 | Green River Basin | White-Yampa              | MS        | 3                       | 444  | 447           | 433           | 433  | -3  |
| 09255000             | Slater Fork near Slater, CO                             | 14050003 | Green River Basin | White-Yampa              | T         | 4                       | 171  | 171           | 160           | 166  | -3  |
| 09260000             | Little Snake River near Lily, CO                        | 14050003 | Green River Basin | White-Yampa              | T         | 2                       | 519  | 519           | 499           | 499  | -4  |
| 09261000             | Green River near Jensen, UT                             | 14060001 | Green River Basin | Lower Green              | MS        | 2                       | 502  | 502           | 437           | 437  | -13   |
| 09302000             | Duchesne River near Randlett, UT                        | 14060003 | Green River Basin | Lower Green              | T         | 2                       | 891  | 891           | 711           | 711  | -20   |
| 09303000             | North Fork White River at Burford, CO                   | 14050005 | Green River Basin | White-Yampa              | MS        | 5                       | 211  | 216           | 211           | 216  | 2   |
| 09304200             | White River above Coal Creek, near Meeker, CO           | 14050005 | Green River Basin | White-Yampa              | MS        | 5                       | 271  | 283           | 271           | 283  | 4   |
| 09304500             | White River near Meeker, CO                             | 14050005 | Green River Basin | White-Yampa              | MS        | 8                       | 314  | 314           | 296           | 313  | 0   |
| 09304800             | White River below Meeker, CO                            | 14050005 | Green River Basin | White-Yampa              | MS        | 4                       | 326  | 326           | 322           | 323  | -1  |
| 09306222             | Piceance Creek at White River, CO                       | 14050006 | Green River Basin | White-Yampa              | T         | 2                       | 1,220  | 1,220         | 1,170         | 1,170                                      | -4  |
| 09306242             | Corral Gulch near Rangely, CO                           | 14050006 | Green River Basin | White-Yampa              | T         | 3                       | 985  | 986           | 861           | 861  | -13   |
| 09306255             | Yellow Creek near White River, CO                       | 14050006 | Green River Basin | White-Yampa              | T         | 4                       | 2,610  | 2,610         | 2,390         | 2,490                                      | -5  |
| 09306290             | White River below Boise Creek, near Rangely, CO         | 14050007 | Green River Basin | White-Yampa              | MS        | 2                       | 506  | 506           | 442           | 442  | -13   |

See footnotes at end of table.

**Appendix 8.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin           | Hydrologic subregion       | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|---|----------|-----------------------------|----------------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |   |          |                             |                            |           |                         | Base year <sup>1</sup> (1989-91), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (2001–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 09306500             | White River near Watson, UT                           | 14050007 | Green River Basin           | White-Yampa                | MS        | 4                       | 648  | 648           | 555           | 575  | -11   |
| 09315000             | Green River at Green River, UT                        | 14060008 | Green River Basin           | Lower Green                | MS        | 2                       | 679  | 679           | 529           | 529  | -22   |
| 09328500             | San Rafael River near Green River, UT                 | 14060009 | Green River Basin           | Lower Green                | T         | 2                       | 3,140  | 3,140         | 2,940         | 2,940                                      | -6  |
| 09346400             | San Juan River near Carracas, CO                      | 14080101 | San Juan River Basin        | San Juan                   | MS        | 2                       | 321  | 321           | 265           | 265  | -17   |
| 09349800             | Piedra River near Arboles, CO                         | 14080102 | San Juan River Basin        | San Juan                   | T         | 2                       | 261  | 261           | 235           | 235  | -10   |
| 09352900             | Vallecito Creek near Bayfield, CO                     | 14080101 | San Juan River Basin        | San Juan                   | T         | 2                       | 51   | 51            | 47            | 47   | -8  |
| 09354500             | Los Pinos River at La Boca, CO                        | 14080101 | San Juan River Basin        | San Juan                   | T         | 1                       | 148  | 148           | 148           | 148  | 0   |
| 09355000             | Spring Creek at La Boca, CO                           | 14080101 | San Juan River Basin        | San Juan                   | T         | 3                       | 605  | 606           | 504           | 504  | -17   |
| 09355500             | San Juan River near Archuleta, NM                     | 14080101 | San Juan River Basin        | San Juan                   | MS        | 1                       | 161  | 161           | 161           | 161  | 0   |
| 09361500             | Animas River at Durango, CO                           | 14080104 | San Juan River Basin        | San Juan                   | T         | 2                       | 314  | 314           | 292           | 292  | -7  |
| 09364500             | Animas River at Farmington, NM                        | 14080104 | San Juan River Basin        | San Juan                   | T         | 2                       | 399  | 399           | 382           | 382  | -4  |
| 09368000             | San Juan River at Shiprock, NM                        | 14080105 | San Juan River Basin        | San Juan                   | MS        | 2                       | 386  | 386           | 351           | 351  | -9  |
| 09371000             | Mancos River near Towaoc, CO                          | 14080107 | San Juan River Basin        | San Juan                   | T         | 3                       | 1,730  | 1,740         | 1,240         | 1,240                                      | -28   |
| 09371010             | San Juan River at Four Corners, CO                    | 14080201 | San Juan River Basin        | San Juan                   | T         | 4                       | 415  | 415           | 402           | 410  | -1  |
| 09372000             | McElmo Creek near Colorado-Utah state line            | 14080202 | San Juan River Basin        | San Juan                   | T         | 2                       | 3,140  | 3,140         | 2,540         | 2,540                                      | -19   |
| 09379500             | San Juan River near Bluff, UT                         | 14080205 | San Juan River Basin        | San Juan                   | MS        | 2                       | 602  | 602           | 473           | 473  | -21   |
| 09380000             | Colorado River at Lees Ferry, AZ                      | 14070006 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | MS        | 2                       | 471  | 471           | 428           | 428  | -9  |
| 09406000             | Virgin River at Virgin, UT                            | 15010008 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | T         | 1                       | 602  | 602           | 602           | 602  | 0   |
| 09415000             | Virgin River at Littlefield, AZ                       | 15010010 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | T         | 2                       | 2,120  | 2,120         | 1,870         | 1,870                                      | -12   |
| 09421500             | Colorado River below Hoover Dam, AZ-NV                | 15010005 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | MS        | 4                       | 625  | 625           | 605           | 612  | -2  |
| 09424150             | Colorado River Aqueduct near Parker Dam, AZ-CA        | 15030101 | Lower Colorado River Basin  | Lower Colorado             | MS        | 2                       | 633  | 633           | 569           | 569  | -10   |
| 09426600             | Bill Williams River near Planet, AZ                   | 15030204 | Lower Colorado River Basin  | Lower Colorado             | MS        | 3                       | 572  | 579           | 566           | 566  | -1  |
| 09426650             | Central Arizona Project Canal at Havasu Pumping Plant | 15030204 | Lower Colorado River Basin  | Lower Colorado             | T         | 2                       | 632  | 632           | 567           | 567  | -10   |
| 09427520             | Colorado River below Parker Dam, AZ-CA                | 15030104 | Lower Colorado River Basin  | Lower Colorado             | MS        | 2                       | 650  | 650           | 586           | 586  | -10   |
| 09429490             | Colorado River above Imperial Dam, AZ-CA              | 15030104 | Lower Colorado River Basin  | Lower Colorado             | MS        | 7                       | 732  | 749           | 714           | 749  | 2   |

See footnotes at end of table.

**Appendix 8.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003—Continued.

| USGS site identifier | Site name  | HUC      | Major river basin                                   | Hydrologic subregion       | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|--|----------|---|----------------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |  |          |   |                            |           |                         | Base year <sup>1</sup> (1989-91), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (2001–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 09431500             | Gila River near Redrock, NM                              | 15040002 | Gila River Basin                                    | Upper Gila                 | MS        | 7                       | 227  | 237           | 227           | 237  | 4   |
| 09444000             | San Francisco River near Glenwood, NM                    | 15040004 | Gila River Basin                                    | Upper Gila                 | T         | 7                       | 217  | 229           | 217           | 229  | 6   |
| 09448500             | Gila River at head of Safford Valley, near Solomon, AZ   | 15040005 | Gila River Basin                                    | Upper Gila                 | MS        | 2                       | 520  | 520           | 482           | 482  | -7  |
| 09466500             | Gila River at Calva, AZ                                  | 15040005 | Gila River Basin                                    | Upper Gila                 | MS        | 2                       | 1,490  | 1,490         | 1,320         | 1,320                                      | -11   |
| 09471000             | San Pedro River at Charleston, AZ                        | 15050202 | Gila River Basin                                    | Middle Gila                | MS        | 4                       | 302  | 302           | 289           | 293  | -3  |
| 09474000             | Gila River at Kelvin, AZ                                 | 15050100 | Gila River Basin                                    | Middle Gila                | MS        | 2                       | 643  | 643           | 438           | 438  | -32   |
| 09498400             | Pinal Creek at Inspiration Dam, near Globe, AZ           | 15060103 | Gila River Basin                                    | Salt                       | T         | 2                       | 2,980  | 2,980         | 1,370         | 1,370                                      | -54   |
| 09498500             | Salt River near Roosevelt, AZ                            | 15060103 | Gila River Basin                                    | Salt                       | MS        | 5                       | 1,360  | 1,630         | 1,360         | 1,630                                      | 20  |
| 09502000             | Salt River below Stewart Mountain Dam, AZ                | 15060106 | Gila River Basin                                    | Salt                       | MS        | 5                       | 471  | 985           | 471           | 985  | 109   |
| 09504000             | Verde River near Clarkdale, AZ                           | 15060202 | Gila River Basin                                    | Salt                       | MS        | 1                       | 287  | 287           | 287           | 287  | 0   |
| 09508500             | Verde River below Tangle Creek, above Horseshoe Dam, AZ  | 15060203 | Gila River Basin                                    | Salt                       | MS        | 2                       | 365  | 365           | 349           | 349  | -4  |
| 09510000             | Verde River below Bartlett Dam, AZ                       | 15060203 | Gila River Basin                                    | Salt                       | MS        | 5                       | 357  | 453           | 357           | 453  | 27  |
| 09527500             | All-American Canal below Pilot Knob Wasteway, CA         | 15030107 | Lower Colorado River Basin                          | Lower Colorado             | T         | 4                       | 810  | 810           | 775           | 776  | -4  |
| 10038000             | Bear River below Smiths Fork, near Cokeville, WY         | 16010102 | Great Salt Lake and Sevier River Basins             | Bear                       | MS        | 5                       | 319  | 327           | 319           | 327  | 3   |
| 10171000             | Jordan River at 1700 South at Salt Lake City, UT         | 16020204 | Great Salt Lake and Sevier River Basins             | Great Salt Lake            | MS        | 7                       | 1,140  | 1,180         | 1,140         | 1,180                                      | 4   |
| 10172200             | Red Butte Creek at Fort Douglas, near Salt Lake City, UT | 16020204 | Great Salt Lake and Sevier River Basins             | Great Salt Lake            | T         | 2                       | 438  | 438           | 420           | 420  | -4  |
| 10256500             | Snow Creek near White Water, CA                          | 18100200 | Central Nevada and Eastern California Desert Basins | Southern Mojave-Salton Sea | T         | 2                       | 92   | 92            | 87            | 87   | -5  |
| 10265150             | Hot Creek at Flume, near Mammoth Lakes, CA               | 18090102 | Central Nevada and Eastern California Desert Basins | Northern Mojave-Mono Lake  | T         | 7                       | 352  | 359           | 342           | 359  | 2   |
| 10312150             | Carson River below Lahontan Reservoir, near Fallon, NV   | 16050203 | Central Lahontan Basins                             | Central Lahontan           | MS        | 1                       | 179  | 179           | 179           | 179  | 0   |

See footnotes at end of table.

**Appendix 8.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1989–2003—Continued.

| USGS site identifier | Site name   | HUC      | Major river basin                  | Hydrologic subregion        | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |                       |                       |   |  |
|----------------------|---|----------|------------------------------------|-----------------------------|-----------|-------------------------|--|-----------------------|-----------------------|---|--|
|                      |   |          |                                    |                             |           |                         | Base year <sup>1</sup><br>(1989-91),<br>mg/L   | Maxi-<br>mum,<br>mg/L | Mini-<br>mum,<br>mg/L | Ending<br>year <sup>2</sup><br>(2001–<br>2003),<br>mg/L | Period<br>change,<br>base year<br>to ending<br>year, as<br>percentage<br>of base<br>year |
| 10336700             | Incline Creek near Crystal Bay, NV                          | 16050101 | Central Lahontan Basins            | Central Lahontan            | T         | 5                       | 83   | 90                    | 83                    | 90  | 8  |
| 10343500             | Sagehen Creek near Truckee, CA                              | 16050102 | Central Lahontan Basins            | Central Lahontan            | T         | 4                       | 89   | 89                    | 84                    | 88  | -1   |
| 11066460             | Santa Ana River at Metropolitan Water District Crossing, CA | 18070203 | Southern California Coastal Basins | Southern California Coastal | MS        | 8                       | 575  | 585                   | 575                   | 575   | 0  |
| 11074000             | Santa Ana River below Prado Dam, CA                         | 18070203 | Southern California Coastal Basins | Southern California Coastal | MS        | 2                       | 577  | 577                   | 464                   | 464   | -20  |

<sup>1</sup>Base-year concentration is the value for the first year in the period 1989-91 in which there are data.

<sup>2</sup>Ending-year concentration is the value for the last year in the period 2001-03 in which there are data.

<sup>3</sup>Categories of trend types including (1) no trend, (2) monotonic decrease, (3) general decrease, initial increase followed by a decrease, (4) general decrease, initial decrease followed by an increase, (5) monotonic increase, (6) general increase, initial increase followed by a decrease, (7) general increase, initial decrease followed by an increase, (8) no trend, base year and ending year are within one percent but some variation in values occurred in intervening years.

**Appendix 9. Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–2003.**

[mg/L, milligrams per liter; HUC, hydrologic unit code; MS, main-stem site; T, tributary site; -, no data shown. AZ, Arizona; CA, California; CO, Colorado; ID, Idaho; NM, New Mexico; NV, Nevada; TX, Texas; UT, Utah; WY, Wyoming. Site locations shown on plate 1]

| USGS site identifier | Site name   | HUC      | Major river Basin          | Hydrologic subregion      | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|---|----------|----------------------------|---------------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |   |          |                            |                           |           |                         | Base year <sup>1</sup> (1974–79), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (1998–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 08251500             | Rio Grande near Lobatos, CO.                        | 13010002 | Upper Rio Grande Basin     | Rio Grande Headwaters     | MS        | 3                       | 149  | 185           | 144           | 144  | -3  |
| 08276500             | Rio Grande below Taos Junction Bridge near Taos, NM | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 6                       | 151  | 193           | 151           | 177  | 17  |
| 08290000             | Rio Chama near Chamita, NM                          | 13020102 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 4                       | 306  | 306           | 234           | 260  | -15   |
| 08313000             | Rio Grande at Otowi Bridge, NM                      | 13020101 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 4                       | 234  | 234           | 200           | 204  | -13   |
| 08319000             | Rio Grande at San Felipe, NM                        | 13020201 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 1                       | 231  | 231           | 231           | 231  | 0   |
| 08332010             | Rio Grande floodway near Bernardo, NM               | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 4                       | 512  | 512           | 334           | 387  | -24   |
| 08353000             | Rio Puerco near Bernardo, NM                        | 13020204 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | T         | 1                       | 2,080  | 2,080         | 2,080         | 2,080                                      | 0   |
| 08354900             | Rio Grande floodway at San Acacia, NM               | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 2                       | 520  | 520           | 348           | 348  | -33   |
| 08358400             | Rio Grande floodway at San Marcial, NM              | 13020203 | Upper Rio Grande Basin     | Rio Grande-Elephant Butte | MS        | 4                       | 715  | 715           | 431           | 566  | -21   |
| 08364000             | Rio Grande at El Paso, TX                           | 13030102 | Upper Rio Grande Basin     | Rio Grande-Mimbres        | MS        | 1                       | 777  | 777           | 777           | 777  | 0   |
| 09067000             | Beaver Creek at Avon, CO                            | 14010003 | Upper Colorado River Basin | Colorado Headwaters       | T         | 6                       | 125  | 167           | 125           | 155  | 24  |
| 09070500             | Colorado River near Dotsero, CO                     | 14010001 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 6                       | 249  | 263           | 249           | 253  | 1   |
| 09085000             | Roaring Fork River at Glenwood Springs, CO          | 14010004 | Upper Colorado River Basin | Colorado Headwaters       | T         | 2                       | 368  | 368           | 333           | 333  | -10   |
| 09095500             | Colorado River near Cameo, CO                       | 14010005 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 3                       | 628  | 633           | 567           | 567  | -10   |
| 09132500             | North Fork Gunnison River near Somerset, CO         | 14020004 | Upper Colorado River Basin | Gunnison                  | MS        | 3                       | 132  | 139           | 128           | 128  | -3  |
| 09149500             | Uncompahgre River at Delta, CO                      | 14020006 | Upper Colorado River Basin | Gunnison                  | T         | 2                       | 1,500  | 1,500         | 1,280         | 1,280                                      | -15   |
| 09152500             | Gunnison River near Grand Junction, CO              | 14020005 | Upper Colorado River Basin | Gunnison                  | MS        | 3                       | 595  | 596           | 487           | 487  | -18   |
| 09163500             | Colorado River near Colorado-Utah State Line        | 14010005 | Upper Colorado River Basin | Colorado Headwaters       | MS        | 2                       | 683  | 683           | 567           | 567  | -17   |
| 09180000             | Dolores River near Cisco, UT                        | 14030004 | Upper Colorado River Basin | Upper Colorado-Dolores    | MS        | 3                       | 1,730  | 1,760         | 929           | 929  | -46   |
| 09180500             | Colorado River near Cisco, UT                       | 14030005 | Upper Colorado River Basin | Upper Colorado-Dolores    | MS        | 3                       | 785  | 799           | 625           | 625  | -20   |
| 09211200             | Green River below Fontenelle Reservoir, WY          | 14040103 | Green River Basin          | Great Divide-Upper Green  | MS        | 2                       | 280  | 280           | 243           | 243  | -13   |
| 09216050             | Big Sandy River at Gasson Bridge, near Eden, WY     | 14040104 | Green River Basin          | Great Divide-Upper Green  | T         | 2                       | 2,760  | 2,760         | 2,340         | 2,340                                      | -15   |
| 09217000             | Green River near Green River, WY                    | 14040106 | Green River Basin          | Great Divide-Upper Green  | MS        | 2                       | 414  | 414           | 312           | 312  | -25   |
| 09224700             | Blacks Fork near Little America, WY                 | 14040107 | Green River Basin          | Great Divide-Upper Green  | T         | 2                       | 1,130  | 1,130         | 1,010         | 1,010                                      | -11   |

See footnotes at end of table.

**Appendix 9.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–2003—Continued.

| USGS site identifier | Site name  | HUC      | Major river Basin           | Hydrologic subregion       | Site type | Trend type <sup>3</sup> | Annual adjusted dissolved-solids concentration |                  |                  |  |   |
|----------------------|--|----------|-----------------------------|----------------------------|-----------|-------------------------|--|------------------|------------------|--|---|
|                      |  |          |                             |                            |           |                         | Base year <sup>1</sup><br>(1974–79),<br>mg/L   | Maximum,<br>mg/L | Minimum,<br>mg/L | Ending year <sup>2</sup><br>(1998–2003),<br>mg/L | Period change,<br>base year<br>to ending<br>year, as<br>percentage<br>of base<br>year |
| 09234500             | Green River near Greendale, UT                       | 14040106 | Green River Basin           | Great Divide-Upper Green   | MS        | 2                       | 506  | 506              | 423              | 423  | -16   |
| 09239500             | Yampa River at Steamboat Springs, CO                 | 14050001 | Green River Basin           | White-Yampa                | MS        | 1                       | 161  | 161              | 161              | 161  | 0   |
| 09251000             | Yampa River near Maybell, CO                         | 14050002 | Green River Basin           | White-Yampa                | MS        | 6                       | 396  | 447              | 396              | 433  | 9   |
| 09253000             | Little Snake River near Slater, CO                   | 14050003 | Green River Basin           | White-Yampa                | T         | 4                       | 122  | 122              | 102              | 113  | -7  |
| 09260000             | Little Snake River near Lily, CO                     | 14050003 | Green River Basin           | White-Yampa                | T         | 2                       | 542  | 542              | 499              | 499  | -8  |
| 09261000             | Green River near Jensen, UT                          | 14060001 | Green River Basin           | Lower Green                | MS        | 3                       | 508  | 514              | 437              | 437  | -14   |
| 09302000             | Duchesne River near Randlett, UT                     | 14060003 | Green River Basin           | Lower Green                | T         | 2                       | 984  | 984              | 711              | 711  | -28   |
| 09303000             | North Fork White River at Burford, CO                | 14050005 | Green River Basin           | White-Yampa                | MS        | 5                       | 207  | 216              | 207              | 216  | 4   |
| 09304200             | White River above Coal Creek, near Meeker, CO        | 14050005 | Green River Basin           | White-Yampa                | MS        | 7                       | 272  | 283              | 270              | 283  | 4   |
| 09304800             | White River below Meeker, CO                         | 14050005 | Green River Basin           | White-Yampa                | MS        | 4                       | 351  | 351              | 322              | 323  | -8  |
| 09306200             | Piceance Creek below Ryan Gulch, near Rio Blanco, CO | 14050006 | Green River Basin           | White-Yampa                | T         | 1                       | 995  | 995              | 995              | 995  | 0   |
| 09306222             | Piceance Creek at White River, CO                    | 14050006 | Green River Basin           | White-Yampa                | T         | 2                       | 1,290  | 1,290            | 1,170            | 1,170  | -9  |
| 09306242             | Corral Gulch near Rangely, CO                        | 14050006 | Green River Basin           | White-Yampa                | T         | 6                       | 804  | 986              | 804              | 861  | 7   |
| 09315000             | Green River at Green River, UT                       | 14060008 | Green River Basin           | Lower Green                | MS        | 3                       | 693  | 710              | 529              | 529  | -24   |
| 09328500             | San Rafael River near Green River, UT                | 14060009 | Green River Basin           | Lower Green                | T         | 2                       | 3,380  | 3,380            | 2,940            | 2,940  | -13   |
| 09352900             | Vallecito Creek near Bayfield, CO                    | 14080101 | San Juan River Basin        | San Juan                   | T         | 3                       | 52   | 52               | 47               | 47   | -9  |
| 09355500             | San Juan River near Archuleta, NM                    | 14080101 | San Juan River Basin        | San Juan                   | MS        | 1                       | 161  | 161              | 161              | 161  | 0   |
| 09364500             | Animas River at Farmington, NM                       | 14080104 | San Juan River Basin        | San Juan                   | T         | 2                       | 420  | 420              | 382              | 382  | -9  |
| 09368000             | San Juan River at Shiprock, NM                       | 14080105 | San Juan River Basin        | San Juan                   | MS        | 2                       | 433  | 433              | 351              | 351  | -19   |
| 09371010             | San Juan River at Four Corners, CO                   | 14080201 | San Juan River Basin        | San Juan                   | T         | 4                       | 488  | 488              | 402              | 410  | -16   |
| 09372000             | McElmo Creek near Colorado-Utah state line           | 14080202 | San Juan River Basin        | San Juan                   | T         | 2                       | 3,510  | 3,510            | 2,540            | 2,540  | -28   |
| 09379500             | San Juan River near Bluff, UT                        | 14080205 | San Juan River Basin        | San Juan                   | MS        | 3                       | 641  | 644              | 473              | 473  | -26   |
| 09380000             | Colorado River at Lees Ferry, AZ                     | 14070006 | Middle Colorado River Basin | Upper Colorado-Dirty Devil | MS        | 2                       | 518  | 518              | 428              | 428  | -17   |
| 09415000             | Virgin River at Littlefield, AZ                      | 15010010 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | T         | 3                       | 2,000  | 2,130            | 1,870            | 1,870  | -7  |
| 09421500             | Colorado River below Hoover Dam, AZ-NV               | 15010005 | Middle Colorado River Basin | Lower Colorado-Lake Mead   | MS        | 4                       | 750  | 750              | 605              | 612  | -18   |
| 09427520             | Colorado River below Parker Dam, AZ-CA               | 15030104 | Lower Colorado River Basin  | Lower Colorado             | MS        | 2                       | 719  | 719              | 586              | 586  | -18   |

See footnotes at end of table.

**Appendix 9.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–2003—Continued.

| USGS site identifier | Site name   | HUC      | Major river Basin                       | Hydrologic subregion | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|---|----------|---|----------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |   |          |   |                      |           |                         | Base year <sup>1</sup> (1974–79), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (1998–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 09429490             | Colorado River above Imperial Dam, AZ-CA                                  | 15030104 | Lower Colorado River Basin              | Lower Colorado       | MS        | 4                       | 884  | 884           | 714           | 749  | -15   |
| 09431500             | Gila River near Redrock, NM   | 15040002 | Gila River Basin                        | Upper Gila           | MS        | 4                       | 243  | 243           | 227           | 237  | -2  |
| 09444000             | San Francisco River near Glenwood, NM                                     | 15040004 | Gila River Basin                        | Upper Gila           | T         | 4                       | 242  | 242           | 217           | 229  | -5  |
| 09448500             | Gila River at head of Safford Valley, near Solomon, AZ                    | 15040005 | Gila River Basin                        | Upper Gila           | MS        | 3                       | 514  | 522           | 482           | 482  | -6  |
| 09466500             | Gila River at Calva, AZ   | 15040005 | Gila River Basin                        | Upper Gila           | MS        | 2                       | 1,700  | 1,700         | 1,320         | 1,320                                      | -22   |
| 09471000             | San Pedro River at Charleston, AZ   | 15050202 | Gila River Basin                        | Middle Gila          | MS        | 4                       | 367  | 367           | 289           | 293  | -20   |
| 09474000             | Gila River at Kelvin, AZ  | 15050100 | Gila River Basin                        | Middle Gila          | MS        | 3                       | 638  | 676           | 438           | 438  | -31   |
| 09498500             | Salt River near Roosevelt, AZ   | 15060103 | Gila River Basin                        | Salt                 | MS        | 7                       | 1,400  | 1,630         | 1,350         | 1,630                                      | 16  |
| 09502000             | Salt River below Stewart Mountain Dam, AZ                                 | 15060106 | Gila River Basin                        | Salt                 | MS        | 7                       | 454  | 985           | 393           | 985  | 117   |
| 09504000             | Verde River near Clarkdale, AZ  | 15060202 | Gila River Basin                        | Salt                 | MS        | 1                       | 287  | 287           | 287           | 287  | 0   |
| 09510000             | Verde River below Bartlett Dam, AZ  | 15060203 | Gila River Basin                        | Salt                 | MS        | 7                       | 396  | 453           | 353           | 453  | 15  |
| 09518000             | Gila River above diversions, at Gillespie Dam, AZ                         | 15070101 | Gila River Basin                        | Lower Gila           | MS        | 6                       | 2,180  | 2,420         | 2,180         | 2,290                                      | 5   |
| 09522000             | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 15030108 | Lower Colorado River Basin              | Lower Colorado       | MS        | 2                       | 963  | 963           | 829           | 829  | -14   |
| 09527500             | All-American Canal below Pilot Knob Wasteway, CA                          | 15030107 | Lower Colorado River Basin              | Lower Colorado       | T         | 4                       | 949  | 949           | 775           | 776  | -18   |
| 10038000             | Bear River below Smiths Fork, near Cokeville, WY                          | 16010102 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 5                       | 311  | 327           | 311           | 327  | 5   |
| 10126000             | Bear River near Corinne, UT   | 16010204 | Great Salt Lake and Sevier River Basins | Bear                 | MS        | 2                       | 788  | 788           | 650           | 650  | -18   |
| 10130500             | Weber River near Coalville, UT  | 16020101 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 5                       | 202  | 228           | 202           | 228  | 13  |
| 10141000             | Weber River near Plain City, UT   | 16020102 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 2                       | 374  | 374           | 351           | 351  | -6  |
| 10171000             | Jordan River at 1700 South at Salt Lake City, UT                          | 16020204 | Great Salt Lake and Sevier River Basins | Great Salt Lake      | MS        | 4                       | 1,210  | 1,210         | 1,140         | 1,180                                      | -2  |

See footnotes at end of table.

**Appendix 9.** Summary statistics for annual adjusted dissolved-solids concentration at surface-water quality monitoring sites in the Southwestern United States, 1974–2003—Continued.

| USGS site identifier | Site name   | HUC      | Major river Basin                                   | Hydrologic subregion        | Site type | Trend type <sup>2</sup> | Annual adjusted dissolved-solids concentration |               |               |  |   |
|----------------------|---|----------|---|-----------------------------|-----------|-------------------------|--|---------------|---------------|--|---|
|                      |   |          |   |                             |           |                         | Base year <sup>1</sup> (1974–79), mg/L         | Maximum, mg/L | Minimum, mg/L | Ending year <sup>2</sup> (1998–2003), mg/L | Period change, base year to ending year, as percentage of base year |
| 10172200             | Red Butte Creek at Fort Douglas, near Salt Lake City, UT    | 16020204 | Great Salt Lake and Sevier River Basins             | Great Salt Lake             | T         | 3                       | 429  | 439           | 420           | 420  | -2  |
| 10256500             | Snow Creek near White Water, CA                             | 18100200 | Central Nevada and Eastern California Desert Basins | Southern Mojave-Salton Sea  | T         | 2                       | 97   | 97            | 87            | 87   | -10   |
| 10312150             | Carson River below Lahontan Reservoir, near Fallon, NV      | 16050203 | Central Lahontan Basins                             | Central Lahontan            | MS        | 1                       | 179  | 179           | 179           | 179  | 0   |
| 11066460             | Santa Ana River at Metropolitan Water District Crossing, CA | 18070203 | Southern California Coastal Basins                  | Southern California Coastal | MS        | 5                       | 489  | 585           | 489           | 575  | 18  |
| 11074000             | Santa Ana River below Prado Dam, CA                         | 18070203 | Southern California Coastal Basins                  | Southern California Coastal | MS        | 3                       | 547  | 586           | 464           | 464  | -15   |

<sup>1</sup>Base-year load and concentration are the value for the first year in the period 1974–79 in which there are data.

<sup>2</sup>Ending-year load and concentration are the value for the last year in the period 1998–2003 in which there are data.

<sup>3</sup>Categories of trend types including (1) no trend, (2) monotonic decrease, (3) general decrease, initial increase followed by a decrease, (4) general decrease, initial decrease followed by an increase, (5) monotonic increase, (6) general increase, initial increase followed by a decrease, (7) general increase, initial decrease followed by an increase, (8) no trend, base year and ending year are within one percent but some variation in values occurred in intervening years.



**Appendix 10. Flow-weighted dissolved-solids concentration for 420 surface-water-quality monitoring sites**  
 [Data are in milligrams per liter and computed on the basis of the annual load and annual discharge; period: 1974-1978]

| <b>USGS site identifier</b> | <b>Name</b>   | <b>1974</b> | <b>1975</b> | <b>1976</b> | <b>1977</b> | <b>1978</b> |
|-----------------------------|---|-------------|-------------|-------------|-------------|-------------|
| 08217500                    | Rio Grande at Wagon Wheel Gap, CO                     | --          | --          | --          | --          | --          |
| 08251500                    | Rio Grande near Lobatos, CO                           | --          | 132         | 145         | 208         | 188         |
| 08263500                    | Rio Grande near Cerro, NM                             | --          | --          | --          | --          | --          |
| 08265000                    | Red River near Questa, NM                             | --          | --          | --          | --          | --          |
| 08266820                    | Red River below Fish Hatchery, near Questa, NM        | --          | --          | --          | --          | --          |
| 08267500                    | Rio Hondo near Valdez, NM                             | --          | --          | --          | --          | --          |
| 08276300                    | Rio Pueblo De Taos below Los Cordovas, NM             | --          | --          | --          | --          | --          |
| 08276500                    | Rio Grande below Taos Junction Bridge near Taos, NM   | --          | 138         | 152         | 190         | 177         |
| 08279000                    | Embudo Creek at Dixon, NM                             | 204         | 157         | 175         | 212         | 170         |
| 08284100                    | Rio Chama near La Puente, NM                          | --          | --          | --          | --          | --          |
| 08286500                    | Rio Chama above Abiquiu Reservoir, NM                 | --          | --          | 231         | 246         | 224         |
| 08287000                    | Rio Chama below Abiquiu Dam, NM                       | --          | --          | 487         | 296         | 302         |
| 08290000                    | Rio Chama near Chamita, NM                            | 274         | 232         | 244         | 247         | 221         |
| 08313000                    | Rio Grande at Otowi Bridge, NM                        | 238         | 206         | 205         | 264         | 240         |
| 08317200                    | Santa Fe River above Cochiti Lake, NM                 | --          | --          | --          | --          | --          |
| 08319000                    | Rio Grande at San Felipe, NM                          | --          | 195         | 210         | 237         | 212         |
| 08324000                    | Jemez River near Jemez, NM                            | --          | --          | --          | --          | --          |
| 08329000                    | Jemez River below Jemez Canyon Dam, NM                | 802         | 434         | 741         | 642         | 493         |
| 08330000                    | Rio Grande at Albuquerque, NM                         | --          | --          | --          | --          | --          |
| 08332010                    | Rio Grande floodway near Bernardo, NM                 | 438         | 375         | 364         | 487         | 381         |
| 08353000                    | Rio Puerco near Bernardo, NM                          | 1,230       | 1,230       | 1,220       | 1,190       | 1,480       |
| 08354000                    | Rio Salado near San Acacia, NM                        | 1,090       | 757         | 1,210       | 756         | 1,030       |
| 08354900                    | Rio Grande floodway at San Acacia, NM                 | --          | 522         | 477         | 419         | 522         |
| 08358400                    | Rio Grande floodway at San Marcial, NM                | 859         | 466         | 538         | 569         | 484         |
| 08364000                    | Rio Grande at El Paso, TX                             | --          | --          | 697         | 838         | 879         |
| 08477110                    | Mimbres River at Mimbres, NM                          | --          | --          | --          | --          | --          |
| 08481500                    | Tularosa Creek near Bent, NM                          | 1,120       | 1,100       | 1,080       | 1,070       | 1,050       |
| 09010500                    | Colorado River below Baker Gulch, near Grand Lake, CO | --          | --          | --          | --          | --          |
| 09022000                    | Fraser River at upper station, near Winter Park, CO   | --          | --          | --          | --          | --          |
| 09024000                    | Fraser River at Winter Park, CO                       | --          | --          | --          | --          | --          |
| 09025000                    | Vasquez Creek at Winter Park, CO                      | --          | --          | --          | --          | --          |
| 09025400                    | Elk Creek near Fraser, CO                             | --          | --          | --          | --          | --          |
| 09026500                    | St. Louis Creek near Fraser, CO                       | --          | --          | --          | --          | --          |
| 09032000                    | Ranch Creek near Fraser, CO                           | --          | --          | --          | --          | --          |
| 09032100                    | Cabin Creek near Fraser, CO                           | --          | --          | --          | --          | --          |
| 09034250                    | Colorado River at Windy Gap, near Granby, CO          | --          | --          | --          | --          | --          |
| 09034500                    | Colorado River at Hot Sulphur Springs, CO             | 69          | 80          | 84          | 87          | 75          |
| 09034900                    | Bobtail Creek near Jones Pass, CO                     | --          | --          | --          | --          | --          |

|          |  |    |    |    |    |    |
|----------|--|----|----|----|----|----|
| 09035500 | Williams Fork below Steelman Creek, CO                 | -- | -- | -- | -- | -- |
| 09035700 | Williams Fork above Darling Creek, near Leal, CO       | -- | -- | -- | -- | -- |
| 09035800 | Darling Creek near Leal, CO                            | -- | -- | -- | -- | -- |
| 09035900 | South Fork of Williams Fork near Leal, CO              | -- | -- | -- | -- | -- |
| 09036000 | Williams Fork near Leal, CO                            | -- | -- | -- | -- | -- |
| 09037500 | Williams Fork near Parshall, CO                        | -- | -- | -- | -- | -- |
| 09038500 | Williams Fork below Williams Fork Reservoir, CO        | -- | -- | -- | -- | -- |
| 09039000 | Troublesome Creek near Pearmont, CO                    | -- | -- | -- | -- | -- |
| 09041500 | Muddy Creek at Kremmling, CO                           | -- | -- | -- | -- | -- |
| 09046490 | Blue River at Blue River, CO                           | -- | -- | -- | -- | -- |
| 09046600 | Blue River near Dillon, CO                             | -- | -- | -- | -- | -- |
| 09047500 | Snake River near Montezuma, CO                         | -- | -- | -- | -- | -- |
| 09047700 | Keystone Gulch near Dillon, CO                         | -- | -- | -- | -- | -- |
| 09050100 | Tenmile Creek below North Tenmile Creek, at Frisco, CO | -- | -- | -- | -- | -- |
| 09050700 | Blue River below Dillon, CO                            | -- | -- | -- | -- | -- |
| 09051050 | Straight Creek below Laskey Gulch near Dillon, CO      | -- | -- | -- | -- | -- |
| 09052000 | Rock Creek near Dillon, CO                             | -- | -- | -- | -- | -- |
| 09052400 | Boulder Creek at upper station, near Dillon, CO        | -- | -- | -- | -- | -- |
| 09052800 | Slate Creek at upper station, near Dillon, CO          | -- | -- | -- | -- | -- |
| 09054000 | Black Creek below Black Lake, near Dillon, CO          | -- | -- | -- | -- | -- |
| 09055300 | Cataract Creek near Kremmling, CO                      | -- | -- | -- | -- | -- |
| 09057500 | Blue River below Green Mountain Reservoir, CO          | -- | -- | -- | -- | -- |
| 09058000 | Colorado River near Kremmling, CO                      | -- | -- | -- | -- | -- |
| 09058500 | Piney River below Piney Lake, near Minturn, CO         | -- | -- | -- | -- | -- |
| 09058610 | Dickson Creek near Vail, CO                            | -- | -- | -- | -- | -- |
| 09058700 | Freeman Creek near Minturn, CO                         | -- | -- | -- | -- | -- |
| 09058800 | East Meadow Creek near Minturn, CO                     | -- | -- | -- | -- | -- |
| 09059500 | Piney River near state bridge, CO                      | -- | -- | -- | -- | -- |
| 09060550 | Rock Creek at Crater, CO                               | -- | -- | -- | -- | -- |
| 09060770 | Rock Creek at McCoy, CO                                | -- | -- | -- | -- | -- |
| 09063000 | Eagle River at Red Cliff, CO                           | -- | -- | -- | -- | -- |
| 09063200 | Wearyman Creek near Red Cliff, CO                      | -- | -- | -- | -- | -- |
| 09063400 | Turkey Creek near Red Cliff, CO                        | -- | -- | -- | -- | -- |
| 09063900 | Missouri Creek near Gold Park, CO                      | -- | -- | -- | -- | -- |
| 09064000 | Homestake Creek at Gold Park, CO                       | -- | -- | -- | -- | -- |
| 09064500 | Homestake Creek near Red Cliff, CO                     | -- | -- | -- | -- | -- |
| 09064600 | Eagle River near Minturn, CO                           | -- | -- | -- | -- | -- |
| 09065100 | Cross Creek near Minturn, CO                           | -- | -- | -- | -- | -- |
| 09065500 | Gore Creek at upper station, near Minturn, CO          | -- | -- | -- | -- | -- |
| 09066000 | Black Gore Creek near Minturn, CO                      | -- | -- | -- | -- | -- |
| 09066100 | Bighorn Creek near Minturn, CO                         | -- | -- | -- | -- | -- |
| 09066150 | Pitkin Creek near Minturn, CO                          | -- | -- | -- | -- | -- |

|          |   |     |     |     |     |     |
|----------|---|-----|-----|-----|-----|-----|
| 09066200 | Booth Creek near Minturn, CO                                  | --  | --  | --  | --  | --  |
| 09066300 | Middle Creek near Minturn, CO                                 | --  | --  | --  | --  | --  |
| 09066310 | Gore Creek, lower station, at Vail, CO                        | --  | --  | --  | --  | --  |
| 09066400 | Red Sandstone Creek near Minturn, CO                          | --  | --  | --  | --  | --  |
| 09067000 | Beaver Creek at Avon, CO                                      | --  | 72  | 87  | 123 | 75  |
| 09067005 | Eagle River at Avon, CO                                       | --  | --  | --  | --  | --  |
| 09067200 | Lake Creek near Edwards, CO                                   | --  | --  | --  | --  | --  |
| 09070000 | Eagle River below Gypsum, CO                                  | --  | --  | --  | --  | --  |
| 09070500 | Colorado River near Dotsero, CO                               | 185 | 201 | 228 | 281 | 206 |
| 09071300 | Grizzly Creek near Glenwood Springs, CO                       | --  | --  | --  | --  | --  |
| 09073300 | Roaring Fork River above Difficult Creek near Aspen, CO       | --  | --  | --  | --  | --  |
| 09073400 | Roaring Fork River near Aspen, CO                             | --  | --  | --  | --  | --  |
| 09074000 | Hunter Creek near Aspen, CO                                   | --  | --  | --  | --  | --  |
| 09074800 | Castle Creek above Aspen, CO                                  | --  | --  | --  | --  | --  |
| 09075700 | Maroon Creek above Aspen, CO                                  | --  | --  | --  | --  | --  |
| 09080400 | Fryingpan River near Ruedi, CO                                | --  | --  | --  | --  | --  |
| 09081600 | Crystal River above Avalanche Creek, near Redstone, CO        | --  | --  | --  | --  | --  |
| 09085000 | Roaring Fork River at Glenwood Springs, CO                    | 273 | 257 | 296 | 409 | 251 |
| 09085100 | Colorado River below Glenwood Springs, CO                     | --  | --  | --  | --  | --  |
| 09089500 | West Divide Creek near Raven, CO                              | --  | --  | --  | --  | --  |
| 09093000 | Parachute Creek near Parachute, CO                            | --  | --  | 369 | 455 | 380 |
| 09093700 | Colorado River near De Beque, CO                              | 382 | 378 | 449 | 605 | 386 |
| 09095500 | Colorado River near Cameo, CO                                 | 396 | 396 | 471 | 633 | 411 |
| 09105000 | Plateau Creek near Cameo, CO                                  | --  | --  | --  | --  | --  |
| 09106150 | Colorado River below Grand Valley Diversion near Palisade, CO | --  | --  | --  | --  | --  |
| 09107000 | Taylor River at Taylor Park, CO                               | --  | --  | --  | --  | --  |
| 09109000 | Taylor River below Taylor Park Reservoir, CO                  | --  | --  | --  | --  | --  |
| 09110000 | Taylor River at Almont, CO                                    | --  | --  | --  | --  | --  |
| 09111500 | Slate River near Crested Butte, CO                            | --  | --  | --  | --  | --  |
| 09112200 | East River below Cement Creek, near Crested Butte, CO         | --  | --  | --  | --  | --  |
| 09112500 | East River at Almont, CO                                      | --  | --  | --  | --  | --  |
| 09114500 | Gunnison River near Gunnison, CO                              | --  | --  | --  | --  | --  |
| 09115500 | Tomichi Creek at Sargents, CO                                 | --  | --  | --  | --  | --  |
| 09118450 | Cochetopa Creek below Rock Creek, near Parlin, CO             | --  | --  | --  | --  | --  |
| 09119000 | Tomichi Creek at Gunnison, CO                                 | --  | --  | --  | --  | --  |
| 09124500 | Lake Fork at Gateview, CO                                     | --  | --  | --  | --  | --  |
| 09126000 | Cimarron River near Cimarron, CO                              | --  | --  | --  | --  | --  |
| 09128000 | Gunnison River below Gunnison Tunnel, CO                      | --  | --  | --  | --  | --  |
| 09128500 | Smith Fork near Crawford, CO                                  | --  | --  | --  | --  | --  |
| 09132500 | North Fork Gunnison River near Somerset, CO                   | --  | --  | --  | --  | 76  |
| 09134000 | Minnesota Creek near Paonia, CO                               | --  | --  | --  | --  | --  |
| 09135900 | Leroux Creek at Hotchkiss, CO                                 | --  | --  | --  | --  | --  |

|          |   |       |       |       |       |       |
|----------|---|-------|-------|-------|-------|-------|
| 09143000 | Surface Creek near Cedaredge, CO                        | --    | --    | --    | --    | --    |
| 09143500 | Surface Creek at Cedaredge, CO                          | --    | --    | --    | --    | --    |
| 09144250 | Gunnison River at Delta, CO                             | --    | --    | --    | --    | --    |
| 09146200 | Uncompahgre River near Ridgway, CO                      | --    | --    | --    | --    | --    |
| 09147000 | Dallas Creek near Ridgway, CO                           | --    | --    | --    | --    | --    |
| 09147025 | Uncompahgre River below Ridgway Reservoir, CO           | --    | --    | --    | --    | --    |
| 09147500 | Uncompahgre River at Colona, CO                         | --    | --    | --    | --    | --    |
| 09149500 | Uncompahgre River at Delta, CO                          | 1,150 | 1,090 | 1,250 | 1,430 | 1,170 |
| 09152500 | Gunnison River near Grand Junction, CO                  | 534   | 517   | 637   | 846   | 598   |
| 09153290 | Reed Wash near Mack, CO                                 | --    | --    | --    | --    | --    |
| 09153300 | Reed Wash near Loma, CO                                 | 1,490 | 1,520 | 1,510 | 1,480 | 1,440 |
| 09163490 | Salt Creek near Mack, CO                                | 1,450 | 1,380 | 1,440 | 1,370 | 1,430 |
| 09163500 | Colorado River near Colorado-Utah State Line            | --    | --    | --    | --    | --    |
| 09165000 | Dolores River below Rico, CO                            | --    | --    | --    | --    | --    |
| 09166500 | Dolores River at Dolores, CO                            | --    | --    | --    | --    | --    |
| 09166950 | Lost Canyon Creek near Dolores, CO                      | --    | --    | --    | --    | --    |
| 09169500 | Dolores River at Bedrock, CO                            | --    | --    | --    | --    | --    |
| 09171100 | Dolores River near Bedrock, CO                          | --    | --    | --    | --    | --    |
| 09172500 | San Miguel River near Placerville, CO                   | --    | --    | --    | --    | --    |
| 09177000 | San Miguel River at Uravan, CO                          | 363   | 307   | 445   | 655   | 339   |
| 09180000 | Dolores River near Cisco, UT                            | 965   | 492   | 915   | 2,130 | 547   |
| 09180500 | Colorado River near Cisco, UT                           | 593   | 533   | 707   | 1,030 | 563   |
| 09183000 | Courthouse Wash near Moab, UT                           | 503   | 509   | 498   | 494   | 497   |
| 09184000 | Mill Creek near Moab, UT                                | 173   | 171   | 168   | 191   | 147   |
| 09205000 | New Fork River near Big Piney, WY                       | 79    | 77    | 79    | 121   | 73    |
| 09209400 | Green River near La Barge, WY                           | 177   | 176   | 183   | 225   | 182   |
| 09211200 | Green River below Fontenelle Reservoir, WY              | 231   | 226   | 227   | 275   | 218   |
| 09215550 | Big Sandy River below Farson, WY                        | 33    | 29    | 33    | 44    | 31    |
| 09216050 | Big Sandy River at Gasson Bridge, near Eden, WY         | --    | 2,140 | 2,220 | 2,940 | 2,700 |
| 09217000 | Green River near Green River, WY                        | 330   | 328   | 321   | 476   | 307   |
| 09222000 | Blacks Fork near Lyman, WY                              | 654   | 640   | 943   | 1,640 | 814   |
| 09224700 | Blacks Fork near Little America, WY                     | 627   | 603   | 691   | 1,170 | 613   |
| 09234500 | Green River near Greendale, UT                          | 456   | 491   | 488   | 488   | 539   |
| 09235600 | Pot Creek above Diversions, near Vernal, UT             | 110   | 104   | 115   | 166   | 129   |
| 09235800 | Pot Creek near Vernal, UT                               | 172   | 150   | 178   | 211   | 178   |
| 09237450 | Yampa River above Stagecoach Reservoir, CO              | --    | --    | --    | --    | --    |
| 09237500 | Yampa River below Stagecoach Reservoir, CO              | --    | --    | --    | --    | --    |
| 09238900 | Fish Creek at upper station, near Steamboat Springs, CO | --    | --    | --    | --    | --    |
| 09239500 | Yampa River at Steamboat Springs, CO                    | --    | 82    | 93    | 125   | 76    |
| 09242500 | Elk River near Milner, CO                               | --    | --    | --    | --    | --    |
| 09243700 | Middle Creek near Oak Creek, CO                         | --    | --    | --    | --    | --    |
| 09243800 | Foidel Creek near Oak Creek, CO                         | --    | --    | --    | --    | --    |
| 09243900 | Foidel Creek at Mouth, near Oak Creek, CO               | --    | --    | --    | --    | --    |

|          |  |       |     |       |       |       |
|----------|--|-------|-----|-------|-------|-------|
| 09244410 | Yampa River below Diversion, near Hayden, CO               | --    | 92  | 103   | 131   | 83    |
| 09245000 | Elkhead Creek near Elkhead, CO                             | --    | --  | --    | --    | --    |
| 09247600 | Yampa River below Craig, CO                                | --    | --  | --    | --    | --    |
| 09249750 | Williams Fork at Mouth, near Hamilton, CO                  | --    | --  | --    | --    | --    |
| 09251000 | Yampa River near Maybell, CO                               | 153   | 155 | 195   | 268   | 158   |
| 09253000 | Little Snake River near Slater, CO                         | --    | 62  | 65    | 85    | 56    |
| 09255000 | Slater Fork near Slater, CO                                | --    | --  | --    | --    | --    |
| 09260000 | Little Snake River near Lily, CO                           | 204   | 216 | 238   | 324   | 209   |
| 09260050 | Yampa River at Deerlodge Park, CO                          | --    | --  | --    | --    | --    |
| 09261000 | Green River near Jensen, UT                                | 326   | 332 | 354   | 404   | 344   |
| 09261700 | Big Brush Creek above Red Fleet Reservoir, near Vernal, UT | --    | --  | --    | --    | --    |
| 09266500 | Ashley Creek near Vernal, UT                               | 81    | 59  | 71    | 99    | 72    |
| 09270500 | Dry Fork at mouth, near Dry Fork, UT                       | 311   | 128 | 170   | 700   | 172   |
| 09271500 | Ashley Creek near Jensen, UT                               | 1,410 | 675 | 1,050 | 1,710 | 1,600 |
| 09275500 | West Fork Duchesne River near Hanna, UT                    | 251   | 243 | 263   | 312   | 250   |
| 09276000 | Wolf Creek above Rhoades Canyon near Hanna, UT             | 204   | 181 | 183   | 199   | 171   |
| 09278000 | South Fork Rock Creek near Hanna, UT                       | 87    | 79  | 94    | 127   | 99    |
| 09278500 | Rock Creek near Hanna, UT                                  | --    | 28  | 33    | 38    | 28    |
| 09279000 | Rock Creek near Mountain Home, UT                          | 53    | 44  | 60    | 76    | 52    |
| 09279100 | Rock Creek near Talmage, UT                                | 87    | 73  | 105   | 142   | 88    |
| 09279150 | Duchesne River above Knight Diversion, near Duchesne, UT   | 166   | 151 | 200   | 263   | 170   |
| 09280400 | Hobble Creek at Daniels Summit, near Wallsburg, UT         | 54    | 47  | 56    | 103   | 48    |
| 09285000 | Strawberry River near Soldier Springs, UT                  | 308   | 300 | 291   | 284   | 276   |
| 09287500 | Water Hollow near Fruitland, UT                            | 244   | 247 | 283   | 312   | 326   |
| 09288000 | Currant Creek near Fruitland, UT                           | 222   | 223 | 251   | 297   | 259   |
| 09288150 | West Fork Avintaquin Creek near Fruitland, UT              | 314   | 304 | 321   | 352   | 310   |
| 09288180 | Strawberry River near Duchesne, UT                         | 417   | 391 | 450   | 519   | 437   |
| 09288900 | Sowers Creek near Duchesne, UT                             | 643   | 588 | 612   | 634   | 604   |
| 09292500 | Yellowstone River near Altonah, UT                         | 43    | 33  | 42    | 53    | 43    |
| 09295000 | Duchesne River at Myton, UT                                | 464   | 389 | 601   | 972   | 513   |
| 09297000 | Uinta River near Neola, UT                                 | 43    | 38  | 41    | 42    | 40    |
| 09298000 | Farm Creek near Whiterocks, UT                             | 185   | 129 | 155   | 216   | 169   |
| 09299500 | Whiterocks River near Whiterocks, UT                       | 59    | 44  | 51    | 56    | 48    |
| 09302000 | Duchesne River near Randlett, UT                           | 711   | 523 | 832   | 1,370 | 727   |
| 09303000 | North Fork White River at Burford, CO                      | --    | --  | --    | 221   | 152   |
| 09303300 | South Fork White River at Budes Resort, CO                 | --    | --  | --    | --    | --    |
| 09303400 | South Fork White River near Budes Resort, CO               | --    | --  | --    | --    | --    |
| 09303500 | South Fork White River near Buford, CO                     | --    | --  | --    | --    | --    |
| 09304000 | South Fork White River at Buford, CO                       | --    | --  | --    | 167   | 132   |
| 09304200 | White River above Coal Creek, near Meeker, CO              | 188   | 184 | 202   | 254   | 180   |
| 09304500 | White River near Meeker, CO                                | --    | --  | --    | --    | --    |
| 09304800 | White River below Meeker, CO                               | 311   | 294 | 342   | 445   | 283   |

|          |   |       |        |       |        |        |
|----------|---|-------|--------|-------|--------|--------|
| 09306007 | Piceance Creek below Rio Blanco, CO                                   | --    | 609    | 654   | 708    | 660    |
| 09306022 | Stewart Gulch above West Fork, near Rio Blanco, CO                    | --    | 930    | 924   | 922    | 914    |
| 09306058 | Willow Creek near Rio Blanco, CO                                      | --    | --     | 839   | 857    | 859    |
| 09306200 | Piceance Creek below Ryan Gulch, near Rio Blanco, CO                  | 965   | 972    | 984   | 1,110  | 1,040  |
| 09306222 | Piceance Creek at White River, CO                                     | 1,300 | 1,330  | 1,390 | 1,620  | 1,500  |
| 09306235 | Corral Gulch below Water Gulch, near Rangely, CO                      | --    | 730    | 739   | 663    | 796    |
| 09306242 | Corral Gulch near Rangely, CO   | --    | 855    | 797   | 826    | 935    |
| 09306255 | Yellow Creek near White River, CO                                     | --    | --     | --    | --     | --     |
| 09306290 | White River below Boise Creek, near Rangely, CO                       | --    | --     | --    | --     | --     |
| 09306410 | Evacuation Creek above Missouri Creek, near Dragon, UT                | --    | 2,170  | 1,960 | 2,380  | 2,260  |
| 09306430 | Evacuation Creek near mouth, near Watson, UT                          | --    | 2,370  | 2,130 | 2,040  | 2,220  |
| 09306500 | White River near Watson, UT   | --    | --     | --    | --     | --     |
| 09306800 | Bitter Creek near Bonanza, UT   | 4,440 | 4,590  | 4,650 | 5,360  | 6,630  |
| 09306850 | Bitter Creek at mouth, near Bonanza, UT                               | --    | 10,500 | 9,720 | 13,000 | 14,000 |
| 09306900 | White River at mouth, near Ouray, UT                                  | --    | 412    | 460   | 560    | 407    |
| 09307200 | Pariette Draw near Ouray, UT  | --    | --     | 2,230 | 2,340  | 2,280  |
| 09307300 | Pariette Draw at mouth, near Ouray, UT                                | --    | --     | 2,170 | 2,320  | 2,440  |
| 09307500 | Willow Creek above diversions, near Ouray, UT                         | --    | 443    | 454   | 467    | 461    |
| 09308000 | Willow Creek near Ouray, UT   | --    | 978    | 1,010 | 1,170  | 1,160  |
| 09308500 | Minnie Maud Creek near Myton, UT                                      | 577   | 496    | 541   | 596    | 508    |
| 09310000 | Gooseberry Creek near Scofield, UT                                    | 266   | 264    | 255   | 221    | 271    |
| 09310500 | Fish Creek above reservoir, near Scofield, UT                         | 173   | 173    | 183   | 198    | 182    |
| 09312600 | White River below Tabbyune Creek, near Soldier Summit, UT             | 440   | 438    | 463   | 499    | 456    |
| 09312700 | Beaver Creek near Soldier Summit, UT                                  | 303   | 289    | 329   | 369    | 327    |
| 09312800 | Willow Creek near Castle Gate, UT                                     | 582   | 509    | 610   | 673    | 569    |
| 09314250 | Price River below Miller Creek, near Wellington, UT                   | 2,230 | 1,430  | 2,180 | 2,420  | 1,860  |
| 09314280 | Desert Seep Wash near Wellington, UT                                  | 4,260 | 3,360  | 3,760 | 4,240  | 4,180  |
| 09315000 | Green River at Green River, UT  | 444   | 430    | 489   | 567    | 460    |
| 09324500 | Cottonwood Creek near Orangeville, UT                                 | --    | --     | 231   | 255    | 230    |
| 09326500 | Ferron Creek (upper station) near Ferron, UT                          | 356   | 331    | 377   | 425    | 344    |
| 09328000 | San Rafael River near Castle Dale, UT                                 | 2,750 | 1,890  | 2,800 | 3,400  | 2,100  |
| 09328100 | San Rafael River at San Rafael Bridge Campground, near Carbondale, UT | --    | --     | 2,760 | 3,290  | 2,190  |
| 09328500 | San Rafael River near Green River, UT                                 | 2,540 | 1,660  | 2,810 | 2,840  | 1,830  |
| 09329050 | Seven Mile Creek near Fish Lake, UT                                   | 87    | 87     | 90    | 95     | 87     |
| 09330000 | Fremont River near Bicknell, UT                                       | --    | --     | --    | 349    | 355    |
| 09330230 | Fremont River near Caineville, UT                                     | 429   | 436    | 449   | 450    | 463    |
| 09332100 | Muddy Creek below I-70, near Emery, UT                                | 1,110 | 1,000  | 1,350 | 1,760  | 955    |
| 09332700 | Muddy Creek at Delta Mine, near Hanksville, UT                        | --    | --     | 2,430 | 1,650  | 1,810  |
| 09333500 | Dirty Devil River above Poison Spring Wash, near Hanksville, UT       | 1,320 | 1,400  | 1,380 | 1,400  | 1,370  |
| 09337000 | Pine Creek near Escalante, UT   | 195   | 186    | 197   | 254    | 213    |

|           |  |       |       |       |       |       |
|-----------|--|-------|-------|-------|-------|-------|
| 09337500  | Escalante River near Escalante, UT                                 | 791   | 811   | 759   | 970   | 1,100 |
| 09339900  | East Fork San Juan River above Sand Creek, near Pagosa Springs, CO | --    | --    | --    | --    | --    |
| 09342500  | San Juan River at Pagosa Springs, CO                               | --    | --    | --    | --    | --    |
| 09346000  | Navajo River at Edith, CO  | --    | --    | --    | --    | --    |
| 09346400  | San Juan River near Carracas, CO                                   | --    | --    | --    | --    | --    |
| 09349800  | Piedra River near Arboles, CO                                      | --    | --    | --    | --    | --    |
| 09352900  | Vallecito Creek near Bayfield, CO                                  | 36    | 31    | 34    | 37    | 34    |
| 09354500  | Los Pinos River at La Boca, CO                                     | --    | --    | --    | --    | --    |
| 09355000  | Spring Creek at La Boca, CO  | --    | --    | --    | --    | --    |
| 09355500  | San Juan River near Archuleta, NM                                  | 157   | 186   | 155   | 162   | 188   |
| 09359020  | Animas River below Silverton, CO                                   | --    | --    | --    | --    | --    |
| 09361500  | Animas River at Durango, CO  | --    | --    | --    | --    | --    |
| 09363500  | Animas River near Cedar Hill, NM                                   | --    | --    | --    | --    | --    |
| 09364500  | Animas River at Farmington, NM                                     | 353   | 229   | 300   | 439   | 259   |
| 09367561  | Shumway Arroyo near Waterflow, NM                                  | --    | 6,390 | 5,020 | 5,020 | 4,880 |
| 09367950  | Chaco River near Waterflow, NM                                     | --    | --    | 1,600 | 1,340 | 1,280 |
| 09368000  | San Juan River at Shiprock, NM                                     | 400   | 319   | 388   | 461   | 388   |
| 09371000  | Mancos River near Towaoc, CO                                       | --    | --    | --    | --    | --    |
| 09371010  | San Juan River at Four Corners, CO                                 | --    | --    | --    | --    | 431   |
| 09371492  | Mud Creek at State Highway 32, near Cortez, CO                     | --    | --    | --    | --    | --    |
| 09371500  | McElmo Creek near Cortez, CO                                       | --    | --    | --    | --    | --    |
| 09371520  | McElmo Creek above Trail Canyon, near Cortez, CO                   | --    | --    | --    | --    | --    |
| 09372000  | McElmo Creek near Colorado-Utah state line                         | --    | --    | --    | --    | 2,630 |
| 09378200  | Montezuma Creek at golf course at Monticello, UT                   | --    | --    | --    | --    | --    |
| 09378630  | Recapture Creek near Blanding, UT                                  | 133   | 111   | 124   | 165   | 121   |
| 09378650  | Recapture Creek below Johnson Creek, near Blanding, UT             | --    | --    | --    | --    | 143   |
| 09378700  | Cottonwood Wash near Blanding, UT                                  | 521   | 406   | 465   | 374   | 377   |
| 09379500  | San Juan River near Bluff, UT                                      | 516   | 385   | 494   | 611   | 509   |
| 09380000  | Colorado River at Lees Ferry, AZ                                   | 542   | 527   | 536   | 555   | 597   |
| 09383400  | Little Colorado River at Greer, AZ                                 | --    | --    | 60    | 64    | 61    |
| 09384000  | Little Colorado River above Lyman Lake, near St. Johns, AZ         | --    | --    | 218   | 258   | 198   |
| 09386950  | Zuni River above Black Rock Reservoir, NM                          | --    | --    | --    | --    | --    |
| 09403600  | Kanab Creek near Kanab, UT   | --    | --    | --    | --    | --    |
| 09404450  | East Fork Virgin River near Glendale, UT                           | 296   | 294   | 291   | 285   | 298   |
| 09406000  | Virgin River at Virgin, UT   | --    | --    | --    | --    | --    |
| 09409880  | Santa Clara River at Gunlock, UT                                   | 208   | 214   | 226   | 252   | 199   |
| 09415000  | Virgin River at Littlefield, AZ                                    | 1,940 | 1,760 | 1,950 | 2,030 | 1,140 |
| 09419515  | Muddy River above Lake Mead, near Overton, NV                      | --    | --    | --    | --    | --    |
| 094196783 | Las Vegas Wash below Flamingo Wash confluence, near Las Vegas, NV  | --    | --    | --    | --    | --    |
| 09419800  | Las Vegas Wash below Lake Las Vegas, near Boulder City, NV         | 3,240 | 3,070 | 2,900 | 2,760 | 2,600 |
| 09421500  | Colorado River below Hoover Dam, AZ-NV                             | 684   | 679   | 676   | 670   | 677   |

|          |   |       |       |       |       |     |
|----------|---|-------|-------|-------|-------|-----|
| 09424150 | Colorado River Aqueduct near Parker Dam, AZ-CA                            | --    | --    | --    | --    | --  |
| 09426600 | Bill Williams River near Planet, AZ                                       | --    | --    | --    | --    | --  |
| 09426650 | Central Arizona Project Canal at Havasu Pumping Plant                     | --    | --    | --    | --    | --  |
| 09427520 | Colorado River below Parker Dam, AZ-CA                                    | 708   | 698   | 690   | 686   | 688 |
| 09429490 | Colorado River above Imperial Dam, AZ-CA                                  | --    | --    | --    | 826   | 825 |
| 09430600 | Mogollon Creek near Cliff, NM   | 77    | 64    | 65    | 72    | 58  |
| 09431500 | Gila River near Bedrock, NM   | 251   | 176   | 208   | 229   | 166 |
| 09444000 | San Francisco River near Glenwood, NM                                     | 254   | 193   | 221   | 227   | 188 |
| 09444600 | San Francisco River near Clifton, AZ                                      | --    | --    | 415   | 701   | 375 |
| 09448500 | Gila River at head of Safford Valley, near Solomon, AZ                    | --    | --    | 334   | 480   | 301 |
| 09466500 | Gila River at Calva, AZ   | --    | 946   | 1,580 | 1,590 | 839 |
| 09471000 | San Pedro River at Charleston, AZ   | --    | --    | --    | 27    | 288 |
| 09474000 | Gila River at Kelvin, AZ  | 703   | 737   | 810   | 995   | 700 |
| 09498400 | Pinal Creek at Inspiration Dam, near Globe, AZ                            | --    | --    | --    | --    | --  |
| 09498500 | Salt River near Roosevelt, AZ   | --    | --    | 627   | 1,420 | 355 |
| 09499000 | Tonto Creek above Gun Creek, near Roosevelt, AZ                           | --    | --    | 118   | 245   | 116 |
| 09502000 | Salt River below Stewart Mountain Dam, AZ                                 | 401   | 532   | 632   | 749   | 582 |
| 09504000 | Verde River near Clarkdale, AZ  | --    | --    | 140   | 276   | 108 |
| 09504440 | Oak Creek at Red Rock Crossing, near Sedona, AZ                           | --    | --    | --    | --    | --  |
| 09505800 | West Clear Creek near Camp Verde, AZ                                      | --    | --    | --    | --    | --  |
| 09507980 | East Verde River near Childs, AZ  | --    | --    | --    | --    | --  |
| 09508300 | Wet Bottom Creek near Childs, AZ  | 67    | 64    | 43    | 122   | 31  |
| 09508500 | Verde River below Tangle Creek, above Horseshoe Dam, AZ                   | --    | --    | --    | --    | --  |
| 09510000 | Verde River below Bartlett Dam, AZ  | 307   | 330   | 259   | 368   | 229 |
| 09512800 | Agua Fria River near Rock Springs, AZ                                     | --    | --    | --    | --    | --  |
| 09518000 | Gila River above diversions, at Gillespie Dam, AZ                         | 3,630 | 3,290 | 3,230 | 3,010 | 667 |
| 09520500 | Gila River near Dome, AZ  | --    | --    | --    | --    | --  |
| 09522000 | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 969   | 963   | 947   | 928   | 921 |
| 09527500 | All-American Canal below Pilot Knob Wasteway, CA                          | 837   | 834   | 826   | 827   | 820 |
| 10010400 | East Fork Bear River near Evanston, WY                                    | 54    | 49    | 61    | 65    | 51  |
| 10011500 | Bear River near Utah-Wyoming state line                                   | 148   | 144   | 146   | 151   | 148 |
| 10015700 | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY  | 289   | 294   | 300   | 354   | 300 |
| 10015900 | Sulphur Creek below reservoir, near Evanston, WY                          | 301   | 294   | 309   | 291   | 299 |
| 10020100 | Bear River above reservoir, near Woodruff, UT                             | 182   | 174   | 207   | 244   | 188 |
| 10020300 | Bear River below reservoir, near Woodruff, UT                             | 235   | 211   | 251   | 237   | 212 |
| 10026500 | Bear River near Randolph, UT  | 331   | 341   | 341   | 433   | 379 |
| 10032000 | Smiths Fork near Border, WY   | 187   | 187   | 188   | 213   | 185 |
| 10038000 | Bear River below Smiths Fork, near Cokeville, WY                          | 310   | 292   | 294   | 338   | 303 |



|          |   |       |       |       |       |       |
|----------|---|-------|-------|-------|-------|-------|
| 10039500 | Bear River at Border, WY  | 323   | 316   | 309   | 344   | 311   |
| 10041000 | Thomas Fork near Wyoming-Idaho state line                               | 460   | 421   | 409   | 686   | 349   |
| 10068500 | Bear River at Pescadero, ID   | 357   | 337   | 326   | 403   | 335   |
| 10092700 | Bear River at Idaho-Utah state line                                     | 749   | 465   | 435   | 666   | 584   |
| 10093000 | Cub River near Preston, ID  | 139   | 140   | 145   | 159   | 144   |
| 10099000 | High Creek near Richmond, UT  | --    | --    | --    | --    | --    |
| 10104700 | Little Bear River below Davenport Creek, near Avon, UT                  | 172   | 173   | 182   | 220   | 173   |
| 10106000 | Little Bear River near Paradise, UT                                     | 223   | 218   | 230   | 279   | 205   |
| 10109000 | Logan River above State Dam, near Logan, UT                             | 190   | 186   | 189   | 212   | 180   |
| 10113500 | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT | 193   | 196   | 200   | 225   | 203   |
| 10118000 | Bear River near Collinston, UT  | 383   | 388   | 376   | 434   | 384   |
| 10125500 | Malad River at Woodruff, ID   | 1,860 | 1,850 | 1,710 | 2,160 | 1,960 |
| 10125600 | Malad River near Plymouth, UT   | 2,180 | 2,080 | 1,790 | 2,700 | 2,350 |
| 10126000 | Bear River near Corinne, UT   | 633   | 638   | 587   | 822   | 702   |
| 10126180 | Sulphur Creek near Corinne, UT  | 2,100 | 1,900 | 1,850 | 1,990 | 2,010 |
| 10128500 | Weber River near Oakley, UT   | 103   | 96    | 112   | 145   | 99    |
| 10130500 | Weber River near Coalville, UT  | 188   | 182   | 209   | 217   | 186   |
| 10131000 | Chalk Creek at Coalville, UT  | 238   | 252   | 283   | 369   | 285   |
| 10134500 | East Canyon Creek near Morgan, UT                                       | --    | 275   | 283   | 290   | 291   |
| 10136500 | Weber River at Gateway, UT  | 240   | 232   | 265   | 306   | 247   |
| 10137500 | South Fork Ogden River near Huntsville, UT                              | 150   | 148   | 163   | 200   | 153   |
| 10139300 | Wheeler Creek near Huntsville, UT                                       | 165   | 148   | 166   | 186   | 159   |
| 10141000 | Weber River near Plain City, UT   | 267   | 253   | 302   | 417   | 276   |
| 10146000 | Salt Creek at Nephi, UT   | 484   | 398   | 519   | 684   | 385   |
| 10146400 | Currant Creek near Mona, UT   | --    | --    | --    | --    | --    |
| 10148200 | Tie Fork near Soldier Summit, UT  | 373   | 355   | 331   | 363   | 346   |
| 10150500 | Spanish Fork at Castilla, UT  | 282   | 284   | 317   | 339   | 338   |
| 10152000 | Spanish Fork near Lake Shore, UT  | 462   | 390   | 448   | 486   | 392   |
| 10154200 | Provo River near Woodland, UT   | 74    | 68    | 80    | 116   | 69    |
| 10155000 | Provo River near Hailstone, UT  | 95    | 91    | 99    | 141   | 101   |
| 10159500 | Provo River below Deer Creek Dam, UT                                    | 221   | 214   | 228   | 249   | 220   |
| 10163000 | Provo River at Provo, UT  | 251   | 238   | 251   | 266   | 249   |
| 10164500 | American Fork above upper powerplant, near American Fork, UT            | 204   | 179   | 216   | 258   | 186   |
| 10171000 | Jordan River at 1700 South at Salt Lake City, UT                        | 966   | 918   | 915   | 1,090 | 1,020 |
| 10172200 | Red Butte Creek at Fort Douglas, near Salt Lake City, UT                | 320   | 312   | 363   | 396   | 334   |
| 10172700 | Vernon Creek near Vernon, UT  | 258   | 243   | 253   | 244   | 227   |
| 10172800 | South Willow Creek near Grantsville, UT                                 | --    | --    | 151   | 171   | 152   |
| 10172805 | North Willow Creek near Grantsville, UT                                 | --    | --    | --    | --    | --    |
| 10172870 | Trout Creek near Callao, UT   | 46    | 44    | 46    | 44    | 50    |
| 10172952 | Dunn Creek near Park Valley, UT   | --    | --    | --    | --    | 99    |
| 10173450 | Mammoth Creek above West Hatch Ditch, near Hatch, UT                    | 121   | 111   | 117   | 140   | 111   |
| 10174500 | Sevier River at Hatch, UT   | 193   | 186   | 196   | 216   | 187   |
| 10176300 | Panguitch Creek near Panguitch, UT                                      | 127   | 117   | 116   | 124   | 124   |

|          |  |       |       |       |       |       |
|----------|--|-------|-------|-------|-------|-------|
| 10180000 | Sevier River near Circleville, UT                                | 260   | 261   | 265   | 282   | 258   |
| 10183500 | Sevier River near Kingston, UT                                   | 303   | 310   | 310   | 322   | 305   |
| 10187300 | Otter Creek near Koosharem, UT                                   | 68    | 69    | 73    | 76    | 71    |
| 10191500 | Sevier River below Piute Dam, near Marysvale, UT                 | 301   | 294   | 287   | 287   | 285   |
| 10208500 | Oak Creek near Fairview, UT                                      | 282   | 217   | 203   | 261   | 251   |
| 10219000 | Sevier River near Juab, UT                                       | 1,160 | 1,270 | 1,240 | 1,250 | 1,330 |
| 10219200 | Chicken Creek near Levan, UT                                     | 379   | 387   | 418   | 459   | 386   |
| 10224000 | Sevier River near Lynndyl, UT                                    | 1,090 | 1,090 | 1,080 | 1,150 | 1,110 |
| 10237000 | Beaver River at Adamsville, UT                                   | 308   | 312   | 291   | 301   | 239   |
| 10241470 | Center Creek above Parowan Creek, near Parowan, UT               | 195   | 181   | 191   | 204   | 183   |
| 10242000 | Coal Creek near Cedar City, UT                                   | 311   | 272   | 308   | 368   | 256   |
| 10244950 | Steptoe Creek near Ely, NV                                       | 175   | 184   | 178   | 176   | 189   |
| 10249300 | South Twin River near Round Mountain, NV                         | 84    | 76    | 84    | 82    | 78    |
| 10249900 | Chiatovich Creek near Dyer, NV                                   | --    | 46    | 49    | 50    | 48    |
| 10254670 | Alamo River at drop 3, near Calipatria, CA                       | --    | --    | --    | --    | --    |
| 10254970 | New River at International Boundary, at Calexico, CA             | --    | --    | --    | --    | --    |
| 10256500 | Snow Creek near White Water, CA                                  | --    | 78    | 66    | 75    | 59    |
| 10261500 | Mojave River at Lower Narrows, near Victorville, CA              | 368   | 344   | 305   | 273   | 137   |
| 10265150 | Hot Creek at Flume, near Mammoth Lakes, CA                       | --    | --    | --    | --    | --    |
| 10277400 | Owens River below Tinemaha Reservoir, near Big Pine, CA          | --    | 173   | 187   | 214   | 191   |
| 10293000 | East Walker River near Bridgeport, CA                            | 218   | 186   | 179   | 175   | 129   |
| 10296500 | West Walker River near Coleville, CA                             | --    | --    | --    | 78    | 39    |
| 10297500 | West Walker River at Hoye Bridge, near Wellington, CA            | --    | --    | --    | 146   | 89    |
| 10301500 | Walker River near Wabuska, NV                                    | 263   | 238   | 331   | 354   | 291   |
| 10309000 | East Fork Carson River near Gardnerville, NV                     | --    | --    | --    | --    | 67    |
| 10310000 | West Fork Carson River at Woodfords, CA                          | 49    | 45    | 57    | 60    | 44    |
| 10311000 | Carson River near Carson City, NV                                | --    | --    | --    | 277   | 123   |
| 10311100 | Kings Canyon Creek near Carson City, NV                          | --    | --    | --    | 94    | 79    |
| 10311200 | Ash Canyon Creek near Carson City, NV                            | --    | --    | --    | 67    | 60    |
| 10312000 | Carson River near Fort Churchill, NV                             | 121   | 116   | 223   | 333   | 130   |
| 10312150 | Carson River below Lahontan Reservoir, near Fallon, NV           | --    | --    | --    | 293   | 199   |
| 10321000 | Humboldt River near Carlin, NV                                   | --    | --    | --    | 302   | 276   |
| 10322500 | Humboldt River at Palisade, NV                                   | --    | --    | --    | 297   | 264   |
| 10324500 | Rock Creek near Battle Mountain, NV                              | --    | --    | --    | 242   | 155   |
| 10335000 | Humboldt River near Rye Patch, NV                                | 562   | 556   | 543   | 722   | 586   |
| 10336580 | Upper Truckee River at South Upper Truckee Road, near Meyers, CA | --    | --    | --    | --    | --    |
| 10336610 | Upper Truckee River at South Lake Tahoe, CA                      | --    | --    | --    | --    | --    |
| 10336645 | General Creek near Meeks Bay, CA                                 | --    | --    | --    | --    | --    |
| 10336676 | Ward Creek at Highway 89, near Tahoe Pines, CA                   | --    | --    | --    | --    | --    |

|          |   |     |       |       |       |     |
|----------|---|-----|-------|-------|-------|-----|
| 10336698 | Third Creek near Crystal Bay, NV                            | --  | --    | --    | --    | --  |
| 10336700 | Incline Creek near Crystal Bay, NV                          | --  | --    | --    | --    | --  |
| 10336775 | Trout Creek at Pioneer Trail, near South Lake Tahoe, CA     | --  | --    | --    | --    | --  |
| 10343500 | Sagehen Creek near Truckee, CA                              | --  | --    | --    | --    | --  |
| 10346000 | Truckee River at Farad, CA                                  | 55  | 55    | 63    | 72    | 61  |
| 10351700 | Truckee River near Nixon, NV                                | 106 | 112   | 170   | 333   | 204 |
| 10352500 | McDermitt Creek near McDermitt, NV                          | --  | 145   | 172   | 204   | 157 |
| 11042000 | San Luis Rey River at Oceanside, CA                         | --  | --    | --    | --    | 522 |
| 11066460 | Santa Ana River at Metropolitan Water District Crossing, CA | 547 | 628   | 541   | 619   | 245 |
| 11074000 | Santa Ana River below Prado Dam, CA                         | 489 | 567   | 476   | 631   | 511 |
| 11103000 | Los Angeles River at Long Beach, CA                         | 191 | 226   | 301   | 242   | 127 |
| 11108500 | Santa Clara River at Los Angeles-Ventura County Line, CA    | 958 | 1,120 | 1,250 | 1,180 | 649 |

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**g sites in the Southwestern United States, 1974-2003.**

s are water years from October 1 to September 30; "--" data not available; USGS, U.S. Geological Survey]

| 1979  | 1980  | 1981  | 1982  | 1983  | 1984  | 1985  | 1986  | 1987  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| --    | --    | --    | --    | --    | 46    | 45    | 44    | 43    |
| 128   | 143   | 216   | 160   | 157   | 162   | 131   | 139   | 129   |
| 108   | 117   | 174   | 133   | 137   | 153   | 140   | 174   | 192   |
| 99    | 125   | 181   | 143   | 126   | 137   | 131   | 144   | 148   |
| 151   | 211   | 302   | 250   | 192   | 208   | 174   | 178   | 155   |
| --    | --    | --    | --    | --    | --    | --    | 75    | 75    |
| --    | --    | --    | --    | --    | --    | --    | 218   | 209   |
| 130   | 147   | 202   | 166   | 155   | 161   | 142   | 153   | 145   |
| 125   | 133   | 226   | 170   | 137   | 130   | 128   | 146   | 138   |
| --    | --    | --    | --    | --    | --    | --    | 73    | 74    |
| 220   | 200   | 246   | 213   | 194   | 198   | 200   | 201   | --    |
| 224   | 214   | 286   | 362   | 197   | 303   | 214   | 192   | --    |
| 210   | 202   | 230   | 194   | 189   | 189   | 194   | 198   | 193   |
| 191   | 184   | 222   | 209   | 187   | 190   | 198   | 196   | 209   |
| --    | --    | 358   | 340   | 245   | 332   | 216   | 287   | 267   |
| 177   | 184   | 226   | 195   | 183   | 185   | 179   | 184   | 184   |
| --    | --    | 283   | 216   | 145   | 194   | 132   | 206   | 151   |
| 365   | 372   | 548   | 429   | 354   | 427   | 357   | 446   | 406   |
| --    | --    | 262   | 255   | 220   | 230   | 203   | 194   | 229   |
| 290   | 293   | 372   | 349   | 278   | 295   | 305   | 267   | 272   |
| 1,530 | 1,460 | 1,260 | 1,180 | 1,580 | 1,370 | 1,490 | 1,320 | 1,410 |
| 1,170 | 662   | 972   | 513   | 750   | 542   | --    | --    | --    |
| 455   | 321   | 391   | 583   | 434   | 349   | 367   | 406   | 348   |
| 332   | 337   | 486   | 502   | 456   | 468   | 373   | 313   | 320   |
| 698   | 713   | 731   | 741   | 745   | 722   | 736   | 571   | 474   |
| 135   | 175   | 191   | 192   | 152   | 166   | 135   | 159   | --    |
| 1,030 | 1,000 | 1,010 | 1,000 | 990   | 979   | 965   | 954   | 947   |
| --    | --    | --    | --    | --    | 31    | 33    | 31    | 36    |
| --    | --    | --    | --    | --    | --    | --    | 35    | 41    |
| --    | --    | --    | --    | 27    | 28    | 47    | 41    | 46    |
| --    | --    | --    | --    | --    | 22    | 28    | 26    | 28    |
| --    | --    | --    | --    | --    | 24    | 28    | 27    | 30    |
| --    | --    | --    | --    | --    | 45    | 48    | 47    | 49    |
| --    | --    | --    | --    | --    | 20    | 24    | 24    | 25    |
| --    | --    | --    | --    | --    | 21    | 22    | 22    | 22    |
| --    | --    | --    | --    | --    | 54    | 69    | 64    | 78    |
| 73    | 72    | 85    | 78    | 63    | 59    | 72    | 68    | 82    |
| --    | --    | --    | --    | --    | 23    | 26    | 23    | 26    |

|    |    |    |    |    |     |     |     |     |
|----|----|----|----|----|-----|-----|-----|-----|
| -- | -- | -- | -- | -- | 24  | 27  | 25  | 28  |
| -- | -- | -- | -- | -- | 24  | 27  | 26  | 29  |
| -- | -- | -- | -- | -- | 28  | 32  | 31  | 35  |
| -- | -- | -- | -- | -- | 31  | 36  | 34  | 39  |
| -- | -- | -- | -- | -- | 29  | 33  | 32  | 37  |
| -- | -- | -- | -- | -- | 45  | 53  | 50  | 59  |
| -- | -- | -- | -- | -- | 65  | 69  | 71  | 73  |
| -- | -- | -- | -- | -- | 47  | 50  | 48  | 52  |
| -- | -- | -- | -- | -- | 305 | 327 | 320 | 410 |
| -- | -- | -- | -- | -- | 49  | 55  | 59  | 60  |
| -- | -- | -- | -- | -- | 65  | 68  | 71  | 72  |
| -- | -- | -- | -- | -- | 36  | 40  | 40  | 45  |
| -- | -- | -- | -- | -- | 35  | 38  | 38  | 40  |
| -- | -- | -- | -- | -- | 109 | 144 | 163 | 204 |
| -- | -- | -- | -- | -- | 102 | 112 | 112 | 121 |
| -- | -- | -- | -- | -- | --  | --  | --  | 63  |
| -- | -- | -- | -- | -- | 25  | 27  | 26  | 29  |
| -- | -- | -- | -- | -- | 24  | 25  | 25  | 27  |
| -- | -- | -- | -- | -- | 25  | 27  | 26  | 28  |
| -- | -- | -- | -- | -- | 16  | 21  | 24  | 28  |
| -- | -- | -- | -- | -- | 25  | 27  | 27  | 29  |
| -- | -- | -- | -- | -- | 92  | 94  | 95  | 96  |
| -- | -- | -- | -- | -- | 115 | 133 | 130 | 146 |
| -- | -- | -- | -- | -- | 24  | 26  | 25  | 27  |
| -- | -- | -- | -- | -- | 150 | 170 | 182 | 203 |
| -- | -- | -- | -- | -- | 66  | 74  | 78  | 91  |
| -- | -- | -- | -- | -- | 38  | 39  | 33  | 38  |
| -- | -- | -- | -- | -- | 94  | 105 | 107 | 125 |
| -- | -- | -- | -- | -- | --  | 60  | 58  | 66  |
| -- | -- | -- | -- | -- | 157 | 153 | 144 | 166 |
| -- | -- | -- | -- | -- | 79  | 93  | 93  | 98  |
| -- | -- | -- | -- | -- | 122 | 135 | 131 | 144 |
| -- | -- | -- | -- | -- | 119 | 127 | 132 | 140 |
| -- | -- | -- | -- | -- | 17  | 18  | 16  | 19  |
| -- | -- | -- | -- | -- | 17  | 20  | 18  | 21  |
| -- | -- | -- | -- | -- | 21  | 23  | 21  | 23  |
| -- | -- | -- | -- | -- | --  | --  | --  | --  |
| -- | -- | -- | -- | -- | 17  | 19  | 18  | 21  |
| -- | -- | -- | -- | -- | 21  | 23  | 25  | 25  |
| -- | -- | -- | -- | -- | 42  | 50  | 57  | 69  |
| -- | -- | -- | -- | -- | 23  | 25  | 26  | 28  |
| -- | -- | -- | -- | -- | 29  | 31  | 34  | 37  |

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| --  | --  | --  | --  | --  | 41  | 46  | 45  | 46  |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | 34  | 36  | 37  | 41  |
| 78  | 96  | 109 | 87  | 72  | 78  | 98  | 101 | 116 |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | 207 | 263 | 261 | 337 |
| 194 | 203 | 260 | 219 | 168 | 153 | 188 | 186 | 237 |
| --  | --  | --  | --  | --  | 139 | 131 | 122 | 128 |
| --  | --  | --  | --  | --  | 21  | 24  | 29  | 25  |
| --  | --  | --  | --  | --  | 25  | 29  | 35  | 30  |
| --  | --  | --  | --  | --  | 28  | 29  | 28  | 26  |
| --  | --  | --  | --  | --  | 130 | 144 | 150 | 156 |
| --  | --  | --  | --  | --  | 222 | 213 | 200 | 239 |
| --  | --  | --  | --  | --  | 132 | 134 | 134 | 135 |
| --  | --  | --  | --  | --  | 138 | 148 | 148 | 176 |
| 227 | 240 | 326 | 250 | 213 | 190 | 212 | 218 | 248 |
| --  | 359 | 530 | 377 | 281 | 241 | 291 | 286 | 375 |
| --  | --  | --  | --  | --  | 150 | 152 | 148 | 146 |
| 363 | 397 | 543 | 485 | 406 | 420 | 420 | 465 | --  |
| 347 | 367 | 527 | 388 | 288 | 258 | 312 | 319 | 414 |
| 370 | 383 | 584 | 419 | 298 | 265 | 320 | 327 | 435 |
| --  | --  | --  | --  | --  | --  | --  | 259 | 286 |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | 49  | 50  | 50  | 52  |
| --  | --  | --  | --  | --  | 66  | 69  | 68  | 71  |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | 110 | 122 | 120 | 132 |
| --  | --  | --  | --  | --  | 97  | 101 | 101 | 106 |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | 92  | 112 | 118 | 110 |
| --  | --  | --  | --  | --  | 132 | 147 | 155 | 147 |
| --  | --  | --  | --  | --  | 72  | 74  | 77  | 74  |
| --  | --  | --  | --  | --  | 54  | 57  | 58  | 59  |
| --  | --  | --  | --  | --  | 108 | 111 | 112 | 113 |
| --  | --  | --  | --  | --  | 84  | 79  | 76  | 70  |
| 75  | 76  | 85  | 81  | 77  | 76  | 80  | 83  | 87  |
| --  | --  | --  | --  | --  | --  | --  | 246 | 244 |
| --  | --  | --  | --  | --  | 314 | 340 | 312 | 307 |

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| --    | --    | --    | --    | --    | 73    | 73    | 69    | 72    |
| --    | --    | --    | --    | --    | 80    | 81    | 79    | 84    |
| --    | --    | --    | --    | --    | 321   | 345   | 358   | 383   |
| --    | --    | --    | --    | --    | 248   | 277   | 284   | 299   |
| --    | --    | --    | --    | --    | 323   | 342   | 390   | 368   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | 264   | 293   | 311   | 310   |
| 1,040 | 1,100 | 1,280 | 1,000 | 808   | 697   | 852   | 928   | 877   |
| 445   | 451   | 714   | 543   | 381   | 339   | 378   | 405   | 438   |
| --    | --    | --    | --    | --    | 1,090 | 1,140 | 1,080 | 1,170 |
| 1,430 | 1,380 | 1,250 | 1,220 | 1,290 | --    | --    | --    | --    |
| 1,360 | 1,350 | 1,540 | 1,410 | 1,260 | --    | --    | --    | --    |
| 465   | 483   | 753   | 544   | 375   | 333   | 395   | 406   | 503   |
| --    | --    | --    | --    | --    | 102   | 109   | 108   | 110   |
| --    | --    | --    | --    | --    | 118   | 122   | 124   | 123   |
| --    | --    | --    | --    | --    | --    | 47    | 50    | 51    |
| --    | 224   | 441   | 288   | 230   | 254   | 274   | 285   | 280   |
| --    | 338   | 2,140 | 637   | 359   | 481   | 542   | 622   | 550   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 297   | 320   | 545   | 363   | 279   | 272   | 295   | 338   | 297   |
| 426   | 436   | 1,370 | 632   | 385   | 407   | 447   | 528   | 471   |
| 466   | 478   | 846   | 568   | 378   | 346   | 404   | 428   | 495   |
| 512   | 504   | 499   | 494   | 504   | 495   | 510   | 508   | 502   |
| 138   | 126   | 155   | 154   | 111   | 115   | 134   | 136   | 134   |
| 87    | 80    | 94    | 68    | 71    | 76    | 89    | 63    | --    |
| 207   | 192   | 216   | 180   | 185   | 194   | 210   | 177   | 206   |
| 245   | 222   | 248   | 201   | 199   | 208   | 223   | 191   | 222   |
| 36    | 32    | 36    | 30    | --    | --    | --    | --    | --    |
| 2,370 | 1,570 | 2,570 | 2,310 | 1,400 | 1,650 | 1,820 | 1,340 | 2,040 |
| 369   | 314   | 392   | 272   | 252   | 276   | 309   | 231   | 308   |
| 1,250 | 857   | 1,120 | 1,000 | 666   | --    | --    | --    | --    |
| 727   | 576   | 829   | 628   | 525   | 556   | 677   | 540   | 749   |
| 502   | 452   | 471   | 494   | 434   | 413   | 427   | 442   | 417   |
| 111   | 100   | 125   | 109   | 92    | 96    | 107   | 96    | 88    |
| 178   | 134   | 251   | 166   | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | 248   | 258   | 272   |
| --    | --    | --    | --    | 19    | 19    | 20    | 20    | 22    |
| 84    | 82    | 107   | 77    | 75    | 71    | 86    | 87    | 103   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | 380   | 307   | 337   | 366   | 435   |
| --    | --    | --    | --    | --    | --    | 1,180 | 1,280 | 1,610 |
| --    | --    | --    | --    | --    | 1,090 | 1,220 | 1,350 | 1,500 |

|       |     |       |       |     |     |     |     |     |
|-------|-----|-------|-------|-----|-----|-----|-----|-----|
| 88    | 95  | 123   | 105   | 104 | 102 | 133 | 146 | --  |
| --    | --  | --    | --    | --  | --  | 128 | 115 | 132 |
| --    | --  | --    | --    | --  | --  | 148 | 153 | 194 |
| --    | --  | --    | --    | --  | 114 | 213 | 230 | 266 |
| 164   | 170 | 231   | 175   | 165 | 149 | 183 | 189 | 243 |
| 55    | 56  | 66    | 52    | 49  | 46  | 54  | 54  | 69  |
| --    | --  | --    | --    | --  | --  | 103 | 99  | 117 |
| 207   | 197 | 252   | 209   | 191 | 182 | 214 | 213 | 259 |
| --    | --  | --    | --    | 254 | 221 | 243 | 232 | 275 |
| 353   | 350 | 424   | 350   | 289 | 288 | 328 | 300 | 382 |
| --    | --  | --    | 233   | 156 | 172 | 179 | 155 | 167 |
| 74    | 66  | 81    | 71    | 60  | 67  | 73  | 61  | 74  |
| 181   | 137 | 228   | 158   | 112 | 173 | 208 | 127 | 195 |
| 1,260 | 750 | 1,480 | 1,050 | 531 | --  | --  | --  | --  |
| 256   | 236 | 276   | 233   | 230 | 235 | 246 | 255 | 298 |
| 177   | 168 | 181   | 171   | 177 | 195 | --  | --  | --  |
| 97    | 95  | 112   | 98    | 97  | 110 | 109 | 93  | 109 |
| 31    | 28  | 33    | 29    | 28  | 31  | 34  | 30  | 36  |
| 59    | 53  | 63    | 51    | 48  | 51  | 58  | 47  | 58  |
| 106   | 89  | 107   | 86    | 81  | 86  | 101 | 75  | 101 |
| 197   | 161 | 208   | 152   | 142 | 147 | 166 | 137 | 194 |
| 52    | 46  | 69    | 50    | 47  | 50  | --  | --  | --  |
| 268   | 259 | 253   | 245   | 238 | 232 | 227 | 219 | 213 |
| 341   | 308 | 352   | 346   | 248 | 242 | --  | --  | --  |
| 269   | 242 | 288   | 243   | 233 | 234 | 265 | 256 | 264 |
| 313   | 314 | 339   | 324   | 320 | 324 | 342 | 334 | --  |
| 431   | 399 | 487   | 410   | 363 | 365 | 424 | 398 | 448 |
| 610   | 594 | 628   | 613   | 607 | 650 | 688 | 675 | 722 |
| 45    | 39  | 47    | 38    | 32  | 38  | 43  | 33  | 37  |
| 507   | 497 | 615   | 445   | 338 | 378 | 455 | 366 | 502 |
| 41    | 39  | 41    | 39    | 37  | --  | --  | --  | --  |
| 169   | 134 | 181   | --    | --  | --  | --  | --  | --  |
| 48    | 42  | 46    | 40    | 33  | 37  | 37  | 31  | 33  |
| 679   | 615 | 805   | 561   | 372 | 443 | 571 | 424 | 527 |
| 160   | 166 | 193   | 161   | 142 | 133 | 137 | 152 | 173 |
| --    | --  | --    | --    | 90  | 90  | 92  | 91  | 96  |
| --    | --  | --    | --    | 114 | 112 | 114 | 114 | 118 |
| --    | --  | --    | --    | 127 | 128 | 129 | 129 | 135 |
| 138   | 141 | 157   | 142   | 134 | 136 | 137 | 136 | 146 |
| 181   | 189 | 224   | 184   | 171 | 163 | 173 | 173 | 201 |
| --    | --  | --    | --    | --  | 220 | 229 | 224 | 264 |
| 288   | 305 | 367   | 296   | 247 | 236 | 241 | 243 | 295 |



|        |       |       |       |       |       |       |       |       |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 622    | 641   | 737   | 741   | 602   | 614   | 615   | 642   | 712   |
| 909    | 906   | 906   | 899   | 900   | 897   | 899   | --    | --    |
| 861    | 845   | 853   | 855   | 850   | 843   | 838   | --    | --    |
| 936    | 908   | 1,030 | 1,060 | 782   | 773   | 753   | 776   | 890   |
| 1,210  | 1,180 | 1,350 | 1,400 | 901   | 919   | 877   | 905   | 1,110 |
| 737    | 680   | 691   | 741   | 937   | 1,140 | 1,110 | 1,050 | 995   |
| 954    | 908   | 1,020 | 957   | 933   | 1,050 | 1,090 | 1,090 | 1,050 |
| --     | --    | --    | --    | --    | --    | --    | --    | --    |
| --     | --    | --    | --    | 391   | 351   | 375   | 371   | 434   |
| 2,180  | 1,710 | 2,140 | 1,810 | 1,410 | --    | --    | --    | --    |
| 2,150  | 1,940 | 2,510 | --    | --    | --    | --    | --    | --    |
| --     | --    | --    | --    | --    | --    | --    | 463   | 498   |
| 5,050  | 3,720 | 3,950 | 3,540 | 2,720 | 2,790 | 2,710 | 2,630 | 2,510 |
| 11,600 | 7,140 | 7,550 | 5,960 | 3,790 | --    | --    | --    | --    |
| 405    | 431   | 538   | 461   | 419   | 426   | 496   | 546   | --    |
| 2,000  | 2,090 | 1,940 | 1,850 | 1,710 | 1,710 | --    | --    | --    |
| 2,180  | 2,300 | 2,230 | 2,060 | 1,860 | 1,770 | --    | --    | --    |
| 423    | 425   | 459   | 456   | 414   | --    | --    | --    | --    |
| 826    | 785   | 1,020 | 1,030 | 749   | --    | --    | --    | --    |
| 466    | 487   | 542   | 491   | 460   | 486   | 492   | 484   | 515   |
| 265    | 270   | 252   | 269   | 268   | 279   | 275   | 280   | 247   |
| 184    | 183   | 195   | 187   | 182   | 181   | 185   | 180   | 187   |
| 459    | 454   | 482   | 451   | 445   | 444   | 452   | 444   | 458   |
| 319    | 307   | 384   | 320   | 298   | 314   | 336   | 314   | 328   |
| 541    | 571   | 706   | 645   | 567   | 643   | 661   | 644   | 672   |
| 1,220  | 977   | 2,070 | 1,190 | 760   | 867   | 1,050 | 952   | --    |
| 3,060  | 2,770 | 3,120 | 2,870 | 2,490 | 2,430 | 2,380 | 2,460 | --    |
| 453    | 455   | 569   | 461   | 374   | 380   | 430   | 389   | 491   |
| 220    | 217   | 239   | 225   | 204   | 202   | --    | --    | --    |
| 339    | 330   | 379   | 339   | 321   | 318   | 353   | 334   | 368   |
| 1,870  | 1,420 | 2,360 | 1,560 | 1,070 | 1,040 | 1,360 | 1,190 | --    |
| 1,790  | 1,230 | 2,400 | 1,560 | 896   | 895   | 1,250 | 1,130 | --    |
| 1,770  | 1,380 | 2,300 | 1,630 | 1,090 | 1,100 | 1,460 | 1,410 | 1,880 |
| 87     | 85    | 88    | 84    | 78    | 78    | 83    | 82    | 84    |
| 356    | 358   | 354   | 352   | 341   | 334   | 331   | 343   | 331   |
| 461    | 452   | 470   | 461   | 439   | 422   | 402   | 429   | 408   |
| 920    | 851   | 1,200 | 903   | 754   | 798   | 946   | 1,030 | 1,330 |
| 1,490  | 1,290 | 1,680 | 1,560 | 1,240 | 1,310 | 1,540 | 1,560 | --    |
| 1,330  | 1,270 | 1,410 | 1,410 | 1,320 | 1,330 | 1,260 | 1,320 | 1,280 |
| 195    | 216   | 213   | 209   | 200   | 218   | 211   | 228   | 208   |

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 438   | 504   | 563   | 516   | 394   | 542   | 510   | 623   | 592   |
| --    | --    | --    | --    | --    | 56    | 53    | 54    | 57    |
| --    | --    | --    | --    | --    | 55    | 51    | 52    | 55    |
| --    | --    | --    | --    | --    | 133   | 119   | 125   | 128   |
| --    | --    | --    | --    | --    | 143   | 121   | 128   | 139   |
| --    | --    | --    | --    | --    | 145   | 125   | 130   | 125   |
| 31    | 32    | 35    | 33    | 33    | 33    | 33    | 33    | 33    |
| --    | --    | --    | --    | --    | 110   | 100   | 102   | 100   |
| --    | --    | --    | --    | --    | 238   | 246   | 243   | 243   |
| 169   | 156   | 162   | 159   | 155   | 165   | 155   | 151   | 192   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | 187   | 175   | 184   | 178   |
| --    | --    | --    | --    | --    | --    | --    | --    | 209   |
| 214   | 228   | 339   | 260   | 242   | 245   | 230   | 242   | 235   |
| 4,740 | 7,440 | 8,280 | 7,990 | 7,200 | 5,940 | --    | --    | --    |
| 1,040 | 1,320 | 1,340 | 939   | 971   | 851   | 836   | 666   | 621   |
| 259   | 306   | 391   | 332   | 303   | 312   | 269   | 284   | 259   |
| --    | --    | --    | --    | --    | 612   | 622   | 644   | 630   |
| 295   | 346   | 436   | 361   | 333   | 334   | 295   | 308   | 284   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | 1,270 | 1,700 | 1,730 | 1,810 | 1,680 | 1,720 |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 2,180 | 2,240 | 2,250 | 2,150 | 2,050 | 2,120 | 2,090 | 1,850 | 1,950 |
| --    | 179   | 251   | 262   | 250   | 314   | 334   | 425   | 438   |
| 115   | 118   | 145   | 136   | 124   | 142   | 135   | 144   | 144   |
| 133   | 137   | 171   | 156   | 135   | 157   | 139   | 145   | 146   |
| 324   | 316   | 347   | 349   | 269   | 298   | 281   | 270   | 251   |
| 316   | 386   | 525   | 424   | 376   | 406   | 344   | 356   | 324   |
| 583   | 542   | 522   | 553   | 550   | 473   | 424   | 417   | 444   |
| 55    | 57    | 63    | 59    | --    | --    | --    | --    | --    |
| 140   | 156   | 250   | 243   | 165   | 172   | --    | --    | --    |
| 249   | 258   | 321   | 283   | 266   | 296   | 292   | 456   | 306   |
| 354   | 533   | 437   | 460   | 542   | 472   | 489   | 476   | 441   |
| 313   | 315   | 293   | 292   | 311   | 294   | 296   | 295   | 293   |
| 288   | 414   | 488   | 473   | 412   | 488   | 457   | 485   | 496   |
| 180   | 180   | 238   | 237   | 194   | 254   | 267   | 268   | 267   |
| 1,160 | 1,000 | 1,670 | 1,650 | 1,040 | 1,590 | 1,620 | 1,770 | 1,820 |
| --    | --    | --    | --    | --    | --    | 1,960 | 2,440 | 2,210 |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 2,460 | 2,330 | 2,210 | 2,090 | 1,970 | 1,870 | --    | --    | --    |
| 693   | 696   | 687   | 677   | 664   | 625   | 558   | 518   | 512   |

|     |     |       |       |       |       |       |       |       |
|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| --  | --  | --    | 716   | 702   | 643   | 584   | 547   | 539   |
| --  | --  | --    | --    | --    | --    | --    | --    | --    |
| --  | --  | --    | --    | --    | --    | 572   | 541   | 541   |
| 702 | 704 | 723   | 717   | 698   | 644   | 585   | 546   | 539   |
| 824 | 771 | 802   | 842   | 771   | 699   | 630   | 589   | 600   |
| 58  | 61  | 69    | 63    | 61    | 68    | 61    | 64    | 66    |
| 143 | 185 | 225   | 193   | 157   | 166   | 145   | 177   | 187   |
| 155 | 180 | 225   | 210   | 163   | 135   | 154   | 188   | 173   |
| 180 | 303 | 665   | 569   | 251   | 187   | 246   | 429   | 362   |
| 195 | 279 | 498   | 423   | 256   | 205   | 235   | 337   | 355   |
| 488 | 710 | 1,700 | 1,350 | 645   | 392   | 541   | 834   | 840   |
| 322 | 321 | 278   | 279   | 300   | 255   | 291   | 270   | 285   |
| 614 | 651 | 696   | 761   | 731   | 570   | 595   | 693   | 681   |
| --  | 397 | 2,400 | 2,610 | 2,230 | 2,410 | 2,050 | 2,860 | 3,030 |
| 285 | 338 | 996   | 613   | 368   | 519   | 361   | 648   | 547   |
| 128 | 118 | 210   | 140   | 132   | 146   | 137   | 148   | 180   |
| 354 | 291 | 396   | 512   | 476   | 418   | 402   | 437   | 502   |
| 124 | 102 | 270   | 164   | 135   | 223   | 185   | 201   | 224   |
| --  | --  | --    | 90    | 82    | 118   | 94    | 97    | 114   |
| --  | --  | --    | --    | --    | --    | --    | --    | --    |
| --  | --  | --    | --    | --    | --    | --    | --    | --    |
| 43  | 34  | 91    | 53    | 46    | 71    | 59    | 69    | 57    |
| --  | --  | 354   | 195   | 170   | 251   | 214   | 249   | 254   |
| 173 | 205 | 337   | 316   | 214   | 249   | 258   | 267   | 269   |
| --  | --  | --    | 242   | 274   | 289   | 279   | 270   | 290   |
| 447 | 401 | 2,620 | 2,390 | 728   | 693   | 814   | 1,980 | 2,100 |
| --  | --  | --    | --    | --    | 1,500 | 1,080 | 2,300 | 2,040 |
| 828 | 736 | 788   | 893   | 637   | 623   | 643   | 652   | 699   |
| 824 | 773 | 800   | 843   | 779   | 682   | 613   | 583   | 608   |
| 59  | 55  | 57    | 55    | 53    | 55    | 66    | 60    | --    |
| 134 | 144 | 156   | 194   | 142   | 126   | 118   | 114   | 117   |
| 326 | 290 | 306   | 309   | 280   | 278   | 312   | 293   | 313   |
| 303 | 311 | 308   | 309   | 310   | 315   | 335   | 310   | 303   |
| 223 | 188 | 202   | 192   | 180   | 187   | 219   | 184   | 230   |
| 243 | 222 | 220   | 217   | 214   | 223   | 243   | 220   | 251   |
| 402 | 338 | 384   | 349   | 306   | 309   | 323   | 305   | 349   |
| 195 | 188 | 202   | 183   | 183   | 185   | 195   | 181   | 202   |
| 287 | 314 | 327   | 337   | 301   | 313   | 415   | 336   | 236   |

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 325   | 322   | 365   | 322   | 332   | 357   | 330   | 356   | 360   |
| 434   | 343   | 547   | 313   | 320   | 319   | 409   | 311   | 548   |
| 359   | 364   | 403   | 332   | 304   | 296   | 215   | 213   | 255   |
| 432   | 494   | 529   | 486   | 393   | 435   | 480   | 549   | 565   |
| 148   | 143   | 147   | 137   | 135   | 130   | --    | --    | --    |
| 162   | 154   | 150   | 146   | 144   | 143   | 142   | 142   | 146   |
| 184   | 166   | 199   | 161   | 155   | 153   | 166   | 146   | 182   |
| 232   | 194   | 260   | 193   | 190   | 187   | --    | --    | --    |
| 188   | 177   | 193   | 169   | 169   | 165   | 179   | 166   | 196   |
| 208   | 196   | 219   | 188   | 188   | 178   | 193   | 182   | 208   |
| 404   | 374   | 412   | --    | --    | --    | --    | --    | --    |
| 2,060 | 1,580 | 2,140 | 1,850 | --    | --    | --    | --    | --    |
| 2,400 | 1,590 | --    | --    | --    | --    | --    | --    | --    |
| 759   | 582   | 724   | 591   | 446   | 395   | 477   | 413   | 593   |
| 1,640 | 1,580 | 1,950 | 1,600 | 1,450 | 767   | --    | --    | --    |
| 110   | 100   | 109   | 94    | 88    | 90    | 98    | 84    | 113   |
| 214   | 197   | 198   | 188   | 180   | 185   | 194   | 185   | 216   |
| 334   | 284   | 313   | 288   | 270   | 280   | 296   | 270   | 341   |
| 295   | 298   | 307   | 306   | 308   | 313   | 319   | 321   | 330   |
| 269   | 238   | 271   | 237   | 222   | 219   | 235   | 218   | 269   |
| 158   | 145   | 183   | 143   | 145   | 143   | 152   | 138   | 181   |
| 158   | 150   | 164   | 152   | 149   | 147   | 158   | 145   | 173   |
| 337   | 245   | 326   | 249   | 224   | 227   | 250   | 219   | 305   |
| 438   | 329   | --    | --    | --    | --    | --    | --    | --    |
| 921   | 958   | 1,020 | 1,110 | 1,110 | 1,160 | 1,270 | 1,250 | 1,190 |
| 356   | 357   | 354   | 376   | 382   | 414   | 361   | 313   | 300   |
| 346   | 350   | 379   | 359   | 345   | 347   | 369   | 367   | 381   |
| 426   | 389   | 476   | 402   | 392   | 414   | --    | --    | --    |
| 72    | 71    | 81    | 66    | 64    | 64    | 71    | 59    | 73    |
| 106   | 107   | 112   | 100   | 93    | 97    | 104   | 89    | 100   |
| 230   | 222   | 228   | 223   | 218   | 223   | 233   | 224   | 240   |
| 253   | 240   | 248   | 242   | 229   | 234   | 244   | 240   | 253   |
| 207   | 188   | 231   | 189   | 182   | 191   | 214   | 193   | 249   |
| 949   | 913   | 910   | 931   | 766   | 734   | 768   | 798   | 842   |
| 374   | 358   | 383   | 341   | 298   | 311   | 352   | 320   | 387   |
| 220   | 243   | 250   | 256   | 285   | 294   | 308   | 309   | 290   |
| 162   | 150   | 175   | 156   | 148   | 142   | 161   | 143   | 157   |
| --    | 143   | 165   | 148   | 138   | 133   | 158   | 142   | 153   |
| 45    | 45    | 42    | 65    | 89    | 59    | 51    | 45    | 40    |
| 110   | 96    | 131   | 110   | 99    | 104   | 120   | 99    | 116   |
| 108   | 110   | 122   | 114   | 106   | 116   | 114   | 117   | 119   |
| 170   | 170   | 199   | 188   | 168   | 190   | 188   | 194   | 196   |
| 123   | 132   | --    | --    | --    | --    | --    | --    | --    |



|     |     |       |     |     |     |       |     |       |
|-----|-----|-------|-----|-----|-----|-------|-----|-------|
| --  | --  | --    | --  | --  | --  | --    | --  | --    |
| --  | --  | --    | --  | --  | --  | --    | --  | --    |
| --  | --  | --    | --  | --  | --  | --    | --  | --    |
| --  | --  | --    | --  | --  | --  | --    | 50  | 80    |
| 65  | 59  | 65    | 51  | 46  | 52  | --    | --  | --    |
| 243 | 129 | 195   | 98  | 85  | 102 | 179   | 95  | 198   |
| 175 | 166 | 210   | 160 | 164 | 165 | --    | --  | --    |
| 690 | 566 | 1,090 | 904 | 686 | 961 | 1,220 | 981 | 1,280 |
| 500 | 242 | 590   | 392 | 262 | 437 | 479   | 431 | 487   |
| 580 | 551 | 723   | 626 | 537 | 633 | 683   | 650 | 626   |
| 219 | 153 | 363   | 328 | 182 | --  | --    | --  | --    |
| 816 | 705 | 1,040 | 939 | 616 | 889 | 896   | 737 | 900   |

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| 1988  | 1989  | 1990  | 1991  | 1992  | 1993  | 1994  | 1995  | 1996  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 51    | 50    | 47    | 47    | 49    | 45    | 46    | 42    | 49    |
| 196   | 185   | 218   | 178   | 185   | 162   | 170   | 140   | 193   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 83    | 82    | 81    | 76    | 77    | 72    | 73    | 71    | 95    |
| 312   | 282   | 287   | 206   | 209   | 205   | 149   | 176   | 300   |
| 203   | 190   | 208   | 178   | 187   | 171   | 171   | 158   | 207   |
| 175   | 173   | 168   | 141   | 139   | 144   | 129   | 139   | 211   |
| 86    | 84    | 91    | 74    | 73    | 66    | 69    | 66    | 93    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 198   | 196   | 217   | 189   | 189   | 183   | 187   | 185   | 207   |
| 233   | 245   | 225   | 211   | 204   | 193   | 188   | 200   | 215   |
| 316   | 332   | 313   | 265   | 148   | 263   | 305   | 295   | 313   |
| 205   | 207   | 224   | 195   | 192   | 189   | 188   | 182   | 218   |
| 214   | 239   | 251   | 193   | 155   | 162   | 254   | 164   | 389   |
| 474   | --    | --    | --    | --    | --    | --    | --    | --    |
| 269   | 314   | 293   | 254   | 272   | 288   | 235   | 230   | 225   |
| 360   | 372   | 378   | 308   | 310   | 293   | 301   | 293   | 337   |
| 1,180 | 1,320 | 1,270 | 1,290 | 1,460 | 1,430 | 1,230 | 1,520 | 1,220 |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 320   | 373   | 392   | 450   | 328   | 363   | 333   | 326   | 350   |
| 365   | 407   | 439   | 398   | 364   | 334   | 345   | 385   | 431   |
| 611   | 674   | 696   | 713   | 677   | 648   | 651   | 566   | 674   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 944   | 946   | 945   | 940   | 946   | 957   | 958   | 960   | --    |
| 32    | 36    | 33    | 33    | 34    | 31    | 33    | 28    | 30    |
| 37    | 44    | 40    | 39    | 44    | 41    | 48    | 38    | 43    |
| 49    | 61    | 60    | 50    | 50    | 42    | 53    | 34    | 43    |
| 27    | 30    | 29    | 27    | 28    | 23    | 27    | 22    | 24    |
| 27    | 30    | 30    | 26    | 28    | 23    | 27    | 23    | 24    |
| 49    | 51    | 49    | 45    | 46    | 41    | 46    | 38    | 41    |
| 25    | 30    | 29    | 25    | 24    | 21    | 25    | 18    | 21    |
| 21    | 23    | 23    | 21    | 22    | 22    | 22    | 19    | 20    |
| 76    | 83    | 82    | 77    | 80    | 67    | 75    | 61    | 57    |
| 79    | 85    | 87    | 83    | 87    | 77    | 86    | --    | --    |
| 23    | 25    | 24    | 25    | 25    | 23    | 25    | 23    | 23    |

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 26  | 30  | 28  | 26  | 28  | 25  | 27  | 24  | 25  |
| 27  | 31  | 30  | 28  | 29  | 26  | 29  | 26  | 27  |
| 33  | 37  | 35  | 34  | 36  | 33  | 37  | 32  | 33  |
| 35  | 38  | 37  | 36  | 40  | 35  | 40  | 33  | 34  |
| 34  | 38  | 37  | 35  | 37  | 33  | 37  | 31  | 32  |
| 51  | 59  | 54  | 51  | 55  | 47  | 55  | 44  | 45  |
| 70  | 70  | 68  | 68  | 71  | 67  | 70  | 64  | 67  |
| 52  | 55  | 56  | 54  | 57  | 53  | --  | --  | --  |
| 327 | 373 | 410 | 325 | 403 | 293 | 330 | 382 | --  |
| 62  | 65  | 68  | 70  | 72  | 70  | 75  | 66  | 75  |
| 72  | 72  | 74  | 72  | 76  | 73  | 79  | 68  | 74  |
| 44  | 47  | 47  | 49  | 52  | 47  | 54  | 45  | 49  |
| 38  | 39  | 39  | 40  | 41  | 39  | 43  | 38  | 39  |
| 211 | 241 | 259 | 263 | 298 | 270 | 331 | 252 | 280 |
| 127 | 136 | 137 | 136 | 143 | 139 | 146 | 127 | 132 |
| 56  | 64  | 65  | 66  | 72  | 61  | 78  | 59  | 64  |
| 27  | 28  | 28  | 27  | 29  | 26  | 29  | --  | --  |
| 26  | 26  | 26  | 25  | 27  | 25  | 26  | --  | --  |
| 27  | 28  | 27  | 26  | 29  | 26  | 28  | --  | --  |
| 30  | 31  | 30  | 28  | 26  | 22  | 18  | --  | --  |
| 28  | 29  | 27  | 26  | 26  | 23  | 23  | --  | --  |
| 97  | 98  | 98  | 102 | 103 | 108 | 108 | 110 | 116 |
| 146 | 154 | 153 | 149 | 149 | 136 | 144 | 124 | 120 |
| 25  | 26  | 23  | 23  | 24  | 21  | 24  | 20  | 21  |
| 206 | 215 | 192 | 172 | 188 | 168 | 207 | 171 | 171 |
| 85  | 90  | 97  | 82  | 86  | 74  | 88  | 76  | 85  |
| 37  | 37  | 34  | 30  | 31  | 28  | 32  | 24  | 26  |
| 124 | 130 | 128 | 109 | 123 | 106 | 129 | 99  | 104 |
| 60  | 62  | 68  | 56  | 64  | 52  | 65  | 53  | 50  |
| 155 | 165 | 184 | 157 | 183 | 143 | 190 | 166 | 163 |
| 103 | 101 | 103 | 99  | 101 | 86  | 101 | 84  | 87  |
| 149 | 147 | 150 | 142 | 150 | 135 | 151 | 135 | 138 |
| 140 | 143 | 143 | 135 | 138 | 131 | 145 | 128 | 129 |
| 18  | 17  | 17  | 17  | 17  | 16  | 17  | 15  | 16  |
| 21  | 20  | 19  | 19  | 19  | 17  | 19  | 15  | 17  |
| 22  | 22  | 22  | 21  | 21  | 19  | 21  | 18  | 20  |
| --  | --  | 99  | 91  | 93  | 74  | 86  | 65  | 69  |
| 20  | 21  | 20  | 20  | 21  | 18  | 20  | 18  | 19  |
| 24  | 26  | 23  | 24  | 27  | 24  | 26  | 24  | 25  |
| 69  | 76  | 75  | 75  | 88  | 77  | 104 | 84  | 92  |
| 27  | 27  | 26  | 27  | 27  | 26  | 28  | 26  | 27  |
| 36  | 38  | 36  | 35  | 34  | 30  | 36  | 29  | 31  |



|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 44  | 47  | 42  | 41  | 44  | 37  | 45  | 38  | 38  |
| 79  | 89  | 88  | 87  | 94  | 85  | 99  | 85  | 87  |
| --  | 84  | 83  | 78  | 92  | 73  | 102 | 74  | 80  |
| 38  | 40  | 39  | 36  | 40  | 34  | 39  | 35  | 34  |
| 91  | 123 | 128 | 106 | 129 | 91  | 123 | 87  | 101 |
| --  | 103 | 101 | 94  | 106 | 81  | 108 | 82  | 89  |
| --  | --  | --  | --  | --  | --  | 157 | 125 | 143 |
| 341 | 350 | 352 | 290 | 318 | 217 | 333 | 208 | 231 |
| 236 | 257 | 269 | 240 | 261 | 196 | 259 | 180 | 181 |
| 123 | 123 | 121 | 119 | 125 | 123 | 131 | 126 | 137 |
| 35  | 36  | 32  | 32  | 34  | 29  | 36  | 21  | 27  |
| 39  | 39  | 37  | 35  | 37  | 33  | 39  | 24  | 31  |
| 25  | 30  | 27  | 27  | 27  | 23  | 26  | 21  | 19  |
| 171 | 166 | 166 | 156 | 165 | 143 | 163 | --  | --  |
| 240 | 223 | 229 | 222 | 246 | 202 | 277 | --  | --  |
| 134 | 134 | 131 | 131 | 129 | 128 | 131 | 121 | 131 |
| 184 | 185 | 192 | 166 | 187 | 136 | 177 | 136 | 170 |
| 294 | 299 | 308 | 264 | 301 | 213 | 274 | 182 | 221 |
| 392 | 425 | 439 | 366 | 409 | 276 | 375 | 243 | 259 |
| 142 | 137 | 135 | 119 | 128 | 111 | 136 | 116 | 137 |
| --  | --  | --  | --  | --  | --  | --  | --  | --  |
| 453 | 481 | 508 | 425 | 489 | 329 | 466 | 298 | 331 |
| 473 | 516 | 543 | 449 | 507 | 335 | 471 | 301 | 337 |
| 396 | 416 | 483 | 377 | 341 | 227 | 347 | 210 | 318 |
| --  | --  | --  | 392 | 469 | 300 | 455 | 278 | 337 |
| 57  | 54  | 54  | 52  | 56  | 47  | 51  | 44  | 48  |
| 54  | 55  | 55  | 55  | 56  | 54  | 56  | 52  | 54  |
| 77  | 77  | 78  | 74  | 77  | 70  | 75  | 65  | 69  |
| --  | --  | --  | --  | --  | --  | 62  | 50  | 54  |
| --  | --  | --  | --  | --  | --  | 113 | 96  | 104 |
| 145 | 139 | 151 | 136 | 147 | 121 | 135 | 115 | 124 |
| 115 | 115 | 121 | 112 | 118 | 105 | 115 | 100 | 108 |
| --  | --  | --  | --  | --  | --  | 87  | 75  | 82  |
| 140 | 148 | 142 | 131 | 138 | 127 | 148 | 112 | 133 |
| 168 | 167 | 173 | 160 | 165 | 151 | 169 | 145 | 157 |
| 81  | 84  | 78  | 74  | 79  | 70  | 76  | 67  | 76  |
| 62  | 63  | 60  | 58  | 60  | 58  | 61  | 57  | 59  |
| 117 | 128 | 128 | 116 | 117 | 112 | 116 | 106 | 111 |
| 73  | 71  | 73  | 62  | 59  | 55  | 70  | --  | --  |
| 87  | 88  | 86  | 82  | 85  | 77  | 84  | 76  | 83  |
| 260 | 260 | 258 | 198 | 193 | 153 | 200 | 153 | 200 |
| 684 | 634 | 764 | 490 | 523 | 211 | 645 | 266 | 706 |

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70    | 71    | 69    | 64    | 67    | 59    | 65    | 57    | 67    |
| 78    | 80    | 78    | 72    | 78    | 68    | 78    | 68    | 80    |
| 487   | 595   | 673   | 445   | 456   | 311   | 437   | 276   | 351   |
| 346   | 381   | 351   | 308   | 306   | 280   | 325   | 252   | 311   |
| 447   | 502   | 534   | 447   | 426   | 431   | 466   | 353   | 475   |
| --    | 495   | 439   | 432   | 398   | 395   | 378   | 361   | 367   |
| 376   | 386   | 337   | 328   | 323   | 318   | 345   | 289   | 339   |
| 1,230 | 1,310 | 1,190 | 1,140 | 995   | 899   | 1,070 | 846   | 1,020 |
| 597   | 735   | 811   | 552   | 545   | 365   | 540   | 326   | 449   |
| 1,240 | 1,270 | 1,270 | 1,350 | 1,410 | 1,290 | 1,260 | 1,250 | 1,210 |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 624   | 703   | 791   | 588   | 622   | 401   | 603   | 358   | 433   |
| 136   | 143   | 138   | 130   | 125   | 99    | 126   | 99    | 138   |
| 147   | 146   | 153   | 134   | 126   | 104   | 127   | 104   | 136   |
| 85    | 68    | 168   | 63    | 56    | 46    | 56    | 48    | 104   |
| 386   | 399   | 566   | 427   | 298   | 231   | 321   | 246   | 525   |
| 1,300 | 1,390 | 3,390 | 1,990 | 772   | 370   | 888   | 419   | 2,280 |
| --    | --    | --    | --    | 204   | 188   | 211   | 180   | 222   |
| 450   | 493   | 512   | 383   | 352   | 268   | 355   | --    | --    |
| 858   | 920   | 1,330 | 810   | 501   | 261   | 550   | 310   | 769   |
| 670   | 767   | 862   | 636   | 648   | 401   | 631   | 363   | 460   |
| 505   | 539   | --    | --    | --    | --    | --    | --    | --    |
| 137   | 161   | 170   | 164   | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 223   | 206   | 204   | 193   | 224   | 184   | 209   | --    | --    |
| 244   | 246   | 234   | 224   | 244   | 216   | 240   | 201   | 203   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 2,780 | 3,160 | 3,370 | 2,310 | 2,630 | 2,560 | 2,470 | 1,390 | 2,070 |
| 380   | 401   | 353   | 320   | 368   | 302   | 362   | 264   | 261   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 707   | 784   | 917   | 664   | 775   | 598   | 871   | 576   | 617   |
| 424   | 473   | 495   | 487   | 478   | 483   | 469   | 445   | 434   |
| 93    | 95    | 78    | 66    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | 293   | 304   | 294   | 301   | 296   | 302   | 293   | 275   |
| 253   | 290   | 326   | 294   | 287   | 299   | 282   | 284   | 256   |
| 20    | 21    | 20    | 19    | 20    | 18    | 19    | 16    | 17    |
| 90    | 107   | 102   | 90    | 107   | 85    | 108   | 83    | 79    |
| --    | --    | --    | --    | 54    | 43    | 59    | 46    | 55    |
| 384   | 405   | 466   | 361   | 455   | 347   | 447   | 342   | 314   |
| 1,500 | 1,620 | 1,920 | 1,780 | 2,040 | 1,750 | 2,090 | 1,840 | 1,500 |
| 1,550 | 1,660 | 1,860 | 1,800 | 1,950 | 1,800 | 2,040 | 1,850 | 1,590 |

|     |       |       |       |       |     |     |     |     |
|-----|-------|-------|-------|-------|-----|-----|-----|-----|
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 112 | 133   | 128   | 108   | 132   | 95  | 120 | 99  | 116 |
| 161 | 194   | 188   | 164   | 199   | 151 | 194 | 136 | 157 |
| 248 | 283   | 292   | 250   | 281   | 222 | 301 | 215 | 226 |
| 207 | 252   | 245   | 211   | 260   | 188 | 251 | 165 | 185 |
| 55  | 66    | 63    | 61    | 71    | 53  | 67  | 55  | 55  |
| 106 | 125   | 117   | 107   | 123   | 86  | 107 | 78  | 86  |
| 218 | 259   | 255   | 236   | 267   | 194 | 248 | 186 | 209 |
| 211 | 244   | 219   | 192   | 210   | 151 | 179 | --  | --  |
| 378 | 429   | 422   | 386   | 407   | 320 | 369 | 300 | 302 |
| 189 | 225   | 169   | 136   | --    | --  | --  | --  | --  |
| 82  | 92    | 77    | 67    | --    | --  | --  | --  | --  |
| 384 | 706   | --    | --    | --    | --  | --  | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 297 | 304   | 313   | 304   | --    | --  | --  | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 120 | 132   | 133   | 132   | --    | --  | --  | --  | --  |
| 42  | --    | --    | --    | --    | --  | --  | --  | --  |
| 69  | 108   | 98    | 110   | --    | --  | --  | --  | --  |
| 123 | 197   | 172   | 186   | --    | --  | --  | --  | --  |
| 234 | 283   | 271   | 250   | --    | --  | --  | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 207 | 201   | 195   | 190   | --    | --  | --  | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 264 | 254   | 242   | 232   | --    | --  | --  | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 458 | 463   | 451   | 430   | --    | --  | --  | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 51  | 51    | 40    | 37    | 46    | 35  | 43  | --  | --  |
| 661 | 779   | 886   | 885   | 900   | 597 | 684 | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| --  | --    | --    | --    | --    | --  | --  | --  | --  |
| 36  | 36    | 29    | 26    | 28    | 23  | 24  | --  | --  |
| 820 | 1,120 | 1,250 | 1,070 | 1,120 | 762 | 919 | 374 | 651 |
| 172 | 188   | 199   | 176   | 195   | 163 | 203 | 160 | 163 |
| 95  | 96    | 96    | 94    | 97    | 92  | 97  | 91  | --  |
| 118 | 119   | 119   | 117   | 120   | 115 | 120 | 114 | --  |
| 134 | 137   | 138   | 134   | 139   | --  | --  | --  | --  |
| 146 | 151   | 155   | 148   | 156   | 142 | 158 | 137 | 144 |
| 200 | 217   | 230   | 206   | 223   | 181 | 230 | 173 | 189 |
| 256 | 277   | 295   | 250   | 274   | 211 | 278 | 194 | 218 |
| 299 | 328   | 359   | 305   | 333   | 261 | 352 | 252 | 276 |

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 733   | 730   | 809   | 792   | 782   | 644   | 760   | 666   | 694   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 945   | 978   | 1,090 | 1,100 | 1,100 | 829   | 989   | 905   | 965   |
| 1,210 | 1,300 | 1,560 | 1,570 | 1,500 | 969   | 1,240 | 1,120 | 1,200 |
| 962   | 960   | --    | --    | --    | --    | --    | --    | --    |
| 1,020 | 1,040 | 1,060 | 1,060 | 1,050 | 970   | 1,010 | 926   | 938   |
| --    | 2,390 | 2,430 | 2,480 | 2,480 | 2,290 | 2,210 | 2,430 | 2,450 |
| 426   | 470   | 493   | 425   | 453   | 357   | 467   | 334   | 365   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 478   | 507   | 511   | 446   | 458   | 370   | 472   | 345   | 384   |
| 2,650 | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 510   | 593   | --    | --    | --    | --    | --    | --    | --    |
| 258   | 252   | 250   | 263   | --    | --    | --    | --    | --    |
| 178   | 178   | 171   | 163   | --    | --    | --    | --    | --    |
| 445   | 445   | 431   | 412   | 425   | --    | --    | --    | --    |
| 319   | 345   | --    | --    | --    | --    | --    | --    | --    |
| 661   | 791   | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 495   | 562   | 561   | 506   | 528   | 413   | 489   | 364   | 384   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 370   | 388   | 380   | 359   | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 2,290 | 2,510 | 2,900 | 2,150 | 2,430 | 1,860 | 2,520 | 1,290 | 1,700 |
| 82    | 89    | 89    | 83    | 84    | --    | --    | --    | --    |
| 339   | 345   | 347   | 348   | 347   | --    | --    | --    | --    |
| 433   | 446   | 443   | 436   | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1,280 | 1,240 | 1,250 | 1,210 | 1,150 | --    | --    | --    | --    |
| 211   | 236   | 256   | 230   | --    | --    | --    | --    | --    |

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 608   | 687   | 1,360 | 1,330 | --    | --    | --    | --    | --    |
| 66    | 62    | 61    | 57    | 59    | 54    | 58    | 53    | 66    |
| 68    | 64    | 62    | 58    | 58    | 51    | 58    | 51    | --    |
| 143   | 143   | 148   | 141   | 135   | 126   | 132   | 119   | --    |
| 162   | 159   | 145   | 137   | 132   | 111   | 125   | 106   | 162   |
| 164   | 156   | 146   | 141   | 135   | 117   | 140   | 120   | 189   |
| 34    | 35    | 33    | 34    | 33    | 31    | 33    | 30    | 34    |
| 132   | 129   | 137   | 126   | 122   | 105   | 121   | 104   | 151   |
| 258   | 255   | 258   | 255   | 263   | 262   | 253   | 252   | 203   |
| 181   | 164   | 172   | 164   | 169   | 174   | 156   | 172   | 154   |
| --    | --    | --    | --    | 181   | 145   | 174   | 133   | 174   |
| 243   | 246   | 243   | 218   | 213   | 169   | 219   | 165   | 243   |
| 266   | 273   | 266   | 251   | 232   | 202   | 251   | 200   | 281   |
| 301   | 317   | 301   | 287   | 270   | 223   | 276   | 220   | 307   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 571   | 672   | --    | --    | --    | --    | --    | --    | --    |
| 366   | 387   | 389   | 339   | 288   | 257   | 291   | 255   | 359   |
| 928   | 911   | 1,310 | 986   | 691   | 627   | 819   | 662   | 1,260 |
| 378   | 404   | 402   | 359   | 309   | 278   | 307   | 276   | 381   |
| --    | --    | --    | --    | --    | --    | 1,970 | 2,060 | 1,950 |
| 1,710 | 1,830 | 1,780 | 1,790 | 1,700 | 1,780 | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | 1,550 | 1,500 | 1,520 |
| 1,920 | 2,050 | 1,960 | 1,960 | 1,810 | 1,800 | 1,790 | 1,700 | 1,720 |
| 507   | 583   | 725   | 823   | --    | --    | --    | --    | --    |
| 152   | 174   | 205   | 166   | --    | --    | --    | --    | --    |
| 154   | 182   | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 460   | 505   | 513   | 444   | 371   | 316   | 371   | 313   | 445   |
| 501   | 510   | 538   | 587   | 585   | 563   | 516   | 492   | 456   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 398   | 421   | 499   | 368   | 431   | 340   | 472   | --    | --    |
| 433   | 408   | 378   | 348   | --    | --    | --    | --    | --    |
| 294   | 294   | 289   | 292   | --    | --    | --    | --    | --    |
| 474   | 514   | 525   | 511   | 490   | 415   | 499   | 426   | 514   |
| 228   | 272   | 264   | 243   | --    | --    | --    | --    | --    |
| 1,550 | 1,750 | 2,140 | 2,250 | 1,690 | 1,020 | 1,760 | 1,080 | 1,780 |
| 1,980 | 2,230 | 846   | 1,630 | 1,200 | 965   | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 530   | 557   | 586   | 620   | 650   | 670   | 668   | 651   | 620   |

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 557   | 585   | 615   | 635   | 654   | 676   | 689   | 689   | 667   |
| --    | 524   | 656   | 285   | 302   | 262   | 446   | 268   | 548   |
| 561   | 592   | 618   | 639   | 658   | 679   | 688   | 690   | 669   |
| 558   | 587   | 616   | 637   | 655   | 678   | 689   | 689   | 666   |
| 639   | 681   | 725   | 750   | 757   | 757   | 748   | 739   | 730   |
| 65    | 72    | 70    | 62    | 60    | 59    | 70    | 62    | 66    |
| 161   | 216   | 223   | 160   | 151   | 138   | 216   | 147   | 211   |
| 174   | 208   | 219   | 162   | 164   | 148   | 208   | 165   | 217   |
| 358   | 610   | 711   | 283   | 265   | 174   | --    | --    | --    |
| 321   | 488   | 533   | 268   | 250   | 163   | 489   | 215   | 428   |
| 699   | 1,030 | 1,840 | 527   | 456   | 304   | 1,190 | 399   | 1,060 |
| 256   | 282   | 255   | 283   | 269   | 276   | 271   | 279   | 249   |
| 670   | 685   | 878   | 648   | 584   | 382   | 606   | 549   | 582   |
| 3,080 | 3,110 | 2,730 | 2,460 | 2,880 | 1,120 | 2,660 | 2,350 | 2,610 |
| 619   | 1,120 | 1,330 | 412   | 510   | 254   | 933   | 464   | 1,700 |
| 145   | 185   | 242   | 129   | 160   | --    | --    | --    | --    |
| 553   | 610   | 731   | 702   | 559   | 453   | 398   | 417   | 485   |
| 176   | 275   | 264   | 187   | 180   | 85    | 263   | 136   | 267   |
| 104   | 148   | 145   | 97    | 99    | 65    | 144   | --    | --    |
| --    | --    | --    | --    | --    | --    | --    | --    | 133   |
| --    | --    | --    | 153   | 166   | 133   | 189   | 137   | 213   |
| 51    | 50    | 84    | 36    | 45    | 33    | 69    | 35    | 71    |
| 220   | 352   | 345   | 195   | 189   | 111   | 306   | 153   | 354   |
| 253   | 285   | 345   | 256   | 188   | 231   | 271   | 281   | 280   |
| 226   | 333   | 253   | 180   | 238   | 199   | 341   | 266   | 427   |
| 2,150 | 2,330 | 2,060 | 2,170 | 1,010 | 406   | 2,010 | 740   | 2,420 |
| 2,520 | 1,120 | 1,390 | 2,630 | 852   | 603   | 1,010 | --    | --    |
| 788   | 849   | 853   | 850   | 844   | 670   | 820   | 818   | 825   |
| 648   | 692   | 734   | 769   | 777   | 769   | 748   | 725   | 706   |
| --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 129   | 135   | 126   | 120   | --    | --    | --    | --    | --    |
| 304   | 310   | 320   | 303   | --    | --    | --    | --    | --    |
| 291   | 275   | 269   | 264   | --    | --    | --    | --    | --    |
| 231   | 237   | 244   | 218   | --    | --    | --    | --    | --    |
| 228   | 230   | 224   | 219   | --    | --    | --    | --    | --    |
| 402   | 410   | 416   | 387   | --    | --    | --    | --    | --    |
| 198   | 195   | 200   | 195   | --    | --    | --    | --    | --    |
| 251   | 328   | 301   | 329   | 387   | 404   | 379   | 327   | 286   |



|       |       |       |       |       |       |       |     |     |
|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| 256   | 284   | 292   | 291   | --    | --    | --    | --  | --  |
| 297   | 312   | 319   | 324   | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| 295   | 300   | 305   | 315   | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| 1,070 | 1,170 | 1,150 | 1,290 | --    | --    | --    | --  | --  |
| 484   | 494   | 524   | 500   | --    | --    | --    | --  | --  |
| 1,090 | 1,090 | 1,140 | 1,130 | 1,120 | 1,120 | 1,130 | --  | --  |
| 278   | 286   | 311   | 325   | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| 257   | 325   | 298   | 271   | --    | --    | --    | --  | --  |
| 188   | 184   | 180   | 182   | 181   | 189   | 183   | 194 | 187 |
| 80    | 85    | 87    | 80    | 79    | 77    | 79    | 70  | 74  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| 2,290 | 2,250 | 2,250 | 2,240 | 2,280 | 2,290 | 2,270 | --  | --  |
| 3,680 | 4,100 | --    | --    | --    | --    | --    | --  | --  |
| 73    | 78    | 78    | 63    | 65    | 50    | 67    | 53  | 71  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| 355   | 366   | 389   | 372   | 390   | 293   | 363   | 227 | 248 |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| 106   | 89    | 105   | 98    | 114   | 85    | 107   | 73  | --  |
| 267   | 246   | 257   | 234   | 213   | 193   | 196   | 100 | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| 282   | 151   | 237   | 201   | 253   | 109   | 217   | 88  | --  |
| 285   | 335   | 332   | 301   | 267   | 246   | 265   | 187 | 137 |
| 273   | 256   | 268   | 255   | 289   | 237   | 258   | 224 | 238 |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | --    | --    | --    | --    | --  | --  |
| --    | --    | --    | 16    | 19    | 15    | 19    | 14  | 15  |
| --    | --    | --    | --    | 97    | 60    | 94    | 49  | 58  |
| --    | --    | --    | --    | --    | 13    | 18    | 12  | 14  |
| --    | --    | --    | --    | --    | 27    | 34    | 25  | 26  |





| <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> | <b>2002</b> | <b>2003</b> |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 41          | 45          | 39          | 33          | --          | --          | --          |
| 147         | 149         | 140         | 165         | 143         | 175         | 191         |
| --          | --          | --          | --          | --          | --          | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 79          | 85          | 86          | 103         | 82          | 111         | --          |
| 207         | 255         | --          | --          | --          | --          | --          |
| 168         | 176         | 168         | 196         | 171         | 205         | --          |
| 141         | --          | --          | --          | --          | --          | --          |
| 73          | 77          | 81          | 97          | 76          | 134         | --          |
| --          | --          | --          | --          | --          | --          | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 201         | 201         | 211         | 203         | 233         | 217         | --          |
| 187         | 190         | 188         | 215         | 187         | 221         | --          |
| 332         | 398         | 422         | --          | --          | --          | --          |
| 193         | 202         | 198         | 217         | 215         | 226         | --          |
| 187         | 199         | 233         | 296         | 201         | 393         | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 179         | 197         | 220         | 248         | 230         | 255         | --          |
| 319         | 299         | 292         | 327         | 345         | 417         | --          |
| 1,290       | 1,430       | 1,230       | 1,670       | 1,340       | 1,250       | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 433         | 380         | 380         | 362         | 304         | 298         | --          |
| 419         | 382         | 379         | 413         | 446         | 608         | --          |
| 656         | 675         | 666         | 678         | 670         | 646         | 866         |
| --          | --          | --          | --          | --          | --          | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 29          | 34          | 33          | 32          | 35          | 39          | 31          |
| 41          | 48          | 46          | 49          | 53          | 69          | 48          |
| 41          | 47          | 48          | 61          | 65          | 87          | 63          |
| 22          | 26          | 25          | 29          | 32          | 34          | 28          |
| --          | --          | --          | --          | --          | --          | --          |
| 40          | 45          | 45          | 46          | 50          | 52          | 44          |
| 19          | 22          | 22          | 22          | 29          | 31          | 20          |
| 19          | 21          | 20          | 21          | 22          | 24          | 20          |
| 55          | 67          | 63          | 65          | 80          | 82          | 72          |
| --          | --          | --          | --          | --          | --          | --          |
| 24          | 26          | 26          | 26          | 27          | 33          | 26          |

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| 25  | 27  | 27  | 26  | 29  | 40  | 24  |
| 27  | 30  | 30  | 29  | 32  | 40  | 28  |
| 33  | 37  | 37  | 36  | 38  | --  | --  |
| 35  | 41  | 40  | 39  | 41  | 50  | 38  |
| 33  | 38  | 37  | 36  | 39  | 48  | 34  |
| 46  | 57  | 55  | 53  | 58  | 72  | 51  |
| 67  | 73  | 70  | 69  | 69  | 69  | 67  |
| --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| 75  | 83  | 80  | 90  | 89  | 105 | 94  |
| 75  | 87  | 84  | 92  | 94  | 113 | 100 |
| 50  | 61  | 55  | 62  | 62  | 82  | 61  |
| 41  | 47  | 46  | 47  | 49  | 55  | 51  |
| 284 | 352 | 301 | 319 | 321 | 398 | 263 |
| 134 | 141 | 132 | 143 | 149 | 156 | 156 |
| 66  | 86  | 78  | 90  | 92  | 136 | 88  |
| --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| 117 | 118 | 117 | 119 | 119 | 124 | 124 |
| 116 | 134 | 129 | 131 | 141 | 150 | 144 |
| 21  | 24  | 23  | 23  | 23  | 28  | 22  |
| 163 | 195 | 191 | 187 | 192 | 216 | 173 |
| 76  | 95  | 91  | 87  | 89  | 105 | 84  |
| 24  | 29  | 27  | 26  | 29  | 35  | 27  |
| 98  | 118 | 116 | 116 | 120 | 148 | 103 |
| 48  | 55  | 59  | --  | --  | --  | --  |
| 164 | --  | --  | --  | --  | --  | --  |
| 87  | 103 | 90  | 94  | 102 | 119 | 94  |
| 138 | 154 | 146 | 152 | 156 | 173 | 149 |
| 131 | 148 | 140 | 143 | 145 | 159 | 136 |
| 16  | 17  | 17  | 16  | 18  | 19  | 18  |
| 16  | 17  | 18  | 17  | 19  | 20  | 18  |
| 19  | 20  | 20  | 20  | 21  | 23  | 22  |
| 65  | 77  | 69  | 69  | 75  | 89  | 70  |
| 19  | 21  | 19  | 20  | 20  | 24  | 19  |
| 25  | 28  | 27  | 27  | 28  | 33  | 26  |
| 98  | 132 | 122 | 130 | 152 | 194 | 152 |
| 27  | 29  | 29  | 28  | 29  | 33  | 27  |
| 33  | 36  | 35  | 35  | 37  | 43  | 31  |

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| 40  | 43  | 41  | 43  | 42  | 54  | 44  |
| 89  | 98  | 92  | 89  | 93  | 102 | 79  |
| 80  | 102 | 90  | --  | --  | --  | --  |
| 35  | 40  | 39  | 36  | 37  | 45  | 34  |
| 91  | 103 | 107 | 105 | 115 | 148 | 96  |
| 83  | 102 | 92  | --  | --  | --  | --  |
| 128 | 161 | 151 | 148 | 150 | 183 | 110 |
| 227 | 315 | 295 | 311 | --  | --  | --  |
| 170 | 220 | 209 | 222 | 253 | 304 | 237 |
| --  | --  | --  | --  | --  | --  | --  |
| 26  | 34  | 25  | 34  | 36  | 41  | 35  |
| 29  | 38  | 29  | 38  | 40  | 48  | 37  |
| 24  | 25  | 22  | 24  | 27  | 32  | 26  |
| --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| 130 | 134 | 129 | 133 | 138 | 139 | 142 |
| 151 | 162 | 172 | 188 | 186 | 233 | 171 |
| 203 | 230 | 236 | 262 | 278 | 344 | 263 |
| 230 | 291 | 284 | --  | --  | --  | --  |
| 139 | 147 | 166 | 108 | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| 301 | --  | --  | --  | --  | --  | --  |
| 295 | 364 | 372 | 412 | 454 | 577 | 419 |
| 229 | 238 | 304 | 331 | 375 | 447 | 350 |
| 300 | 360 | 363 | 400 | 438 | 571 | 367 |
| 47  | 54  | 50  | 54  | 56  | 63  | 56  |
| 55  | 58  | 57  | 58  | 60  | 62  | 62  |
| 68  | 74  | 73  | 75  | 77  | 81  | 78  |
| 53  | 57  | 58  | 61  | 59  | 77  | 63  |
| 100 | 117 | 109 | 117 | 118 | 139 | 112 |
| 119 | 139 | 132 | 137 | 140 | 157 | 131 |
| 104 | 117 | 115 | 119 | 122 | 136 | 122 |
| 80  | 84  | 88  | 88  | 88  | 104 | 89  |
| 119 | 117 | 106 | 120 | 111 | 141 | 142 |
| 150 | 160 | 161 | 164 | 166 | 179 | 176 |
| 71  | 78  | 73  | 81  | 80  | 106 | 89  |
| 59  | 61  | 63  | 63  | 66  | 70  | 62  |
| 110 | 112 | 113 | 113 | 119 | 120 | 122 |
| --  | --  | --  | --  | --  | --  | --  |
| 79  | 80  | 80  | 81  | 80  | 83  | 74  |
| 162 | 181 | 185 | 203 | 210 | 263 | 189 |
| --  | --  | --  | --  | --  | --  | --  |

|       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
| 63    | 66    | 69    | --    | --    | --    | --    |
| 79    | 86    | 86    | --    | --    | --    | --    |
| 293   | 330   | 385   | 384   | 428   | 497   | 432   |
| 258   | 306   | 285   | 336   | 306   | 430   | 314   |
| 361   | 416   | 369   | 431   | 443   | 466   | --    |
| 368   | 365   | 360   | 386   | 407   | 426   | 445   |
| 299   | 331   | 306   | 338   | 341   | 391   | 334   |
| 832   | 947   | 807   | 1,070 | 1,030 | 1,190 | 1,120 |
| 361   | 426   | 479   | 509   | 564   | 686   | 623   |
| 1,240 | 1,130 | 1,150 | 1,090 | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 366   | 436   | 480   | 535   | 598   | 773   | 569   |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 45    | 46    | 53    | 56    | 44    | 160   | 48    |
| 239   | 261   | 292   | 351   | 456   | 588   | 492   |
| 329   | 412   | 547   | 713   | 1,190 | 2,330 | 1,460 |
| 185   | 205   | 187   | 209   | 202   | 263   | 202   |
| --    | --    | --    | --    | --    | --    | --    |
| 268   | 311   | 343   | 406   | 456   | 825   | 434   |
| 364   | 433   | 471   | 527   | 595   | 777   | 568   |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 194   | 202   | 193   | 224   | 238   | 243   | 232   |
| --    | --    | --    | --    | --    | --    | --    |
| 1,240 | 2,020 | 1,370 | --    | --    | --    | --    |
| 234   | 258   | 234   | 314   | 360   | 390   | 340   |
| --    | --    | --    | --    | --    | --    | --    |
| 559   | 571   | 539   | 782   | 691   | 924   | 828   |
| 407   | 370   | 393   | 396   | 398   | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 274   | 278   | 286   | 292   | 296   | 303   | 299   |
| 258   | 254   | 265   | 257   | 282   | 289   | 294   |
| 16    | 17    | 17    | 17    | 17    | 18    | 15    |
| 76    | 92    | 92    | 90    | 98    | 128   | 85    |
| 50    | 58    | 59    | 61    | 65    | 76    | 51    |
| 317   | 314   | 362   | 401   | 383   | --    | --    |
| 1,560 | 1,540 | 1,780 | 1,790 | 1,680 | --    | --    |
| 1,610 | 1,520 | 1,580 | 1,500 | 1,400 | --    | --    |

|     |     |     |     |     |       |       |
|-----|-----|-----|-----|-----|-------|-------|
| --  | --  | --  | --  | --  | --    | --    |
| --  | --  | --  | --  | --  | --    | --    |
| 146 | 159 | 155 | 161 | 171 | 208   | 143   |
| 214 | 225 | 236 | 246 | 233 | --    | --    |
| 170 | 192 | 203 | 213 | 233 | 293   | 189   |
| 55  | 61  | 62  | --  | --  | --    | --    |
| 81  | 87  | 88  | 96  | 102 | 128   | 99    |
| 190 | 203 | 200 | 225 | 222 | 282   | 214   |
| --  | --  | --  | --  | --  | --    | --    |
| 277 | 290 | 282 | 323 | 349 | 406   | 313   |
| --  | --  | --  | --  | --  | --    | --    |
| --  | --  | --  | --  | --  | --    | --    |
| --  | --  | --  | --  | --  | --    | --    |
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| --  | --  | --  | --  | --  | --    | --    |
| --  | --  | --  | --  | --  | --    | --    |
| 411 | 359 | 363 | 630 | 609 | 1,060 | 1,130 |
| 156 | 156 | 173 | 181 | 188 | --    | --    |
| --  | --  | --  | --  | --  | --    | --    |
| --  | --  | --  | --  | --  | --    | --    |
| --  | --  | --  | --  | --  | --    | --    |
| 138 | --  | --  | --  | --  | --    | --    |
| 183 | 186 | 198 | 212 | 218 | 254   | 205   |
| 202 | 205 | 226 | 250 | 250 | 318   | 254   |
| 253 | 250 | 278 | 308 | 313 | 397   | 300   |



|       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
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| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 113   | 127   | 112   | 157   | 110   | 212   | 132   |
| 111   | 137   | 119   | 154   | 121   | 268   | 155   |
| 30    | 32    | 30    | 32    | 30    | 36    | 31    |
| 100   | 126   | 100   | 144   | 119   | 178   | 170   |
| 248   | 245   | 224   | 226   | 236   | 284   | 200   |
| 153   | 145   | 141   | 145   | 154   | 164   | --    |
| 133   | 167   | 141   | 183   | 151   | 261   | 174   |
| 161   | 205   | 169   | 232   | 191   | 368   | 234   |
| 199   | 244   | --    | --    | --    | --    | --    |
| 216   | 271   | 225   | 285   | 257   | 445   | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 257   | 293   | 262   | 340   | 289   | 400   | --    |
| 577   | 669   | 596   | 684   | 607   | 1,090 | 435   |
| 283   | 319   | 290   | 369   | 329   | 449   | --    |
| 1,840 | 1,720 | 1,740 | 1,640 | 1,570 | 2,100 | 1,600 |
| --    | --    | --    | --    | --    | --    | --    |
| 1,450 | 1,440 | 1,370 | 1,420 | 1,400 | 1,740 | 1,410 |
| 1,590 | 1,610 | 1,530 | 1,610 | 1,600 | 1,920 | 1,640 |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 303   | 343   | 295   | 397   | 329   | 443   | 381   |
| 431   | 423   | 426   | 453   | 490   | 521   | 566   |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 493   | 437   | 502   | 500   | 493   | 538   | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 1,570 | 1,230 | 1,650 | 1,760 | 1,740 | 1,970 | 1,810 |
| --    | --    | --    | --    | --    | --    | --    |
| 1,520 | 1,360 | 1,690 | 2,140 | 2,030 | 3,160 | 2,000 |
| --    | --    | --    | --    | --    | --    | --    |
| 596   | 569   | 548   | 540   | 544   | 556   | 579   |



|       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
| 642   | 621   | 605   | 594   | 594   | 597   | 607   |
| 564   | 546   | 560   | 575   | 569   | 581   | 605   |
| 642   | 623   | 605   | 594   | 594   | 597   | 607   |
| 640   | 620   | 605   | 594   | 594   | 597   | 608   |
| 725   | 715   | 707   | 701   | 697   | 690   | 685   |
| --    | --    | --    | --    | --    | --    | --    |
| 171   | 176   | 202   | 251   | 189   | 236   | --    |
| 204   | 180   | 187   | 230   | 172   | 202   | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 329   | 326   | 373   | 547   | 275   | 491   | 465   |
| 773   | 716   | 791   | 1,360 | 509   | 1,280 | 1,260 |
| 276   | 260   | 238   | 235   | 248   | 284   | 273   |
| 622   | 583   | 652   | 695   | 547   | 632   | 618   |
| 2,430 | 2,360 | 2,310 | 1,900 | 1,720 | 1,620 | 1,360 |
| 955   | 660   | 1,400 | 2,200 | 1,020 | 2,180 | 1,040 |
| --    | --    | --    | --    | --    | --    | --    |
| 581   | 682   | 770   | 842   | 940   | 1,030 | 1,140 |
| 248   | 204   | 271   | 281   | 250   | 282   | 246   |
| --    | --    | --    | --    | --    | --    | --    |
| 123   | 86    | 167   | 206   | 145   | 215   | 127   |
| 186   | 141   | 189   | 237   | 165   | 263   | 143   |
| --    | --    | --    | --    | --    | --    | --    |
| 291   | 188   | 309   | 365   | 274   | 373   | 248   |
| 279   | 289   | 316   | 366   | 344   | 340   | 299   |
| --    | --    | --    | --    | --    | --    | --    |
| 2,280 | 1,830 | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 748   | 705   | 729   | --    | --    | --    | --    |
| 697   | 686   | 683   | 685   | 692   | 700   | 714   |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| --    | --    | --    | --    | --    | --    | --    |
| 177   | 185   | 304   | 343   | 338   | 290   | 325   |



|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
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| 69  | 56  | 79  | 76  | 79  | 84  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| 255 | 238 | 275 | 306 | 331 | 365 | --  |
| --  | --  | --  | --  | --  | --  | --  |
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| --  | --  | --  | --  | --  | --  | --  |
| 143 | 166 | 168 | 165 | 177 | 180 | 176 |
| 233 | 225 | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| --  | --  | --  | --  | --  | --  | --  |
| 15  | 15  | 15  | 16  | 17  | 15  | 14  |
| 57  | 52  | 53  | 63  | 77  | 65  | 57  |
| 15  | 13  | 14  | 15  | 18  | 16  | 14  |
| 26  | 25  | 26  | 28  | 30  | 28  | 28  |

|     |     |     |     |     |     |    |
|-----|-----|-----|-----|-----|-----|----|
| 44  | 43  | 45  | 49  | 44  | 49  | 52 |
| 51  | 52  | 54  | 62  | 57  | 66  | 63 |
| 26  | 26  | 26  | 32  | 37  | 32  | 27 |
| 42  | 47  | 45  | 56  | 79  | 66  | -- |
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| --  | --  | --  | --  | --  | --  | -- |
| 421 | 317 | 518 | 501 | 493 | 527 | -- |
| 402 | 388 | 577 | 545 | 573 | 587 | -- |
| --  | --  | --  | --  | --  | --  | -- |
| --  | --  | --  | --  | --  | --  | -- |

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**Appendix 11. Annual dissolved-solids load for 420 surface-water-quality monitoring sites in the So**  
 [Data are in tons per year; periods are water years from October 1 to September 30; "--" data not available]

| <b>USGS site identifier</b> | <b>Name</b>   | <b>1974</b> | <b>1975</b> | <b>1976</b> | <b>1977</b> | <b>1978</b> |
|-----------------------------|---|-------------|-------------|-------------|-------------|-------------|
| 08217500                    | Rio Grande at Wagon Wheel Gap, CO                     | --          | --          | --          | --          | --          |
| 08251500                    | Rio Grande near Lobatos, CO                           | --          | 71,570      | 61,940      | 20,290      | 37,340      |
| 08263500                    | Rio Grande near Cerro, NM                             | --          | --          | --          | --          | --          |
| 08265000                    | Red River near Questa, NM                             | --          | --          | --          | --          | --          |
| 08266820                    | Red River below Fish Hatchery, near Questa, NM        | --          | --          | --          | --          | --          |
| 08267500                    | Rio Hondo near Valdez, NM                             | --          | --          | --          | --          | --          |
| 08276300                    | Rio Pueblo De Taos below Los Cordovas, NM             | --          | --          | --          | --          | --          |
| 08276500                    | Rio Grande below Taos Junction Bridge near Taos, NM   | --          | 108,300     | 96,900      | 52,800      | 71,460      |
| 08279000                    | Embudo Creek at Dixon, NM                             | 5,921       | 12,480      | 9,415       | 5,622       | 7,822       |
| 08284100                    | Rio Chama near La Puente, NM                          | --          | --          | --          | --          | --          |
| 08286500                    | Rio Chama above Abiquiu Reservoir, NM                 | --          | --          | 120,600     | 64,030      | 90,660      |
| 08287000                    | Rio Chama below Abiquiu Dam, NM                       | --          | --          | 252,900     | 82,400      | 129,100     |
| 08290000                    | Rio Chama near Chamita, NM                            | 125,600     | 129,100     | 127,700     | 66,770      | 103,400     |
| 08313000                    | Rio Grande at Otowi Bridge, NM                        | 222,700     | 299,300     | 261,000     | 156,500     | 228,200     |
| 08317200                    | Santa Fe River above Cochiti Lake, NM                 | --          | --          | --          | --          | --          |
| 08319000                    | Rio Grande at San Felipe, NM                          | --          | 268,300     | 245,500     | 127,500     | 188,000     |
| 08324000                    | Jemez River near Jemez, NM                            | --          | --          | --          | --          | --          |
| 08329000                    | Jemez River below Jemez Canyon Dam, NM                | 17,510      | 49,210      | 14,720      | 12,340      | 24,690      |
| 08330000                    | Rio Grande at Albuquerque, NM                         | --          | --          | --          | --          | --          |
| 08332010                    | Rio Grande floodway near Bernardo, NM                 | 261,400     | 458,700     | 291,700     | 119,500     | 219,200     |
| 08353000                    | Rio Puerco near Bernardo, NM                          | 10,230      | 65,480      | 13,240      | 38,790      | 7,999       |
| 08354000                    | Rio Salado near San Acacia, NM                        | 3,023       | 12,110      | 1,128       | 12,280      | 454         |
| 08354900                    | Rio Grande floodway at San Acacia, NM                 | --          | 749,100     | 389,800     | 302,200     | 229,800     |
| 08358400                    | Rio Grande floodway at San Marcial, NM                | 527,200     | 555,100     | 424,500     | 188,100     | 253,400     |
| 08364000                    | Rio Grande at El Paso, TX                             | --          | --          | 378,100     | 275,000     | 186,600     |
| 08477110                    | Mimbres River at Mimbres, NM                          | --          | --          | --          | --          | --          |
| 08481500                    | Tularosa Creek near Bent, NM                          | 12,080      | 11,800      | 11,730      | 11,820      | 11,900      |
| 09010500                    | Colorado River below Baker Gulch, near Grand Lake, CO | --          | --          | --          | --          | --          |
| 09022000                    | Fraser River at upper station, near Winter Park, CO   | --          | --          | --          | --          | --          |
| 09024000                    | Fraser River at Winter Park, CO                       | --          | --          | --          | --          | --          |
| 09025000                    | Vasquez Creek at Winter Park, CO                      | --          | --          | --          | --          | --          |
| 09025400                    | Elk Creek near Fraser, CO                             | --          | --          | --          | --          | --          |
| 09026500                    | St. Louis Creek near Fraser, CO                       | --          | --          | --          | --          | --          |
| 09032000                    | Ranch Creek near Fraser, CO                           | --          | --          | --          | --          | --          |
| 09032100                    | Cabin Creek near Fraser, CO                           | --          | --          | --          | --          | --          |
| 09034250                    | Colorado River at Windy Gap, near Granby, CO          | --          | --          | --          | --          | --          |

|          |  |        |        |        |       |        |
|----------|--|--------|--------|--------|-------|--------|
| 09034500 | Colorado River at Hot Sulphur Springs, CO              | 24,450 | 14,680 | 11,610 | 9,530 | 15,960 |
| 09034900 | Bobtail Creek near Jones Pass, CO                      | --     | --     | --     | --    | --     |
| 09035500 | Williams Fork below Steelman Creek, CO                 | --     | --     | --     | --    | --     |
| 09035700 | Williams Fork above Darling Creek, near Leal, CO       | --     | --     | --     | --    | --     |
| 09035800 | Darling Creek near Leal, CO                            | --     | --     | --     | --    | --     |
| 09035900 | South Fork of Williams Fork near Leal, CO              | --     | --     | --     | --    | --     |
| 09036000 | Williams Fork near Leal, CO                            | --     | --     | --     | --    | --     |
| 09037500 | Williams Fork near Parshall, CO                        | --     | --     | --     | --    | --     |
| 09038500 | Williams Fork below Williams Fork Reservoir, CO        | --     | --     | --     | --    | --     |
| 09039000 | Troublesome Creek near Pearmont, CO                    | --     | --     | --     | --    | --     |
| 09041500 | Muddy Creek at Kremmling, CO                           | --     | --     | --     | --    | --     |
| 09046490 | Blue River at Blue River, CO                           | --     | --     | --     | --    | --     |
| 09046600 | Blue River near Dillon, CO                             | --     | --     | --     | --    | --     |
| 09047500 | Snake River near Montezuma, CO                         | --     | --     | --     | --    | --     |
| 09047700 | Keystone Gulch near Dillon, CO                         | --     | --     | --     | --    | --     |
| 09050100 | Tenmile Creek below North Tenmile Creek, at Frisco, CO | --     | --     | --     | --    | --     |
| 09050700 | Blue River below Dillon, CO                            | --     | --     | --     | --    | --     |
| 09051050 | Straight Creek below Laskey Gulch near Dillon, CO      | --     | --     | --     | --    | --     |
| 09052000 | Rock Creek near Dillon, CO                             | --     | --     | --     | --    | --     |
| 09052400 | Boulder Creek at upper station, near Dillon, CO        | --     | --     | --     | --    | --     |
| 09052800 | Slate Creek at upper station, near Dillon, CO          | --     | --     | --     | --    | --     |
| 09054000 | Black Creek below Black Lake, near Dillon, CO          | --     | --     | --     | --    | --     |
| 09055300 | Cataract Creek near Kremmling, CO                      | --     | --     | --     | --    | --     |
| 09057500 | Blue River below Green Mountain Reservoir, CO          | --     | --     | --     | --    | --     |
| 09058000 | Colorado River near Kremmling, CO                      | --     | --     | --     | --    | --     |
| 09058500 | Piney River below Piney Lake, near Minturn, CO         | --     | --     | --     | --    | --     |
| 09058610 | Dickson Creek near Vail, CO                            | --     | --     | --     | --    | --     |
| 09058700 | Freeman Creek near Minturn, CO                         | --     | --     | --     | --    | --     |
| 09058800 | East Meadow Creek near Minturn, CO                     | --     | --     | --     | --    | --     |
| 09059500 | Piney River near state bridge, CO                      | --     | --     | --     | --    | --     |
| 09060550 | Rock Creek at Crater, CO                               | --     | --     | --     | --    | --     |
| 09060770 | Rock Creek at McCoy, CO                                | --     | --     | --     | --    | --     |
| 09063000 | Eagle River at Red Cliff, CO                           | --     | --     | --     | --    | --     |
| 09063200 | Wearyman Creek near Red Cliff, CO                      | --     | --     | --     | --    | --     |
| 09063400 | Turkey Creek near Red Cliff, CO                        | --     | --     | --     | --    | --     |
| 09063900 | Missouri Creek near Gold Park, CO                      | --     | --     | --     | --    | --     |
| 09064000 | Homestake Creek at Gold Park, CO                       | --     | --     | --     | --    | --     |
| 09064500 | Homestake Creek near Red Cliff, CO                     | --     | --     | --     | --    | --     |
| 09064600 | Eagle River near Minturn, CO                           | --     | --     | --     | --    | --     |
| 09065100 | Cross Creek near Minturn, CO                           | --     | --     | --     | --    | --     |
| 09065500 | Gore Creek at upper station, near Minturn, CO          | --     | --     | --     | --    | --     |

|          |   |           |           |           |           |           |
|----------|---|-----------|-----------|-----------|-----------|-----------|
| 09066000 | Black Gore Creek near Minturn, CO                             | --        | --        | --        | --        | --        |
| 09066100 | Bighorn Creek near Minturn, CO                                | --        | --        | --        | --        | --        |
| 09066150 | Pitkin Creek near Minturn, CO                                 | --        | --        | --        | --        | --        |
| 09066200 | Booth Creek near Minturn, CO                                  | --        | --        | --        | --        | --        |
| 09066300 | Middle Creek near Minturn, CO                                 | --        | --        | --        | --        | --        |
| 09066310 | Gore Creek, lower station, at Vail, CO                        | --        | --        | --        | --        | --        |
| 09066400 | Red Sandstone Creek near Minturn, CO                          | --        | --        | --        | --        | --        |
| 09067000 | Beaver Creek at Avon, CO                                      | --        | 939       | 872       | 598       | 1,059     |
| 09067005 | Eagle River at Avon, CO                                       | --        | --        | --        | --        | --        |
| 09067200 | Lake Creek near Edwards, CO                                   | --        | --        | --        | --        | --        |
| 09070000 | Eagle River below Gypsum, CO                                  | --        | --        | --        | --        | --        |
| 09070500 | Colorado River near Dotsero, CO                               | 458,000   | 430,400   | 387,900   | 309,100   | 401,500   |
| 09071300 | Grizzly Creek near Glenwood Springs, CO                       | --        | --        | --        | --        | --        |
| 09073300 | Roaring Fork River above Difficult Creek near Aspen, CO       | --        | --        | --        | --        | --        |
| 09073400 | Roaring Fork River near Aspen, CO                             | --        | --        | --        | --        | --        |
| 09074000 | Hunter Creek near Aspen, CO                                   | --        | --        | --        | --        | --        |
| 09074800 | Castle Creek above Aspen, CO                                  | --        | --        | --        | --        | --        |
| 09075700 | Maroon Creek above Aspen, CO                                  | --        | --        | --        | --        | --        |
| 09080400 | Fryingpan River near Ruedi, CO                                | --        | --        | --        | --        | --        |
| 09081600 | Crystal River above Avalanche Creek, near Redstone, CO        | --        | --        | --        | --        | --        |
| 09085000 | Roaring Fork River at Glenwood Springs, CO                    | 302,500   | 311,800   | 280,700   | 195,800   | 287,300   |
| 09085100 | Colorado River below Glenwood Springs, CO                     | --        | --        | --        | --        | --        |
| 09089500 | West Divide Creek near Raven, CO                              | --        | --        | --        | --        | --        |
| 09093000 | Parachute Creek near Parachute, CO                            | --        | --        | 5,356     | 969       | 8,782     |
| 09093700 | Colorado River near De Beque, CO                              | 1,461,000 | 1,443,000 | 1,322,000 | 1,063,000 | 1,318,000 |
| 09095500 | Colorado River near Cameo, CO                                 | 1,575,000 | 1,557,000 | 1,454,000 | 1,208,000 | 1,436,000 |
| 09105000 | Plateau Creek near Cameo, CO                                  | --        | --        | --        | --        | --        |
| 09106150 | Colorado River below Grand Valley Diversion near Palisade, CO | --        | --        | --        | --        | --        |
| 09107000 | Taylor River at Taylor Park, CO                               | --        | --        | --        | --        | --        |
| 09109000 | Taylor River below Taylor Park Reservoir, CO                  | --        | --        | --        | --        | --        |
| 09110000 | Taylor River at Almont, CO                                    | --        | --        | --        | --        | --        |
| 09111500 | Slate River near Crested Butte, CO                            | --        | --        | --        | --        | --        |
| 09112200 | East River below Cement Creek, near Crested Butte, CO         | --        | --        | --        | --        | --        |
| 09112500 | East River at Almont, CO                                      | --        | --        | --        | --        | --        |
| 09114500 | Gunnison River near Gunnison, CO                              | --        | --        | --        | --        | --        |
| 09115500 | Tomichi Creek at Sargents, CO                                 | --        | --        | --        | --        | --        |
| 09118450 | Cochetopa Creek below Rock Creek, near Parlin, CO             | --        | --        | --        | --        | --        |
| 09119000 | Tomichi Creek at Gunnison, CO                                 | --        | --        | --        | --        | --        |
| 09124500 | Lake Fork at Gateview, CO                                     | --        | --        | --        | --        | --        |
| 09126000 | Cimarron River near Cimarron, CO                              | --        | --        | --        | --        | --        |
| 09128000 | Gunnison River below Gunnison Tunnel, CO                      | --        | --        | --        | --        | --        |
| 09128500 | Smith Fork near Crawford, CO                                  | --        | --        | --        | --        | --        |

|          |   |           |           |           |           |           |
|----------|---|-----------|-----------|-----------|-----------|-----------|
| 09132500 | North Fork Gunnison River near Somerset, CO             | --        | --        | --        | --        | 35,720    |
| 09134000 | Minnesota Creek near Paonia, CO                         | --        | --        | --        | --        | --        |
| 09135900 | Leroux Creek at Hotchkiss, CO                           | --        | --        | --        | --        | --        |
| 09143000 | Surface Creek near Cedaredge, CO                        | --        | --        | --        | --        | --        |
| 09143500 | Surface Creek at Cedaredge, CO                          | --        | --        | --        | --        | --        |
| 09144250 | Gunnison River at Delta, CO                             | --        | --        | --        | --        | --        |
| 09146200 | Uncompahgre River near Ridgway, CO                      | --        | --        | --        | --        | --        |
| 09147000 | Dallas Creek near Ridgway, CO                           | --        | --        | --        | --        | --        |
| 09147025 | Uncompahgre River below Ridgway Reservoir, CO           | --        | --        | --        | --        | --        |
| 09147500 | Uncompahgre River at Colona, CO                         | --        | --        | --        | --        | --        |
| 09149500 | Uncompahgre River at Delta, CO                          | 330,200   | 339,000   | 297,200   | 235,700   | 274,000   |
| 09152500 | Gunnison River near Grand Junction, CO                  | 1,234,000 | 1,277,000 | 1,136,000 | 889,700   | 1,071,000 |
| 09153290 | Reed Wash near Mack, CO                                 | --        | --        | --        | --        | --        |
| 09153300 | Reed Wash near Loma, CO                                 | 129,400   | 132,400   | 135,100   | 139,800   | 142,200   |
| 09163490 | Salt Creek near Mack, CO                                | 111,200   | 119,100   | 123,800   | 130,500   | 126,200   |
| 09163500 | Colorado River near Colorado-Utah State Line            | --        | --        | --        | --        | --        |
| 09165000 | Dolores River below Rico, CO                            | --        | --        | --        | --        | --        |
| 09166500 | Dolores River at Dolores, CO                            | --        | --        | --        | --        | --        |
| 09166950 | Lost Canyon Creek near Dolores, CO                      | --        | --        | --        | --        | --        |
| 09169500 | Dolores River at Bedrock, CO                            | --        | --        | --        | --        | --        |
| 09171100 | Dolores River near Bedrock, CO                          | --        | --        | --        | --        | --        |
| 09172500 | San Miguel River near Placerville, CO                   | --        | --        | --        | --        | --        |
| 09177000 | San Miguel River at Uravan, CO                          | 95,450    | 124,700   | 90,470    | 57,600    | 117,500   |
| 09180000 | Dolores River near Cisco, UT                            | 443,200   | 593,200   | 470,900   | 291,200   | 547,900   |
| 09180500 | Colorado River near Cisco, UT                           | 3,640,000 | 3,783,000 | 3,351,000 | 2,668,000 | 3,471,000 |
| 09183000 | Courthouse Wash near Moab, UT                           | 578       | 683       | 899       | 852       | 553       |
| 09184000 | Mill Creek near Moab, UT                                | 2,654     | 2,321     | 1,835     | 1,165     | 2,017     |
| 09205000 | New Fork River near Big Piney, WY                       | 62,940    | 60,310    | 61,030    | 37,150    | 67,070    |
| 09209400 | Green River near La Barge, WY                           | 326,000   | 311,400   | 340,200   | 148,000   | 355,700   |
| 09211200 | Green River below Fontenelle Reservoir, WY              | 445,300   | 394,200   | 441,200   | 186,900   | 426,000   |
| 09215550 | Big Sandy River below Farson, WY                        | --        | --        | --        | --        | --        |
| 09216050 | Big Sandy River at Gasson Bridge, near Eden, WY         | --        | 168,200   | 163,900   | 136,600   | 137,200   |
| 09217000 | Green River near Green River, WY                        | 674,400   | 608,300   | 655,400   | 323,000   | 618,900   |
| 09222000 | Blacks Fork near Lyman, WY                              | 138,400   | 150,500   | 93,530    | 29,610    | 95,820    |
| 09224700 | Blacks Fork near Little America, WY                     | 258,400   | 250,800   | 209,700   | 33,360    | 179,000   |
| 09234500 | Green River near Greendale, UT                          | 880,200   | 1,205,000 | 1,274,000 | 1,300,000 | 735,500   |
| 09235600 | Pot Creek above Diversions, near Vernal, UT             | 414       | 753       | 367       | 48        | 180       |
| 09235800 | Pot Creek near Vernal, UT                               | 129       | 504       | 195       | 23        | 43        |
| 09237450 | Yampa River above Stagecoach Reservoir, CO              | --        | --        | --        | --        | --        |
| 09237500 | Yampa River below Stagecoach Reservoir, CO              | --        | --        | --        | --        | --        |
| 09238900 | Fish Creek at upper station, near Steamboat Springs, CO | --        | --        | --        | --        | --        |
| 09239500 | Yampa River at Steamboat Springs, CO                    | --        | 40,460    | 34,260    | 20,820    | 43,870    |
| 09242500 | Elk River near Milner, CO                               | --        | --        | --        | --        | --        |



|          |  |           |           |           |           |           |
|----------|--|-----------|-----------|-----------|-----------|-----------|
| 09243700 | Middle Creek near Oak Creek, CO                            | --        | --        | --        | --        | --        |
| 09243800 | Foidel Creek near Oak Creek, CO                            | --        | --        | --        | --        | --        |
| 09243900 | Foidel Creek at Mouth, near Oak Creek, CO                  | --        | --        | --        | --        | --        |
| 09244410 | Yampa River below Diversion, near Hayden, CO               | --        | 102,600   | 81,950    | 42,130    | 117,100   |
| 09245000 | Elkhead Creek near Elkhead, CO                             | --        | --        | --        | --        | --        |
| 09247600 | Yampa River below Craig, CO                                | --        | --        | --        | --        | --        |
| 09249750 | Williams Fork at Mouth, near Hamilton, CO                  | --        | --        | --        | --        | --        |
| 09251000 | Yampa River near Maybell, CO                               | 294,000   | 255,000   | 218,800   | 125,600   | 311,600   |
| 09253000 | Little Snake River near Slater, CO                         | --        | 16,300    | 14,800    | 7,213     | 17,230    |
| 09255000 | Slater Fork near Slater, CO                                | --        | --        | --        | --        | --        |
| 09260000 | Little Snake River near Lily, CO                           | 149,200   | 127,300   | 123,800   | 45,390    | 144,300   |
| 09260050 | Yampa River at Deerlodge Park, CO                          | --        | --        | --        | --        | --        |
| 09261000 | Green River near Jensen, UT                                | 1,576,000 | 1,632,000 | 1,557,000 | 1,358,000 | 1,387,000 |
| 09261700 | Big Brush Creek above Red Fleet Reservoir, near Vernal, UT | --        | --        | --        | --        | --        |
| 09266500 | Ashley Creek near Vernal, UT                               | 5,004     | 7,272     | 5,392     | 3,064     | 4,816     |
| 09270500 | Dry Fork at mouth, near Dry Fork, UT                       | 1,721     | 6,002     | 3,558     | 638       | 2,816     |
| 09271500 | Ashley Creek near Jensen, UT                               | 43,720    | 57,400    | 48,350    | 20,240    | 21,330    |
| 09275500 | West Fork Duchesne River near Hanna, UT                    | 12,290    | 13,390    | 10,090    | 5,080     | 10,940    |
| 09276000 | Wolf Creek above Rhoades Canyon near Hanna, UT             | 1,529     | 1,781     | 1,364     | 654       | 954       |
| 09278000 | South Fork Rock Creek near Hanna, UT                       | 968       | 1,384     | 984       | 521       | 1,077     |
| 09278500 | Rock Creek near Hanna, UT                                  | --        | 5,262     | 3,551     | 2,256     | 4,517     |
| 09279000 | Rock Creek near Mountain Home, UT                          | 8,116     | 9,585     | 7,379     | 5,588     | 8,653     |
| 09279100 | Rock Creek near Talmage, UT                                | 13,110    | 15,290    | 13,190    | 10,380    | 15,000    |
| 09279150 | Duchesne River above Knight Diversion, near Duchesne, UT   | 60,980    | 65,370    | 52,700    | 38,180    | 55,260    |
| 09280400 | Hobble Creek at Daniels Summit, near Wallsburg, UT         | 156       | 188       | 109       | 27        | 173       |
| 09285000 | Strawberry River near Soldier Springs, UT                  | 3,682     | 3,778     | 3,511     | 2,178     | 2,084     |
| 09287500 | Water Hollow near Fruitland, UT                            | 454       | 562       | 410       | 315       | 265       |
| 09288000 | Currant Creek near Fruitland, UT                           | 8,236     | 10,250    | 8,639     | 4,844     | 9,745     |
| 09288150 | West Fork Avintaquin Creek near Fruitland, UT              | 2,386     | 4,813     | 1,864     | 393       | 5,098     |
| 09288180 | Strawberry River near Duchesne, UT                         | 38,260    | 50,970    | 38,530    | 24,320    | 45,400    |
| 09288900 | Sowers Creek near Duchesne, UT                             | 67,790    | 95,290    | 69,840    | 47,370    | 67,250    |
| 09292500 | Yellowstone River near Altonah, UT                         | 4,525     | 5,272     | 4,789     | 3,962     | 4,813     |
| 09295000 | Duchesne River at Myton, UT                                | 173,800   | 141,800   | 121,800   | 54,940    | 124,400   |
| 09297000 | Uinta River near Neola, UT                                 | 5,096     | 8,108     | 5,629     | 4,716     | 5,928     |
| 09298000 | Farm Creek near Whiterocks, UT                             | 626       | 936       | 876       | 557       | 823       |
| 09299500 | Whiterocks River near Whiterocks, UT                       | 3,942     | 6,921     | 4,686     | 3,419     | 4,530     |
| 09302000 | Duchesne River near Randlett, UT                           | 325,000   | 297,700   | 251,300   | 129,800   | 225,200   |
| 09303000 | North Fork White River at Burford, CO                      | --        | --        | --        | 34,030    | 52,030    |
| 09303300 | South Fork White River at Budes Resort, CO                 | --        | --        | --        | --        | --        |
| 09303400 | South Fork White River near Budes Resort, CO               | --        | --        | --        | --        | --        |
| 09303500 | South Fork White River near Buford, CO                     | --        | --        | --        | --        | --        |

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| 09304000 | South Fork White River at Buford, CO                                  | --        | --        | --        | 21,090    | 42,650    |
| 09304200 | White River above Coal Creek, near Meeker, CO                         | 111,300   | 115,800   | 93,620    | 52,020    | 107,000   |
| 09304500 | White River near Meeker, CO   | --        | --        | --        | --        | --        |
| 09304800 | White River below Meeker, CO  | 203,700   | 209,700   | 176,500   | 127,200   | 202,000   |
| 09306007 | Piceance Creek below Rio Blanco, CO                                   | --        | 7,991     | 6,436     | 3,505     | 6,294     |
| 09306022 | Stewart Gulch above West Fork, near Rio Blanco, CO                    | --        | 1,791     | 1,688     | 1,256     | 1,124     |
| 09306058 | Willow Creek near Rio Blanco, CO                                      | --        | --        | 1,960     | 1,184     | 837       |
| 09306200 | Piceance Creek below Ryan Gulch, near Rio Blanco, CO                  | 25,970    | 27,980    | 24,530    | 13,920    | 16,360    |
| 09306222 | Piceance Creek at White River, CO                                     | 43,690    | 44,490    | 36,830    | 23,170    | 25,960    |
| 09306235 | Corral Gulch below Water Gulch, near Rangely, CO                      | --        | 115       | 106       | 44        | 126       |
| 09306242 | Corral Gulch near Rangely, CO   | --        | 743       | 460       | 304       | 1,804     |
| 09306255 | Yellow Creek near White River, CO                                     | --        | --        | --        | --        | --        |
| 09306290 | White River below Boise Creek, near Rangely, CO                       | --        | --        | --        | --        | --        |
| 09306410 | Evacuation Creek above Missouri Creek, near Dragon, UT                | --        | 2,300     | 2,751     | 1,693     | 1,927     |
| 09306430 | Evacuation Creek near mouth, near Watson, UT                          | --        | 2,659     | 3,254     | 1,372     | 1,340     |
| 09306500 | White River near Watson, UT   | --        | --        | --        | --        | --        |
| 09306800 | Bitter Creek near Bonanza, UT   | 11,940    | 6,144     | 9,107     | 4,796     | 1,895     |
| 09306850 | Bitter Creek at mouth, near Bonanza, UT                               | --        | 9,939     | 10,610    | 8,517     | 8,105     |
| 09306900 | White River at mouth, near Ouray, UT                                  | --        | 319,600   | 259,300   | 171,700   | 296,500   |
| 09307200 | Pariette Draw near Ouray, UT  | --        | --        | 51,560    | 47,940    | 50,440    |
| 09307300 | Pariette Draw at mouth, near Ouray, UT                                | --        | --        | 36,770    | 29,670    | 40,250    |
| 09307500 | Willow Creek above diversions, near Ouray, UT                         | --        | 10,980    | 9,372     | 6,909     | 7,487     |
| 09308000 | Willow Creek near Ouray, UT   | --        | 23,270    | 20,540    | 11,510    | 12,210    |
| 09308500 | Minnie Maud Creek near Myton, UT                                      | 930       | 2,624     | 1,389     | 424       | 2,232     |
| 09310000 | Gooseberry Creek near Scofield, UT                                    | 4,034     | 5,658     | 3,296     | 1,013     | 6,419     |
| 09310500 | Fish Creek above reservoir, near Scofield, UT                         | 7,409     | 10,900    | 6,427     | 1,979     | 11,760    |
| 09312600 | White River below Tabbyune Creek, near Soldier Summit, UT             | 12,520    | 16,730    | 7,577     | 1,091     | 14,150    |
| 09312700 | Beaver Creek near Soldier Summit, UT                                  | 780       | 1,656     | 831       | 135       | 550       |
| 09312800 | Willow Creek near Castle Gate, UT                                     | 1,368     | 4,262     | 1,587     | 509       | 4,076     |
| 09314250 | Price River below Miller Creek, near Wellington, UT                   | 90,600    | 141,900   | 89,490    | 51,820    | 80,320    |
| 09314280 | Desert Seep Wash near Wellington, UT                                  | 68,510    | 101,500   | 76,510    | 34,830    | 42,310    |
| 09315000 | Green River at Green River, UT  | 2,700,000 | 2,890,000 | 2,566,000 | 2,119,000 | 2,363,000 |
| 09324500 | Cottonwood Creek near Orangeville, UT                                 | --        | --        | 16,890    | 7,507     | 15,050    |
| 09326500 | Ferron Creek (upper station) near Ferron, UT                          | 18,810    | 28,450    | 13,350    | 7,338     | 21,410    |
| 09328000 | San Rafael River near Castle Dale, UT                                 | 156,400   | 231,600   | 123,200   | 56,400    | 107,600   |
| 09328100 | San Rafael River at San Rafael Bridge Campground, near Carbondale, UT | --        | --        | 120,700   | 64,670    | 105,300   |
| 09328500 | San Rafael River near Green River, UT                                 | 127,600   | 206,900   | 94,920    | 58,590    | 105,900   |
| 09329050 | Seven Mile Creek near Fish Lake, UT                                   | 1,514     | 1,405     | 1,101     | 684       | 973       |
| 09330000 | Fremont River near Bicknell, UT                                       | --        | --        | --        | 27,120    | 23,520    |

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| 09330230 | Fremont River near Caineville, UT                                  | 28,370    | 29,870    | 27,140    | 30,670    | 25,810    |
| 09332100 | Muddy Creek below I-70, near Emery, UT                             | 44,730    | 45,610    | 28,210    | 16,320    | 35,060    |
| 09332700 | Muddy Creek at Delta Mine, near Hanksville, UT                     | --        | --        | 18,160    | 7,342     | 27,340    |
| 09333500 | Dirty Devil River above Poison Spring Wash, near Hanksville, UT    | 104,600   | 127,600   | 100,800   | 102,300   | 136,600   |
| 09337000 | Pine Creek near Escalante, UT                                      | 904       | 795       | 770       | 158       | 672       |
| 09337500 | Escalante River near Escalante, UT                                 | 5,267     | 3,917     | 3,738     | 2,576     | 2,002     |
| 09339900 | East Fork San Juan River above Sand Creek, near Pagosa Springs, CO | --        | --        | --        | --        | --        |
| 09342500 | San Juan River at Pagosa Springs, CO                               | --        | --        | --        | --        | --        |
| 09346000 | Navajo River at Edith, CO  | --        | --        | --        | --        | --        |
| 09346400 | San Juan River near Carracas, CO                                   | --        | --        | --        | --        | --        |
| 09349800 | Piedra River near Arboles, CO                                      | --        | --        | --        | --        | --        |
| 09352900 | Vallecito Creek near Bayfield, CO                                  | 2,962     | 5,607     | 4,136     | 2,314     | 3,966     |
| 09354500 | Los Pinos River at La Boca, CO                                     | --        | --        | --        | --        | --        |
| 09355000 | Spring Creek at La Boca, CO  | --        | --        | --        | --        | --        |
| 09355500 | San Juan River near Archuleta, NM                                  | 184,300   | 229,600   | 164,600   | 104,700   | 96,090    |
| 09359020 | Animas River below Silverton, CO                                   | --        | --        | --        | --        | --        |
| 09361500 | Animas River at Durango, CO  | --        | --        | --        | --        | --        |
| 09363500 | Animas River near Cedar Hill, NM                                   | --        | --        | --        | --        | --        |
| 09364500 | Animas River at Farmington, NM                                     | 147,700   | 273,200   | 182,600   | 103,700   | 204,400   |
| 09367561 | Shumway Arroyo near Waterflow, NM                                  | --        | 5,122     | 5,486     | 5,458     | 14,080    |
| 09367950 | Chaco River near Waterflow, NM                                     | --        | --        | 28,320    | 49,190    | 43,740    |
| 09368000 | San Juan River at Shiprock, NM                                     | 554,500   | 756,300   | 526,000   | 355,700   | 452,400   |
| 09371000 | Mancos River near Towaoc, CO                                       | --        | --        | --        | --        | --        |
| 09371010 | San Juan River at Four Corners, CO                                 | --        | --        | --        | --        | 572,700   |
| 09371492 | Mud Creek at State Highway 32, near Cortez, CO                     | --        | --        | --        | --        | --        |
| 09371500 | McElmo Creek near Cortez, CO                                       | --        | --        | --        | --        | --        |
| 09371520 | McElmo Creek above Trail Canyon, near Cortez, CO                   | --        | --        | --        | --        | --        |
| 09372000 | McElmo Creek near Colorado-Utah state line                         | --        | --        | --        | --        | 64,250    |
| 09378200 | Montezuma Creek at golf course at Monticello, UT                   | --        | --        | --        | --        | --        |
| 09378630 | Recapture Creek near Blanding, UT                                  | 22        | 147       | 64        | 3         | 241       |
| 09378650 | Recapture Creek below Johnson Creek, near Blanding, UT             | --        | --        | --        | --        | 1,301     |
| 09378700 | Cottonwood Wash near Blanding, UT                                  | 1,121     | 3,577     | 670       | 599       | 2,423     |
| 09379500 | San Juan River near Bluff, UT                                      | 747,000   | 1,001,000 | 776,700   | 508,300   | 646,900   |
| 09380000 | Colorado River at Lees Ferry, AZ                                   | 6,094,000 | 6,631,000 | 6,153,000 | 6,243,000 | 6,786,000 |
| 09383400 | Little Colorado River at Greer, AZ                                 | --        | --        | 832       | 443       | 669       |
| 09384000 | Little Colorado River above Lyman Lake, near St. Johns, AZ         | --        | --        | 3,203     | 2,482     | 3,031     |
| 09386950 | Zuni River above Black Rock Reservoir, NM                          | --        | --        | --        | --        | --        |
| 09403600 | Kanab Creek near Kanab, UT   | --        | --        | --        | --        | --        |
| 09404450 | East Fork Virgin River near Glendale, UT                           | 4,031     | 4,223     | 3,699     | 2,962     | 5,623     |
| 09406000 | Virgin River at Virgin, UT   | --        | --        | --        | --        | --        |
| 09409880 | Santa Clara River at Gunlock, UT                                   | 3,143     | 2,815     | 2,617     | 1,889     | 5,719     |
| 09415000 | Virgin River at Littlefield, AZ                                    | 238,600   | 265,900   | 241,300   | 224,200   | 398,500   |

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| 09419515  | Muddy River above Lake Mead, near Overton, NV                             | --        | --        | --        | --        | --        |
| 094196783 | Las Vegas Wash below Flamingo Wash confluence, near Las Vegas, NV         | --        | --        | --        | --        | --        |
| 09419800  | Las Vegas Wash below Lake Las Vegas, near Boulder City, NV                | 200,400   | 238,800   | 230,900   | 234,900   | 222,500   |
| 09421500  | Colorado River below Hoover Dam, AZ-NV                                    | 8,230,000 | 7,732,000 | 7,632,000 | 6,881,000 | 7,077,000 |
| 09424150  | Colorado River Aqueduct near Parker Dam, AZ-CA                            | --        | --        | --        | --        | --        |
| 09426600  | Bill Williams River near Planet, AZ                                       | --        | --        | --        | --        | --        |
| 09426650  | Central Arizona Project Canal at Havasu Pumping Plant                     | --        | --        | --        | --        | --        |
| 09427520  | Colorado River below Parker Dam, AZ-CA                                    | 7,027,000 | 6,682,000 | 6,479,000 | 6,265,000 | 6,299,000 |
| 09429490  | Colorado River above Imperial Dam, AZ-CA                                  | --        | --        | --        | 6,483,000 | 6,394,000 |
| 09430600  | Mogollon Creek near Cliff, NM   | 384,200   | 434,600   | 412,800   | 454,100   | 446,000   |
| 09431500  | Gila River near Bedrock, NM   | 15,400    | 48,450    | 28,050    | 19,390    | 33,670    |
| 09444000  | San Francisco River near Glenwood, NM                                     | 5,817     | 18,780    | 8,626     | 7,015     | 13,830    |
| 09444600  | San Francisco River near Clifton, AZ                                      | --        | --        | 44,010    | 46,900    | 65,550    |
| 09448500  | Gila River at head of Safford Valley, near Solomon, AZ                    | --        | --        | 79,200    | 83,560    | 135,300   |
| 09466500  | Gila River at Calva, AZ   | --        | 260,000   | 169,900   | 136,000   | 239,900   |
| 09471000  | San Pedro River at Charleston, AZ   | --        | --        | --        | 1,551     | 33,720    |
| 09474000  | Gila River at Kelvin, AZ  | 376,000   | 349,700   | 249,500   | 84,110    | 329,700   |
| 09498400  | Pinal Creek at Inspiration Dam, near Globe, AZ                            | --        | --        | --        | --        | --        |
| 09498500  | Salt River near Roosevelt, AZ   | --        | --        | 346,400   | 374,800   | 532,500   |
| 09499000  | Tonto Creek above Gun Creek, near Roosevelt, AZ                           | --        | --        | 17,000    | 5,368     | 55,780    |
| 09502000  | Salt River below Stewart Mountain Dam, AZ                                 | 377,900   | 377,800   | 390,800   | 633,900   | 513,100   |
| 09504000  | Verde River near Clarkdale, AZ  | --        | --        | 15,490    | 22,140    | 36,070    |
| 09504440  | Oak Creek at Red Rock Crossing, near Sedona, AZ                           | --        | --        | --        | --        | --        |
| 09505800  | West Clear Creek near Camp Verde, AZ                                      | --        | --        | --        | --        | --        |
| 09507980  | East Verde River near Childs, AZ  | --        | --        | --        | --        | --        |
| 09508300  | Wet Bottom Creek near Childs, AZ  | 203       | 404       | 541       | 136       | 1,199     |
| 09508500  | Verde River below Tangle Creek, above Horseshoe Dam, AZ                   | --        | --        | --        | --        | --        |
| 09510000  | Verde River below Bartlett Dam, AZ  | 105,800   | 124,900   | 130,600   | 85,110    | 266,000   |
| 09512800  | Agua Fria River near Rock Springs, AZ                                     | --        | --        | --        | --        | --        |
| 09518000  | Gila River above diversions, at Gillespie Dam, AZ                         | 135,200   | 169,400   | 168,600   | 222,200   | 640,600   |
| 09520500  | Gila River near Dome, AZ  | --        | --        | --        | --        | --        |
| 09522000  | Colorado River at Northerly International Boundary, above Morelos Dam, AZ | 1,828,000 | 1,734,000 | 1,831,000 | 1,907,000 | 1,829,000 |
| 09527500  | All-American Canal below Pilot Knob Wasteway, CA                          | 4,259,000 | 4,027,000 | 3,918,000 | 3,634,000 | 3,581,000 |
| 10010400  | East Fork Bear River near Evanston, WY                                    | 3,354     | 3,375     | 2,420     | 1,990     | 2,978     |
| 10011500  | Bear River near Utah-Wyoming state line                                   | 31,660    | 33,560    | 20,550    | 12,100    | 27,360    |
| 10015700  | Sulphur Creek above reservoir below La Chapelle Creek, near Evanston, WY  | 9,295     | 6,260     | 5,765     | 620       | 4,727     |

|          |   |           |           |           |         |         |
|----------|---|-----------|-----------|-----------|---------|---------|
| 10015900 | Sulphur Creek below reservoir, near Evanston, WY                        | 13,450    | 6,712     | 6,248     | 1,112   | 3,900   |
| 10020100 | Bear River above reservoir, near Woodruff, UT                           | 61,250    | 50,190    | 37,030    | 10,810  | 36,280  |
| 10020300 | Bear River below reservoir, near Woodruff, UT                           | 78,440    | 58,720    | 48,800    | 10,300  | 33,660  |
| 10026500 | Bear River near Randolph, UT  | 101,500   | 86,080    | 71,180    | 10,770  | 33,340  |
| 10032000 | Smiths Fork near Border, WY   | 41,990    | 40,270    | 40,930    | 14,940  | 44,900  |
| 10038000 | Bear River below Smiths Fork, near Cokeville, WY                        | 186,900   | 151,800   | 151,700   | 37,280  | 112,800 |
| 10039500 | Bear River at Border, WY  | 194,100   | 169,900   | 162,400   | 35,090  | 117,300 |
| 10041000 | Thomas Fork near Wyoming-Idaho state line                               | 28,710    | 27,120    | 25,860    | 8,440   | 27,700  |
| 10068500 | Bear River at Pescadero, ID   | 289,300   | 193,900   | 273,300   | 236,600 | 103,200 |
| 10092700 | Bear River at Idaho-Utah state line                                     | 984,800   | 508,400   | 601,300   | 511,100 | 458,300 |
| 10093000 | Cub River near Preston, ID  | 13,520    | 14,300    | 12,340    | 4,959   | 14,050  |
| 10099000 | High Creek near Richmond, UT  | --        | --        | --        | --      | --      |
| 10104700 | Little Bear River below Davenport Creek, near Avon, UT                  | 12,530    | 11,910    | 10,090    | 5,433   | 10,140  |
| 10106000 | Little Bear River near Paradise, UT                                     | 27,820    | 25,450    | 20,590    | 10,860  | 21,410  |
| 10109000 | Logan River above State Dam, near Logan, UT                             | 52,060    | 50,290    | 44,760    | 22,260  | 43,310  |
| 10113500 | Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, UT | 33,260    | 31,120    | 28,490    | 15,650  | 23,720  |
| 10118000 | Bear River near Collinston, UT  | 729,900   | 686,700   | 732,800   | 350,600 | 427,300 |
| 10125500 | Malad River at Woodruff, ID   | 151,300   | 168,200   | 179,300   | 137,300 | 143,300 |
| 10125600 | Malad River near Plymouth, UT   | 202,200   | 210,900   | 218,300   | 196,300 | 200,900 |
| 10126000 | Bear River near Corinne, UT   | 1,296,000 | 1,263,000 | 1,289,000 | 772,000 | 900,100 |
| 10126180 | Sulphur Creek near Corinne, UT  | 125,100   | 106,800   | 118,300   | 144,000 | 124,200 |
| 10128500 | Weber River near Oakley, UT   | 24,610    | 25,540    | 20,800    | 11,530  | 21,870  |
| 10130500 | Weber River near Coalville, UT  | 50,420    | 50,560    | 38,230    | 23,830  | 35,940  |
| 10131000 | Chalk Creek at Coalville, UT  | 26,560    | 23,410    | 17,150    | 5,354   | 19,130  |
| 10134500 | East Canyon Creek near Morgan, UT                                       | --        | 24,600    | 17,610    | 11,690  | 15,010  |
| 10136500 | Weber River at Gateway, UT  | 174,700   | 182,800   | 128,000   | 52,080  | 129,800 |
| 10137500 | South Fork Ogden River near Huntsville, UT                              | 22,350    | 23,320    | 17,130    | 7,243   | 17,900  |
| 10139300 | Wheeler Creek near Huntsville, UT                                       | 1,910     | 2,711     | 1,348     | 375     | 1,705   |
| 10141000 | Weber River near Plain City, UT   | 192,700   | 192,600   | 145,300   | 43,930  | 114,600 |
| 10146000 | Salt Creek at Nephi, UT   | 10,340    | 12,520    | 9,170     | 5,761   | 13,880  |
| 10146400 | Currant Creek near Mona, UT   | --        | --        | --        | --      | --      |
| 10148200 | Tie Fork near Soldier Summit, UT  | 2,016     | 2,327     | 1,325     | 654     | 1,521   |
| 10150500 | Spanish Fork at Castilla, UT  | 69,050    | 76,150    | 70,160    | 53,110  | 73,530  |
| 10152000 | Spanish Fork near Lake Shore, UT  | 44,480    | 58,330    | 37,300    | 18,640  | 40,480  |
| 10154200 | Provo River near Woodland, UT   | 17,330    | 17,410    | 14,270    | 8,162   | 15,630  |
| 10155000 | Provo River near Hailstone, UT  | 29,970    | 32,980    | 24,310    | 11,150  | 28,160  |
| 10159500 | Provo River below Deer Creek Dam, UT                                    | 94,760    | 93,070    | 80,200    | 36,250  | 67,870  |
| 10163000 | Provo River at Provo, UT  | 55,200    | 67,000    | 49,420    | 17,950  | 38,360  |
| 10164500 | American Fork above upper powerplant, near American Fork, UT            | 10,000    | 14,070    | 9,346     | 5,206   | 14,200  |
| 10171000 | Jordan River at 1700 South at Salt Lake City, UT                        | 145,000   | 111,800   | 154,000   | 146,700 | 115,900 |

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|----------|--|---------|---------|---------|---------|---------|
| 10172200 | Red Butte Creek at Fort Douglas, near Salt Lake City, UT | 2,075   | 2,238   | 1,261   | 744     | 1,718   |
| 10172700 | Vernon Creek near Vernon, UT                             | 855     | 748     | 659     | 458     | 1,050   |
| 10172800 | South Willow Creek near Grantsville, UT                  | --      | --      | 815     | 512     | 944     |
| 10172805 | North Willow Creek near Grantsville, UT                  | --      | --      | --      | --      | --      |
| 10172870 | Trout Creek near Callao, UT                              | 181     | 313     | 137     | 207     | 321     |
| 10172952 | Dunn Creek near Park Valley, UT                          | --      | --      | --      | --      | 580     |
| 10173450 | Mammoth Creek above West Hatch Ditch, near Hatch, UT     | 2,737   | 4,332   | 3,358   | 1,375   | 4,680   |
| 10174500 | Sevier River at Hatch, UT                                | 12,710  | 15,590  | 13,670  | 9,068   | 18,590  |
| 10176300 | Panguitch Creek near Panguitch, UT                       | 2,773   | 3,104   | 2,779   | 1,301   | 2,174   |
| 10180000 | Sevier River near Circleville, UT                        | 26,690  | 26,270  | 24,600  | 18,210  | 25,970  |
| 10183500 | Sevier River near Kingston, UT                           | 29,020  | 23,380  | 23,190  | 17,290  | 22,230  |
| 10187300 | Otter Creek near Koosharem, UT                           | 967     | 918     | 750     | 679     | 733     |
| 10191500 | Sevier River below Piute Dam, near Marysvale, UT         | 60,160  | 41,650  | 43,200  | 29,500  | 40,630  |
| 10208500 | Oak Creek near Fairview, UT                              | 2,496   | 2,724   | 1,453   | 692     | 3,836   |
| 10219000 | Sevier River near Juab, UT                               | 360,300 | 271,800 | 268,800 | 180,200 | 227,600 |
| 10219200 | Chicken Creek near Levan, UT                             | 3,157   | 2,409   | 1,722   | 708     | 3,659   |
| 10224000 | Sevier River near Lynndyl, UT                            | 254,100 | 198,500 | 213,500 | 152,700 | 177,000 |
| 10237000 | Beaver River at Adamsville, UT                           | 7,083   | 6,328   | 4,766   | 2,910   | 9,699   |
| 10241470 | Center Creek above Parowan Creek, near Parowan, UT       | 1,134   | 1,093   | 948     | 720     | 920     |
| 10242000 | Coal Creek near Cedar City, UT                           | 5,666   | 7,617   | 6,178   | 4,149   | 10,210  |
| 10244950 | Steptoe Creek near Ely, NV                               | 866     | 1,535   | 881     | 670     | 1,646   |
| 10249300 | South Twin River near Round Mountain, NV                 | 325     | 957     | 377     | 437     | 865     |
| 10249900 | Chiatovich Creek near Dyer, NV                           | --      | 334     | 299     | 330     | 473     |
| 10254670 | Alamo River at drop 3, near Calipatria, CA               | --      | --      | --      | --      | --      |
| 10254970 | New River at International Boundary, at Calexico, CA     | --      | --      | --      | --      | --      |
| 10256500 | Snow Creek near White Water, CA                          | --      | 380     | 482     | 401     | 1,145   |
| 10261500 | Mojave River at Lower Narrows, near Victorville, CA      | 8,871   | 7,777   | 8,331   | 10,470  | 38,860  |
| 10265150 | Hot Creek at Flume, near Mammoth Lakes, CA               | --      | --      | --      | --      | --      |
| 10277400 | Owens River below Tinemaha Reservoir, near Big Pine, CA  | --      | 89,170  | 97,100  | 60,530  | 81,430  |
| 10293000 | East Walker River near Bridgeport, CA                    | 36,360  | 31,010  | 13,220  | 7,280   | 19,470  |
| 10296500 | West Walker River near Coleville, CA                     | --      | --      | --      | 5,686   | 12,910  |
| 10297500 | West Walker River at Hoye Bridge, near Wellington, CA    | --      | --      | --      | 8,738   | 22,360  |
| 10301500 | Walker River near Wabuska, NV                            | 43,540  | 53,490  | 21,160  | 8,630   | 10,960  |
| 10309000 | East Fork Carson River near Gardnerville, NV             | --      | --      | --      | --      | 25,870  |
| 10310000 | West Fork Carson River at Woodfords, CA                  | 6,703   | 5,007   | 2,485   | 1,539   | 4,288   |
| 10311000 | Carson River near Carson City, NV                        | --      | --      | --      | 15,950  | 48,260  |
| 10311100 | Kings Canyon Creek near Carson City, NV                  | --      | --      | --      | 52      | 80      |
| 10311200 | Ash Canyon Creek near Carson City, NV                    | --      | --      | --      | 111     | 140     |
| 10312000 | Carson River near Fort Churchill, NV                     | 58,260  | 50,560  | 24,450  | 11,850  | 45,500  |

|          |   |         |         |         |        |         |
|----------|---|---------|---------|---------|--------|---------|
| 10312150 | Carson River below Lahontan Reservoir,<br>near Fallon, NV           | --      | --      | --      | 87,670 | 81,550  |
| 10321000 | Humboldt River near Carlin, NV                                      | --      | --      | --      | 33,950 | 75,080  |
| 10322500 | Humboldt River at Palisade, NV                                      | --      | --      | --      | 37,880 | 83,620  |
| 10324500 | Rock Creek near Battle Mountain, NV                                 | --      | --      | --      | 634    | 8,101   |
| 10335000 | Humboldt River near Rye Patch, NV                                   | 121,600 | 239,700 | 115,000 | 91,870 | 94,160  |
| 10336580 | Upper Truckee River at South Upper<br>Truckee Road, near Meyers, CA | --      | --      | --      | --     | --      |
| 10336610 | Upper Truckee River at South Lake<br>Tahoe, CA                      | --      | --      | --      | --     | --      |
| 10336645 | General Creek near Meeks Bay, CA                                    | --      | --      | --      | --     | --      |
| 10336676 | Ward Creek at Highway 89, near Tahoe<br>Pines, CA                   | --      | --      | --      | --     | --      |
| 10336698 | Third Creek near Crystal Bay, NV                                    | --      | --      | --      | --     | --      |
| 10336700 | Incline Creek near Crystal Bay, NV                                  | --      | --      | --      | --     | --      |
| 10336775 | Trout Creek at Pioneer Trail, near South<br>Lake Tahoe, CA          | --      | --      | --      | --     | --      |
| 10343500 | Sagehen Creek near Truckee, CA                                      | --      | --      | --      | --     | --      |
| 10346000 | Truckee River at Farad, CA  | 60,060  | 53,910  | 39,670  | 26,400 | 33,860  |
| 10351700 | Truckee River near Nixon, NV  | 99,240  | 84,860  | 63,710  | 22,300 | 28,470  |
| 10352500 | McDermitt Creek near McDermitt, NV                                  | --      | 7,951   | 3,245   | 1,228  | 5,991   |
| 11042000 | San Luis Rey River at Oceanside, CA                                 | --      | --      | --      | --     | 102,400 |
| 11066460 | Santa Ana River at Metropolitan Water<br>District Crossing, CA      | 18,950  | 17,920  | 20,290  | 20,910 | 58,010  |
| 11074000 | Santa Ana River below Prado Dam, CA                                 | 85,400  | 72,040  | 77,900  | 61,990 | 177,300 |
| 11103000 | Los Angeles River at Long Beach, CA                                 | 35,870  | 35,370  | 29,650  | 33,470 | 115,800 |
| 11108500 | Santa Clara River at Los Angeles-<br>Ventura County Line, CA        | 31,160  | 24,520  | 17,790  | 19,230 | 101,600 |

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**Northwestern United States, 1974-2003.**

[Data source: USGS, U.S. Geological Survey]

| 1979    | 1980    | 1981    | 1982      | 1983    | 1984    | 1985    | 1986      | 1987    |
|---------|---------|---------|-----------|---------|---------|---------|-----------|---------|
| --      | --      | --      | --        | --      | 31,150  | 35,130  | 39,140    | 38,760  |
| 112,200 | 86,140  | 31,370  | 89,730    | 93,320  | 84,480  | 149,600 | 144,800   | 161,100 |
| 99,560  | 74,130  | 30,600  | 80,760    | 86,230  | 86,530  | 163,200 | 181,800   | 240,400 |
| 8,560   | 5,782   | 2,498   | 5,552     | 8,816   | 6,568   | 9,292   | 8,687     | 8,790   |
| 19,200  | 16,780  | 12,480  | 16,360    | 21,480  | 17,580  | 19,900  | 16,420    | 14,710  |
| --      | --      | --      | --        | --      | --      | --      | 3,052     | 2,971   |
| --      | --      | --      | --        | --      | --      | --      | 21,010    | 21,440  |
| 179,300 | 135,600 | 64,590  | 132,000   | 162,300 | 140,900 | 222,500 | 209,500   | 236,500 |
| 19,770  | 15,890  | 4,406   | 9,760     | 19,160  | 17,850  | 22,820  | 16,290    | 17,380  |
| --      | --      | --      | --        | --      | --      | --      | 39,140    | 35,440  |
| 125,700 | 162,200 | 63,980  | 113,600   | 140,600 | 142,900 | 152,400 | 131,500   | --      |
| 111,000 | 174,900 | 116,200 | 212,400   | 134,200 | 199,500 | 128,500 | 139,200   | --      |
| 134,500 | 183,500 | 88,630  | 127,300   | 146,100 | 137,000 | 140,800 | 154,200   | 175,000 |
| 443,000 | 372,200 | 169,200 | 319,900   | 377,400 | 345,700 | 519,000 | 466,900   | 569,700 |
| --      | --      | 2,370   | 2,483     | 3,557   | 2,454   | 4,111   | 3,073     | 3,300   |
| 400,400 | 361,900 | 162,400 | 290,500   | 377,400 | 331,000 | 426,400 | 446,900   | 452,300 |
| --      | --      | 11,800  | 14,510    | 20,630  | 16,220  | 22,710  | 18,090    | 21,780  |
| 49,630  | 34,540  | 14,070  | 25,800    | 48,970  | 32,020  | 49,450  | 30,210    | 54,510  |
| --      | --      | 153,500 | 352,100   | 415,000 | 364,800 | 457,300 | 429,100   | 561,400 |
| 622,400 | 523,300 | 174,800 | 421,000   | 495,500 | 456,300 | 621,900 | 580,700   | 652,700 |
| 53,520  | 36,920  | 27,120  | 51,790    | 36,970  | 38,280  | 70,880  | 30,430    | 64,700  |
| 817     | 8,547   | 2,717   | 12,090    | 920     | 5,697   | --      | --        | --      |
| 735,500 | 604,800 | 449,600 | 1,010,000 | 832,600 | 302,400 | 953,000 | 1,246,000 | 868,400 |
| 644,300 | 586,700 | 225,300 | 562,600   | 781,700 | 668,300 | 781,000 | 671,100   | 753,100 |
| 287,900 | 334,000 | 334,700 | 324,200   | 332,500 | 344,000 | 348,900 | 547,600   | 911,600 |
| 5,694   | 1,682   | 956     | 1,095     | 3,115   | 2,318   | 5,970   | 3,265     | --      |
| 14,070  | 14,820  | 12,930  | 12,540    | 12,880  | 14,130  | 18,380  | 19,500    | 21,460  |
| --      | --      | --      | --        | --      | 3,214   | 2,288   | 2,790     | 1,502   |
| --      | --      | --      | --        | --      | --      | --      | 569       | 441     |
| --      | --      | --      | --        | 1,124   | 1,307   | 589     | 685       | 677     |
| --      | --      | --      | --        | --      | 743     | 287     | 303       | 218     |
| --      | --      | --      | --        | --      | 168     | 78      | 69        | 43      |
| --      | --      | --      | --        | --      | 1,803   | 1,090   | 1,049     | 741     |
| --      | --      | --      | --        | --      | 561     | 266     | 249       | 213     |
| --      | --      | --      | --        | --      | 222     | 95      | 145       | 125     |
| --      | --      | --      | --        | --      | 38,500  | 18,210  | 22,840    | 12,170  |



|        |        |       |        |        |         |         |         |         |
|--------|--------|-------|--------|--------|---------|---------|---------|---------|
| 16,940 | 17,280 | 9,520 | 13,850 | 29,940 | 42,800  | 20,080  | 25,540  | 12,490  |
| --     | --     | --    | --     | --     | 356     | 239     | 314     | 203     |
| --     | --     | --    | --     | --     | 917     | 511     | 501     | 390     |
| --     | --     | --    | --     | --     | 1,659   | 1,024   | 1,185   | 847     |
| --     | --     | --    | --     | --     | 467     | 342     | 353     | 262     |
| --     | --     | --    | --     | --     | 1,666   | 1,212   | 1,364   | 977     |
| --     | --     | --    | --     | --     | 5,041   | 3,540   | 3,814   | 2,663   |
| --     | --     | --    | --     | --     | 11,030  | 6,903   | 6,981   | 3,925   |
| --     | --     | --    | --     | --     | 16,300  | 11,750  | 10,120  | 7,769   |
| --     | --     | --    | --     | --     | 2,118   | 1,529   | 2,246   | 1,336   |
| --     | --     | --    | --     | --     | 51,750  | 41,740  | 46,010  | 27,300  |
| --     | --     | --    | --     | --     | 3,392   | 2,250   | 1,544   | 1,757   |
| --     | --     | --    | --     | --     | 10,720  | 8,697   | 6,424   | 5,827   |
| --     | --     | --    | --     | --     | 3,347   | 2,774   | 3,001   | 2,493   |
| --     | --     | --    | --     | --     | 448     | 244     | 273     | 189     |
| --     | --     | --    | --     | --     | 19,730  | 18,670  | 18,840  | 17,150  |
| --     | --     | --    | --     | --     | 54,000  | 35,340  | 34,770  | 25,800  |
| --     | --     | --    | --     | --     | --      | --      | --      | 677     |
| --     | --     | --    | --     | --     | 805     | 623     | 726     | 501     |
| --     | --     | --    | --     | --     | 624     | 514     | 535     | 348     |
| --     | --     | --    | --     | --     | 973     | 764     | 840     | 536     |
| --     | --     | --    | --     | --     | 754     | 743     | 914     | 679     |
| --     | --     | --    | --     | --     | 689     | 609     | 644     | 453     |
| --     | --     | --    | --     | --     | 85,380  | 58,910  | 55,180  | 38,230  |
| --     | --     | --    | --     | --     | 269,200 | 182,300 | 190,500 | 125,300 |
| --     | --     | --    | --     | --     | 957     | 773     | 738     | 492     |
| --     | --     | --    | --     | --     | 308     | 466     | 370     | 257     |
| --     | --     | --    | --     | --     | 231     | 171     | 135     | 60      |
| --     | --     | --    | --     | --     | 213     | 178     | 212     | 128     |
| --     | --     | --    | --     | --     | 11,770  | 10,820  | 10,640  | 7,420   |
| --     | --     | --    | --     | --     | --      | 2,633   | 2,852   | 1,783   |
| --     | --     | --    | --     | --     | 17,380  | 15,810  | 16,300  | 9,569   |
| --     | --     | --    | --     | --     | 6,447   | 4,515   | 4,377   | 3,351   |
| --     | --     | --    | --     | --     | 2,101   | 1,348   | 1,317   | 968     |
| --     | --     | --    | --     | --     | 5,787   | 4,140   | 3,290   | 2,245   |
| --     | --     | --    | --     | --     | 338     | 193     | 275     | 104     |
| --     | --     | --    | --     | --     | 1,351   | 678     | 994     | 467     |
| --     | --     | --    | --     | --     | 2,401   | 1,296   | 1,610   | 693     |
| --     | --     | --    | --     | --     | --      | --      | --      | --      |
| --     | --     | --    | --     | --     | 1,401   | 1,133   | 1,249   | 842     |
| --     | --     | --    | --     | --     | 924     | 904     | 732     | 601     |

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| --        | --        | --        | --        | --        | 1,260     | 1,243     | 1,165     | 795       |
| --        | --        | --        | --        | --        | 427       | 336       | 319       | 220       |
| --        | --        | --        | --        | --        | 640       | 525       | 436       | 294       |
| --        | --        | --        | --        | --        | 759       | 638       | 638       | 452       |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | 488       | 410       | 350       | 205       |
| 1,176     | 1,040     | 855       | 1,269     | 1,574     | 1,756     | 1,447     | 1,478     | 1,251     |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | 220,300   | 196,000   | 190,300   | 156,900   |
| 442,200   | 436,700   | 337,700   | 408,400   | 538,200   | 630,500   | 532,500   | 537,800   | 411,300   |
| --        | --        | --        | --        | --        | 2,044     | 2,761     | 2,871     | 1,708     |
| --        | --        | --        | --        | --        | 3,976     | 3,144     | 2,356     | 2,749     |
| --        | --        | --        | --        | --        | 5,522     | 4,599     | 3,651     | 4,129     |
| --        | --        | --        | --        | --        | 1,888     | 1,543     | 1,518     | 1,359     |
| --        | --        | --        | --        | --        | 9,966     | 8,860     | 8,349     | 7,496     |
| --        | --        | --        | --        | --        | 24,420    | 21,640    | 18,390    | 14,280    |
| --        | --        | --        | --        | --        | 37,570    | 29,710    | 34,040    | 26,530    |
| --        | --        | --        | --        | --        | 59,180    | 62,470    | 66,660    | 51,070    |
| 332,400   | 319,200   | 238,600   | 317,100   | 347,000   | 391,300   | 368,400   | 366,600   | 307,900   |
| --        | 1,328,000 | 1,056,000 | 1,223,000 | 1,375,000 | 1,492,000 | 1,378,000 | 1,350,000 | 1,133,000 |
| --        | --        | --        | --        | --        | 11,270    | 10,340    | 7,770     | 5,300     |
| 18,890    | 16,910    | 3,742     | 8,761     | 36,050    | 37,210    | 49,610    | 35,310    | --        |
| 1,438,000 | 1,430,000 | 1,135,000 | 1,395,000 | 1,651,000 | 1,861,000 | 1,743,000 | 1,697,000 | 1,412,000 |
| 1,554,000 | 1,582,000 | 1,231,000 | 1,486,000 | 1,784,000 | 1,990,000 | 1,873,000 | 1,848,000 | 1,534,000 |
| --        | --        | --        | --        | --        | --        | --        | 93,340    | 80,060    |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | 14,750    | 14,300    | 15,510    | 12,560    |
| --        | --        | --        | --        | --        | 35,530    | 32,840    | 31,840    | 26,810    |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | 58,280    | 51,840    | 59,600    | 42,650    |
| --        | --        | --        | --        | --        | 118,500   | 104,800   | 111,400   | 86,870    |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | 9,595     | 7,180     | 6,503     | 7,403     |
| --        | --        | --        | --        | --        | 62,040    | 39,920    | 32,700    | 38,240    |
| --        | --        | --        | --        | --        | 29,210    | 24,330    | 20,760    | 21,110    |
| --        | --        | --        | --        | --        | 9,569     | 7,369     | 6,580     | 6,075     |
| --        | --        | --        | --        | --        | 311,500   | 249,300   | 208,200   | 173,900   |
| --        | --        | --        | --        | --        | 6,036     | 5,378     | 4,432     | 3,595     |



|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| --        | --        | --        | --        | 1,522     | 4,018     | 3,353     | 2,365     | 895       |
| --        | --        | --        | --        | --        | --        | 4,288     | 4,666     | 1,888     |
| --        | --        | --        | --        | --        | 7,906     | 8,811     | 10,120    | 4,580     |
| 108,600   | 99,760    | 69,270    | 118,000   | 141,500   | 194,200   | 173,600   | 210,000   | --        |
| --        | --        | --        | --        | --        | --        | 9,096     | 10,370    | 5,423     |
| --        | --        | --        | --        | --        | --        | 265,200   | 286,700   | 163,400   |
| --        | --        | --        | --        | --        | 72,530    | 74,640    | 67,360    | 47,220    |
| 292,700   | 295,000   | 173,800   | 326,600   | 353,900   | 444,100   | 409,700   | 438,900   | 268,700   |
| 14,840    | 13,490    | 9,531     | 16,430    | 18,460    | 19,030    | 15,280    | 15,660    | 8,466     |
| --        | --        | --        | --        | --        | --        | 13,220    | 13,070    | 7,663     |
| 117,700   | 148,900   | 84,940    | 161,700   | 174,600   | 224,200   | 159,100   | 173,100   | 100,300   |
| --        | --        | --        | --        | 843,300   | 933,900   | 756,000   | 768,300   | 415,100   |
| 1,484,000 | 1,490,000 | 1,095,000 | 1,508,000 | 2,166,000 | 2,214,000 | 1,886,000 | 1,974,000 | 1,438,000 |
| --        | --        | --        | 7,504     | 9,913     | 9,646     | 9,108     | 9,293     | 8,386     |
| 4,692     | 6,655     | 4,952     | 6,554     | 10,340    | 8,509     | 8,159     | 9,405     | 7,910     |
| 3,071     | 5,497     | 2,740     | 4,648     | 11,030    | 5,178     | 4,843     | 7,899     | 4,659     |
| 30,600    | 46,060    | 29,700    | 46,310    | 122,100   | --        | --        | --        | --        |
| 10,460    | 15,350    | 9,343     | 16,900    | 17,390    | 17,030    | 14,160    | 12,570    | 6,813     |
| 897       | 1,198     | 1,136     | 1,707     | 2,661     | 2,981     | --        | --        | --        |
| 1,268     | 1,545     | 1,193     | 1,799     | 2,060     | 1,680     | 1,579     | 2,254     | 1,552     |
| 3,644     | 4,546     | 3,532     | 5,501     | 6,690     | 5,621     | 5,182     | 7,254     | 5,584     |
| 7,656     | 8,983     | 7,857     | 10,550    | 11,990    | 11,770    | 10,430    | 12,300    | 10,350    |
| 13,920    | 16,390    | 15,360    | 18,320    | 19,640    | 19,910    | 17,650    | 20,500    | 16,810    |
| 51,100    | 61,600    | 51,720    | 70,200    | 79,400    | 79,630    | 69,770    | 78,410    | 58,750    |
| 136       | 210       | 92        | 204       | 251       | 230       | --        | --        | --        |
| 1,928     | 2,405     | 4,501     | 4,390     | 30,040    | 40,000    | 6,415     | 4,405     | 4,196     |
| 251       | 490       | 287       | 299       | 2,622     | 2,991     | --        | --        | --        |
| 9,666     | 17,310    | 10,450    | 17,830    | 24,110    | 25,710    | 14,320    | 14,710    | 10,900    |
| 6,108     | 7,483     | 1,964     | 6,092     | 9,678     | 9,108     | 3,962     | 9,158     | --        |
| 52,860    | 74,570    | 45,620    | 76,000    | 141,900   | 159,200   | 76,070    | 88,380    | 56,170    |
| 62,790    | 83,830    | 65,780    | 96,920    | 140,400   | 110,600   | 95,060    | 140,600   | 121,200   |
| 4,673     | 5,437     | 4,937     | 5,996     | 7,319     | 6,526     | 5,933     | 6,826     | 6,172     |
| 194,400   | 142,300   | 114,100   | 217,100   | 392,800   | 351,800   | 235,100   | 277,500   | 178,900   |
| 5,529     | 7,219     | 6,262     | 8,120     | 11,690    | --        | --        | --        | --        |
| 847       | 1,316     | 1,015     | --        | --        | --        | --        | --        | --        |
| 4,114     | 5,239     | 4,264     | 5,158     | 6,880     | 5,043     | 4,206     | 5,078     | 3,975     |
| 327,100   | 270,000   | 224,600   | 363,700   | 636,000   | 565,800   | 385,300   | 441,500   | 371,000   |
| 52,120    | 50,520    | 41,540    | 54,170    | 61,240    | 68,420    | 70,200    | 62,430    | 51,940    |
| --        | --        | --        | --        | 11,990    | 13,420    | 12,450    | 12,740    | 8,379     |
| --        | --        | --        | --        | 27,190    | 33,280    | 32,200    | 31,090    | 20,520    |
| --        | --        | --        | --        | 45,080    | 48,730    | 46,560    | 45,760    | 32,360    |

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 38,770    | 36,000    | 25,620    | 39,370    | 46,200    | 46,440    | 48,680    | 48,110    | 36,670    |
| 112,400   | 101,800   | 75,490    | 115,100   | 131,600   | 155,200   | 144,700   | 147,800   | 107,800   |
| --        | --        | --        | --        | --        | 226,500   | 208,400   | 202,700   | 154,000   |
| 204,900   | 191,300   | 153,700   | 198,900   | 229,900   | 248,600   | 253,100   | 249,800   | 196,900   |
| 12,740    | 12,680    | 5,216     | 5,866     | 27,630    | 33,260    | 32,220    | 28,410    | 12,960    |
| 1,102     | 1,666     | 1,514     | 1,194     | 2,117     | 3,252     | 6,072     | --        | --        |
| 1,128     | 3,300     | 1,916     | 1,226     | 3,346     | 5,357     | 7,171     | --        | --        |
| 26,470    | 31,740    | 17,540    | 18,300    | 54,740    | 70,440    | 71,480    | 67,340    | 39,400    |
| 45,780    | 48,000    | 28,970    | 30,280    | 79,880    | 88,590    | 94,410    | 93,030    | 55,010    |
| 236       | 378       | 129       | 186       | 3,039     | 4,337     | 2,470     | 1,622     | 1,203     |
| 3,130     | 1,819     | 948       | 742       | 6,382     | 8,042     | 5,221     | 3,540     | 3,448     |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | 411,800   | 465,900   | 431,200   | 424,800   | 321,300   |
| 2,471     | 4,694     | 3,072     | 3,411     | 13,330    | --        | --        | --        | --        |
| 3,439     | 7,670     | 3,121     | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | 542,200   | 390,000   |
| 2,282     | 11,550    | 13,160    | 10,750    | 27,770    | 38,720    | 43,980    | 39,830    | 45,860    |
| 8,432     | 11,690    | 14,420    | 13,830    | 27,480    | --        | --        | --        | --        |
| 323,000   | 319,800   | 238,400   | 365,500   | 480,700   | 589,100   | 574,700   | 633,300   | --        |
| 53,810    | 50,840    | 58,440    | 56,060    | 57,200    | 58,210    | --        | --        | --        |
| 61,510    | 48,790    | 55,490    | 50,120    | 53,580    | 50,390    | --        | --        | --        |
| 12,930    | 14,290    | 8,711     | 8,838     | 17,210    | --        | --        | --        | --        |
| 26,780    | 33,920    | 19,280    | 19,420    | 41,620    | --        | --        | --        | --        |
| 4,347     | 3,528     | 1,451     | 3,934     | 7,759     | 5,287     | 5,188     | 5,368     | 2,787     |
| 4,303     | 6,778     | 3,149     | 6,497     | 9,872     | 10,670    | 7,484     | 9,335     | 2,791     |
| 8,881     | 15,390    | 6,034     | 11,510    | 20,230    | 19,270    | 12,190    | 15,550    | 4,925     |
| 12,050    | 19,170    | 5,198     | 21,050    | 27,130    | 26,650    | 17,570    | 22,320    | 6,320     |
| 1,055     | 2,356     | 136       | 1,305     | 4,034     | 3,350     | 1,701     | 2,606     | 1,236     |
| 10,800    | 8,996     | 2,869     | 5,859     | 17,750    | 9,380     | 7,614     | 10,080    | 5,832     |
| 145,900   | 195,000   | 83,410    | 157,100   | 299,100   | 269,600   | 208,700   | 211,900   | --        |
| 76,880    | 102,300   | 77,380    | 83,520    | 121,000   | 115,800   | 115,300   | 102,100   | --        |
| 2,693,000 | 2,666,000 | 1,935,000 | 2,667,000 | 4,088,000 | 4,085,000 | 3,460,000 | 3,587,000 | 2,661,000 |
| 21,000    | 24,070    | 16,370    | 23,670    | 48,960    | 56,110    | --        | --        | --        |
| 26,010    | 32,390    | 14,670    | 28,460    | 43,020    | 43,990    | 27,420    | 28,520    | 17,010    |
| 176,200   | 254,100   | 111,300   | 199,700   | 429,200   | 443,400   | 259,100   | 249,600   | --        |
| 170,500   | 241,600   | 121,500   | 196,900   | 374,300   | 385,600   | 256,000   | 245,000   | --        |
| 190,600   | 274,700   | 132,400   | 217,900   | 503,800   | 524,000   | 334,200   | 286,700   | 157,200   |
| 1,110     | 1,383     | 1,042     | 1,304     | 2,090     | 2,499     | 1,600     | 1,606     | 1,135     |
| 22,770    | 21,220    | 24,780    | 24,730    | 33,200    | 41,710    | 45,080    | 33,030    | 41,200    |

|           |           |           |           |            |            |            |           |           |
|-----------|-----------|-----------|-----------|------------|------------|------------|-----------|-----------|
| 27,870    | 30,150    | 27,970    | 30,140    | 40,090     | 49,040     | 52,630     | 39,870    | 47,080    |
| 42,850    | 50,190    | 30,360    | 43,800    | 63,910     | 63,740     | 60,450     | 48,880    | 36,870    |
| 38,980    | 79,180    | 25,340    | 42,820    | 89,230     | 79,800     | 56,920     | 41,730    | --        |
| 122,400   | 184,200   | 120,000   | 153,500   | 233,500    | 224,400    | 213,700    | 159,300   | 137,300   |
| 1,576     | 1,211     | 1,330     | 1,633     | 2,468      | 1,685      | 1,867      | 1,219     | 1,589     |
| 7,159     | 6,663     | 5,971     | 7,509     | 10,720     | 7,092      | 7,476      | 5,715     | 5,845     |
| --        | --        | --        | --        | --         | 5,808      | 8,113      | 7,851     | 6,319     |
| --        | --        | --        | --        | --         | 23,950     | 31,900     | 32,360    | 27,300    |
| --        | --        | --        | --        | --         | 13,380     | 21,550     | 18,480    | 16,070    |
| --        | --        | --        | --        | --         | 98,130     | 141,100    | 132,900   | 121,000   |
| --        | --        | --        | --        | --         | 63,800     | 84,990     | 82,250    | 86,370    |
| 6,145     | 5,262     | 3,755     | 5,581     | 5,189      | 5,758      | 6,469      | 6,583     | 6,265     |
| --        | --        | --        | --        | --         | 33,570     | 46,850     | 45,660    | 49,520    |
| --        | --        | --        | --        | --         | 8,623      | 10,130     | 9,144     | 11,410    |
| 372,200   | 216,000   | 152,700   | 160,400   | 234,500    | 221,700    | 370,500    | 303,900   | 506,800   |
| --        | --        | --        | --        | --         | --         | --         | --        | --        |
| --        | --        | --        | --        | --         | 194,400    | 206,000    | 203,200   | 203,700   |
| --        | --        | --        | --        | --         | --         | --         | --        | 279,100   |
| 304,000   | 260,600   | 148,600   | 253,800   | 269,800    | 260,800    | 298,700    | 287,700   | 317,300   |
| 18,300    | 19,960    | 24,730    | 32,660    | 11,720     | 399        | --         | --        | --        |
| 87,130    | 32,820    | 27,500    | 47,340    | 40,030     | 28,140     | 33,320     | 41,160    | 48,650    |
| 944,900   | 779,900   | 503,400   | 634,100   | 788,900    | 731,700    | 944,000    | 913,100   | 1,025,000 |
| --        | --        | --        | --        | --         | 41,190     | 46,440     | 53,690    | 70,980    |
| 1,168,000 | 918,800   | 573,000   | 724,900   | 896,000    | 853,900    | 1,080,000  | 1,035,000 | 1,170,000 |
| --        | --        | --        | --        | --         | --         | --         | --        | --        |
| --        | --        | --        | 66,700    | 131,500    | 90,080     | 104,700    | 110,300   | 120,200   |
| --        | --        | --        | --        | --         | --         | --         | --        | --        |
| 156,900   | 148,500   | 82,180    | 97,790    | 162,500    | 110,800    | 130,700    | 140,700   | 137,200   |
| --        | 2,273     | 35        | 90        | 4,789      | 600        | 1,933      | 293       | 873       |
| 420       | 444       | 30        | 95        | 561        | 114        | 346        | 227       | 210       |
| 3,147     | 2,643     | 109       | 488       | 3,052      | 608        | 1,837      | 1,446     | 1,194     |
| 5,947     | 6,450     | 1,216     | 636       | 6,217      | 1,734      | 1,893      | 3,403     | 2,149     |
| 1,318,000 | 1,122,000 | 709,900   | 899,900   | 1,172,000  | 1,030,000  | 1,306,000  | 1,298,000 | 1,438,000 |
| 6,581,000 | 8,018,000 | 5,889,000 | 6,246,000 | 13,080,000 | 13,150,000 | 11,000,000 | 9,551,000 | 8,101,000 |
| 1,728     | 1,281     | 709       | 766       | --         | --         | --         | --        | --        |
| 9,585     | 6,003     | 2,762     | 2,529     | 6,641      | 6,137      | --         | --        | --        |
| 8,851     | 11,510    | 470       | 1,737     | 9,510      | 1,787      | 9,860      | 399       | 5,225     |
| 6,457     | 14,950    | 6,007     | 6,080     | 11,680     | 6,218      | 6,556      | 6,580     | 4,861     |
| 11,200    | 14,330    | 5,483     | 5,095     | 12,610     | 5,671      | 5,341      | 4,817     | 4,200     |
| 126,700   | 159,200   | 75,790    | 80,530    | 156,600    | 82,000     | 95,020     | 76,670    | 66,510    |
| 10,360    | 15,390    | 5,103     | 4,716     | 10,660     | 4,286      | 3,040      | 2,653     | 2,716     |
| 486,900   | 614,000   | 371,300   | 370,000   | 713,300    | 414,400    | 384,800    | 345,900   | 322,800   |

|           |           |           |           |            |            |            |            |           |
|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|
| --        | --        | --        | --        | --         | --         | 16,190     | 8,589      | 13,830    |
| --        | --        | --        | --        | --         | --         | --         | --         | --        |
| 227,400   | 228,300   | 209,700   | 216,300   | 226,700    | 216,200    | --         | --         | --        |
| 6,962,000 | 9,382,000 | 9,184,000 | 6,791,000 | 13,320,000 | 18,820,000 | 14,140,000 | 12,130,000 | 9,140,000 |
| --        | --        | --        | 749,400   | 704,300    | 1,043,000  | 1,001,000  | 962,100    | 964,000   |
| --        | --        | --        | --        | --         | --         | --         | --         | --        |
| --        | --        | --        | --        | --         | --         | 22,800     | 82,410     | 238,000   |
| 6,559,000 | 9,155,000 | 8,593,000 | 6,196,000 | 13,070,000 | 18,460,000 | 14,080,000 | 11,880,000 | 8,259,000 |
| 6,547,000 | 8,781,000 | 8,329,000 | 6,223,000 | 13,100,000 | 18,910,000 | 13,990,000 | 11,790,000 | 8,438,000 |
| 349,400   | 823,100   | 735,700   | 399,100   | 4,966,000  | --         | --         | --         | --        |
| 86,440    | 29,420    | 17,740    | 30,050    | 62,340     | 45,140     | 75,120     | 46,450     | 41,070    |
| 53,500    | 18,630    | 6,654     | 8,240     | 32,860     | 30,340     | 43,720     | 15,510     | 25,710    |
| 139,900   | 87,710    | 53,160    | 58,600    | 120,200    | 95,960     | 124,300    | 81,520     | 97,720    |
| 323,500   | 169,500   | 96,670    | 125,700   | 269,300    | 201,900    | 291,900    | 189,200    | 187,200   |
| 732,900   | 313,600   | 125,300   | 208,200   | 561,100    | 405,800    | 621,000    | 330,500    | 374,200   |
| 35,750    | 4,183     | 6,996     | 6,359     | 12,200     | 30,840     | 20,190     | 11,260     | 6,043     |
| 608,300   | 590,100   | 503,500   | 351,800   | 347,200    | 702,600    | 745,400    | 427,100    | 443,600   |
| --        | 4,971     | 21,020    | 21,920    | 32,270     | 29,320     | 45,980     | 28,590     | 25,350    |
| 735,700   | 616,600   | 426,700   | 499,100   | 663,400    | 545,400    | 687,200    | 510,300    | 561,400   |
| 71,330    | 69,580    | 7,223     | 31,870    | 59,940     | 22,990     | 44,430     | 20,880     | 12,160    |
| 1,230,000 | 855,700   | 395,400   | 339,500   | 918,700    | 612,000    | 873,900    | 435,500    | 502,300   |
| 41,090    | 44,930    | 22,860    | 32,140    | 39,260     | 25,970     | 32,310     | 28,760     | 27,230    |
| --        | --        | --        | 10,040    | 14,010     | 6,464      | 9,271      | 8,205      | 6,985     |
| --        | --        | --        | --        | --         | --         | --         | --         | --        |
| --        | --        | --        | --        | --         | --         | --         | --         | --        |
| 1,348     | 1,368     | 188       | 868       | 1,485      | 591        | 1,006      | 512        | 590       |
| --        | --        | 94,110    | 154,100   | 218,500    | 121,800    | 152,700    | 124,200    | 121,500   |
| 264,000   | 380,400   | 117,000   | 230,800   | 262,400    | 122,300    | 162,600    | 104,100    | 128,700   |
| --        | --        | --        | 18,870    | 52,120     | 9,060      | 14,870     | 7,761      | 4,866     |
| 1,698,000 | 1,307,000 | 317,500   | 342,600   | 1,351,000  | 840,000    | 1,335,000  | 556,400    | 508,700   |
| --        | --        | --        | --        | --         | 1,264,000  | 1,138,000  | 67,760     | 27,650    |
| 2,824,000 | 5,832,000 | 3,893,000 | 1,715,000 | 8,095,000  | 14,030,000 | 11,390,000 | 9,551,000  | 5,824,000 |
| 3,672,000 | 3,516,000 | 3,648,000 | 3,482,000 | 2,967,000  | 2,882,000  | 2,538,000  | 2,376,000  | 2,550,000 |
| 2,241     | 2,694     | 2,749     | 3,516     | 4,154      | 4,436      | 3,823      | 4,416      | --        |
| 17,640    | 25,590    | 26,540    | 48,840    | 43,610     | 38,170     | 26,260     | 37,460     | 20,180    |
| 2,357     | 5,065     | 4,002     | 6,140     | 12,150     | 12,520     | 7,061      | 10,660     | 7,131     |

|         |           |         |           |           |           |           |           |           |
|---------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2,919   | 7,738     | 6,053   | 6,351     | 17,480    | 18,050    | 10,530    | 13,500    | 8,580     |
| 21,490  | 45,430    | 35,980  | 56,360    | 92,460    | 90,090    | 51,320    | 105,600   | 42,480    |
| 27,820  | 54,630    | 35,520  | 50,190    | 107,300   | 111,100   | 86,160    | 97,790    | 57,620    |
| 27,960  | 83,990    | 37,030  | 78,870    | 176,300   | 172,200   | 110,800   | 174,500   | 71,780    |
| 30,600  | 39,980    | 23,360  | 48,980    | 51,330    | 50,050    | 33,630    | 57,770    | 25,020    |
| 75,730  | 178,500   | 76,170  | 187,700   | 307,600   | 323,100   | 268,900   | 343,300   | 104,200   |
| 78,340  | 183,700   | 83,450  | 176,700   | 348,700   | 371,300   | 214,600   | 362,500   | 148,300   |
| 17,730  | 25,180    | 10,530  | 26,910    | 30,200    | 32,060    | 22,160    | 39,810    | 14,580    |
| 113,400 | 218,100   | 234,000 | 138,100   | 454,000   | 505,000   | 270,400   | 321,900   | 219,100   |
| 292,000 | 546,000   | 455,500 | 439,200   | 960,400   | 1,170,000 | 837,600   | 1,345,000 | 684,700   |
| 10,140  | 13,660    | 9,108   | 16,190    | 16,800    | 18,380    | --        | --        | --        |
| 3,980   | 5,523     | 4,040   | 6,738     | 6,652     | 7,090     | 4,079     | 7,004     | 2,579     |
| 8,349   | 11,300    | 6,708   | 12,180    | 15,260    | 16,000    | 11,970    | 17,090    | 8,444     |
| 16,260  | 23,540    | 12,290  | 25,550    | 36,260    | 42,300    | --        | --        | --        |
| 34,920  | 43,400    | 28,950  | 52,990    | 58,110    | 68,970    | 48,040    | 72,190    | 33,160    |
| 22,250  | 28,860    | 18,400  | 33,320    | 39,330    | 51,700    | 37,270    | 47,950    | 24,980    |
| 360,200 | 676,000   | 435,900 | --        | --        | --        | --        | --        | --        |
| 128,900 | 174,200   | 135,600 | 168,100   | --        | --        | --        | --        | --        |
| 195,100 | 214,800   | --      | --        | --        | --        | --        | --        | --        |
| 819,900 | 1,166,000 | 835,800 | 1,121,000 | 1,751,000 | 1,963,000 | 1,453,000 | 1,739,000 | 1,057,000 |
| 100,400 | 115,600   | 125,500 | 98,720    | 88,290    | 57,270    | --        | --        | --        |
| 17,710  | 21,020    | 18,160  | 26,100    | 28,980    | 28,680    | 23,750    | 31,170    | 16,720    |
| 32,300  | 49,560    | 31,200  | 59,800    | 80,360    | 76,170    | 69,680    | 88,170    | 39,860    |
| 11,600  | 22,180    | 17,720  | 30,370    | 47,990    | 43,830    | 33,520    | 52,370    | 17,030    |
| 17,470  | 21,030    | 12,340  | 24,290    | 38,430    | 40,830    | 33,840    | 38,990    | 23,880    |
| 107,800 | 165,400   | 87,240  | 177,500   | 287,300   | 297,600   | 219,900   | 299,800   | 119,400   |
| 17,470  | 23,840    | 10,790  | 24,580    | 27,510    | 31,320    | 23,360    | 35,340    | 12,590    |
| 1,558   | 2,228     | 972     | 2,466     | 3,400     | 3,066     | 1,725     | 3,456     | 709       |
| 91,250  | 171,100   | 76,320  | 183,200   | 302,300   | 303,200   | 230,500   | 307,600   | 119,300   |
| 12,030  | 18,020    | --      | --        | --        | --        | --        | --        | --        |
| 14,780  | 23,840    | 20,640  | 33,560    | 104,700   | 115,100   | 87,400    | 70,390    | 39,230    |
| 1,812   | 2,918     | 1,108   | 3,348     | 5,307     | 5,784     | 3,929     | 3,084     | 1,026     |
| 85,290  | 102,200   | 73,300  | 114,700   | 141,800   | 194,500   | 126,000   | 134,300   | 82,490    |
| 37,100  | 59,780    | 30,890  | 79,140    | 124,400   | 194,000   | --        | --        | --        |
| 13,540  | 14,910    | 12,490  | 17,840    | 17,680    | 17,410    | 15,050    | 20,210    | 13,520    |
| 23,690  | 26,150    | 23,920  | 33,110    | 33,480    | 31,290    | 24,790    | 36,580    | 20,980    |
| 73,320  | 78,290    | 62,770  | 88,920    | 115,800   | 114,500   | 95,920    | 141,400   | 76,020    |
| 42,770  | 57,350    | 36,570  | 65,400    | 115,800   | 112,200   | 83,240    | 130,600   | 49,440    |
| 10,730  | 15,960    | 9,145   | 17,010    | 20,390    | 18,200    | 14,180    | 20,500    | 9,588     |
| 117,900 | 135,900   | 146,300 | 146,900   | 139,400   | 129,300   | 168,800   | 140,100   | 123,600   |



|         |           |           |           |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1,021   | 1,185     | 931       | 1,655     | 3,680     | 2,946     | 1,769     | 2,769     | 1,010     |
| 1,188   | 1,370     | 1,019     | 1,143     | 3,367     | 3,074     | 2,814     | 2,424     | 1,639     |
| 876     | 1,344     | 759       | 1,292     | 1,701     | 2,092     | 1,130     | 1,454     | 813       |
| --      | 793       | 475       | 958       | 1,527     | 1,750     | 797       | 1,083     | 633       |
| 228     | 317       | 169       | 392       | 1,426     | 697       | 217       | 281       | 201       |
| 519     | 1,040     | 343       | 798       | 1,167     | 1,013     | 558       | 982       | 447       |
| 8,518   | 9,409     | 5,071     | 6,591     | 11,720    | 7,248     | 6,827     | 5,874     | 4,937     |
| 32,970  | 39,010    | 19,710    | 24,170    | 41,390    | 25,590    | 24,950    | 21,570    | 19,140    |
| 3,837   | 4,470     | --        | --        | --        | --        | --        | --        | --        |
| 48,560  | 59,660    | 34,090    | 39,420    | 72,430    | 50,450    | 44,110    | 36,480    | 34,440    |
| 48,610  | 62,110    | 35,060    | 37,370    | 76,420    | 55,550    | 44,940    | 37,040    | 35,550    |
| 807     | 835       | 764       | 803       | --        | --        | --        | --        | --        |
| 66,190  | 79,720    | 72,220    | 50,340    | 137,200   | 105,000   | 105,500   | 55,030    | 68,300    |
| 2,844   | 3,347     | 1,975     | 4,666     | 8,311     | --        | --        | --        | --        |
| 185,000 | 271,600   | 293,700   | 282,500   | 1,193,000 | 1,019,000 | 565,800   | 555,800   | 436,100   |
| 2,524   | 5,520     | 1,638     | 4,225     | 12,870    | 16,640    | 5,056     | 6,053     | 1,008     |
| 175,500 | 228,300   | 255,300   | 220,600   | 996,500   | 1,137,000 | 671,600   | 560,100   | 409,000   |
| 14,150  | 16,740    | 7,359     | 9,972     | 32,790    | 24,590    | 13,880    | 13,640    | 7,113     |
| 1,112   | 1,135     | 999       | 1,079     | 1,622     | --        | --        | --        | --        |
| 12,770  | 12,300    | 9,069     | 10,810    | 18,460    | 11,420    | 11,110    | 9,683     | 8,216     |
| 1,226   | 1,686     | 1,129     | 1,475     | 3,793     | 2,710     | 1,607     | 1,784     | 1,065     |
| 746     | 541       | 283       | 425       | 1,459     | 990       | 489       | 372       | 239       |
| 476     | 490       | 455       | 418       | --        | --        | --        | --        | --        |
| --      | 1,900,000 | 1,846,000 | 1,616,000 | 1,706,000 | 1,611,000 | 1,515,000 | 1,488,000 | 1,550,000 |
| --      | 865,200   | 949,600   | 920,300   | 1,090,000 | 1,262,000 | 1,219,000 | 1,263,000 | 1,237,000 |
| 783     | 1,428     | 177       | 357       | 1,129     | 348       | 222       | 322       | 240       |
| 18,060  | 39,270    | 8,104     | 10,510    | --        | --        | --        | --        | --        |
| --      | --        | --        | --        | 19,380    | 21,220    | 18,930    | 20,050    | 17,510    |
| 100,200 | 98,650    | 97,640    | 96,740    | 123,600   | 103,600   | --        | --        | --        |
| 22,640  | 25,160    | 13,670    | 22,340    | 39,020    | 24,070    | 14,730    | --        | --        |
| 12,250  | 15,240    | 9,651     | 17,560    | 19,560    | 16,670    | --        | --        | --        |
| 24,010  | 29,230    | 15,660    | 29,370    | 41,510    | 29,930    | 16,230    | 29,550    | 12,950    |
| 36,700  | 68,280    | 26,350    | 62,490    | 149,300   | 85,530    | 29,660    | 74,220    | 21,820    |
| 24,770  | 33,990    | 18,830    | 42,660    | 48,840    | 38,420    | --        | --        | --        |
| 3,886   | 5,627     | 2,919     | 7,582     | 9,285     | 7,266     | --        | --        | --        |
| 46,100  | 69,780    | 32,930    | 81,160    | 100,900   | 76,140    | --        | --        | --        |
| 77      | 118       | 87        | 172       | 321       | 280       | --        | --        | --        |
| 146     | 179       | 134       | 264       | 384       | 368       | --        | --        | --        |
| 45,050  | 69,090    | 32,810    | 82,740    | 107,600   | 81,790    | 45,450    | 78,220    | 31,490    |

|         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 91,640  | 106,800 | 83,360  | 91,150  | 144,900 | 105,800 | 67,040  | 123,800 | 95,440  |
| 111,300 | 150,400 | 32,260  | 138,600 | 256,200 | 405,400 | 99,580  | 154,900 | 41,680  |
| 117,300 | 162,200 | 38,970  | 152,600 | 294,500 | 416,700 | --      | --      | --      |
| 7,578   | 8,006   | 1,287   | 12,850  | 21,250  | 36,860  | --      | --      | --      |
| 83,120  | 124,200 | 104,200 | 121,700 | 503,000 | 961,900 | 222,900 | 250,900 | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | 1,037   | 395     |
| 32,550  | 44,750  | 33,260  | 69,780  | 111,400 | 78,100  | --      | --      | --      |
| 28,010  | 70,710  | 42,240  | 123,000 | 217,700 | 155,900 | 63,380  | 125,700 | 48,290  |
| 3,573   | 5,996   | 1,624   | 8,249   | 13,980  | 15,990  | --      | --      | --      |
| 126,700 | 231,700 | 50,590  | 63,700  | 129,100 | 51,210  | 35,230  | 55,420  | 34,100  |
| 32,580  | 87,680  | 24,620  | 44,250  | 107,300 | 53,780  | 51,440  | 58,380  | 51,740  |
| 114,500 | 401,600 | 116,300 | 122,300 | 311,000 | 153,700 | 151,400 | 174,000 | 119,700 |
| 81,830  | 130,600 | 61,290  | 79,530  | 188,600 | --      | --      | --      | --      |
| 79,440  | 90,350  | 32,420  | 43,880  | 104,800 | 49,170  | 37,230  | 47,880  | 29,950  |

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| 1988    | 1989    | 1990    | 1991    | 1992    | 1993    | 1994    | 1995    | 1996    |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 22,270  | 23,560  | 23,010  | 26,490  | 21,950  | 24,630  | 21,850  | 30,460  | 19,350  |
| 51,080  | 60,610  | 42,750  | 78,540  | 61,820  | 85,290  | 66,880  | 102,200 | 37,610  |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 2,092   | 2,541   | 2,501   | 3,180   | 3,142   | 3,927   | 3,895   | 4,403   | 1,703   |
| 10,510  | 10,680  | 10,390  | 18,080  | 18,670  | 18,950  | 28,200  | 24,690  | 8,557   |
| 95,110  | 113,700 | 89,890  | 147,600 | 126,300 | 159,300 | 149,000 | 184,400 | 85,990  |
| 10,970  | 10,020  | 11,090  | 19,500  | 18,650  | 17,110  | 18,780  | 17,640  | 5,855   |
| 24,010  | 20,790  | 16,540  | 32,790  | 30,050  | 37,300  | 31,470  | 44,310  | 14,610  |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 103,100 | 94,290  | 57,550  | 117,700 | 143,400 | 147,300 | 158,700 | 160,500 | 129,800 |
| 264,900 | 280,000 | 195,400 | 368,800 | 347,400 | 369,400 | 352,400 | 440,800 | 225,800 |
| 2,748   | 2,669   | 2,590   | 3,491   | 5,851   | 4,303   | 3,477   | 4,447   | 3,828   |
| 271,500 | 240,300 | 175,000 | 320,000 | 325,200 | 350,000 | 350,200 | 402,000 | 217,400 |
| 16,580  | 13,900  | 13,320  | 17,750  | 20,420  | 19,070  | 12,990  | 21,330  | 8,792   |
| 29,830  | --      | --      | --      | --      | --      | --      | --      | --      |
| 336,400 | 299,300 | 176,000 | 388,400 | 419,000 | 535,500 | 397,600 | 485,400 | 187,000 |
| 444,600 | 335,000 | 189,900 | 455,500 | 495,200 | 519,900 | 533,900 | 575,000 | 239,600 |
| 73,500  | 15,490  | 34,710  | 78,890  | 47,310  | 50,190  | 28,520  | 30,950  | 44,350  |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 442,200 | 306,300 | 313,600 | 742,000 | 540,400 | 678,100 | 583,100 | 671,800 | 272,600 |
| 461,400 | 369,300 | 207,100 | 563,900 | 576,700 | 567,600 | 551,900 | 725,900 | 307,500 |
| 481,900 | 405,300 | 363,400 | 358,700 | 418,800 | 455,300 | 429,700 | 542,800 | 434,000 |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 21,220  | 20,790  | 20,440  | 21,880  | 21,850  | 19,880  | 20,350  | 21,310  | --      |
| 1,778   | 1,246   | 1,535   | 1,612   | 1,474   | 2,126   | 1,640   | 2,743   | 2,489   |
| 526     | 451     | 488     | 574     | 519     | 602     | 491     | 661     | 682     |
| 613     | 486     | 496     | 682     | 762     | 1,132   | 824     | 1,439   | 1,422   |
| 272     | 212     | 230     | 269     | 268     | 566     | 305     | 732     | 577     |
| 60      | 40      | 34      | 48      | 41      | 125     | 45      | 124     | 117     |
| 730     | 570     | 576     | 859     | 705     | 1,332   | 649     | 1,828   | 1,477   |
| 212     | 118     | 149     | 206     | 216     | 407     | 187     | 502     | 336     |
| 131     | 86      | 89      | 120     | 122     | 112     | 91      | 168     | 162     |
| 12,420  | 9,928   | 10,060  | 11,800  | 10,500  | 17,220  | 12,410  | 19,730  | 26,690  |

|         |         |        |         |         |         |         |         |         |
|---------|---------|--------|---------|---------|---------|---------|---------|---------|
| 13,740  | 11,120  | 10,760 | 13,380  | 12,220  | 20,960  | 14,570  | --      | --      |
| 243     | 229     | 233    | 239     | 237     | 285     | 233     | 319     | 310     |
| 455     | 286     | 320    | 497     | 633     | 770     | 646     | 920     | 787     |
| 941     | 721     | 694    | 988     | 1,033   | 1,382   | 1,148   | 1,690   | 1,687   |
| 299     | 227     | 239    | 288     | 295     | 374     | 248     | 380     | 390     |
| 1,131   | 1,085   | 1,064  | 1,109   | 1,014   | 1,397   | 1,027   | 1,511   | 1,652   |
| 3,121   | 2,547   | 2,643  | 3,132   | 3,133   | 4,240   | 3,178   | 4,751   | 4,786   |
| 5,021   | 3,671   | 3,751  | 5,171   | 4,467   | 6,558   | 4,028   | 7,648   | 7,383   |
| 8,850   | 6,151   | 4,653  | 8,090   | 8,381   | 10,060  | 8,353   | 10,090  | 13,460  |
| 1,520   | 1,055   | 1,037  | 1,354   | 1,048   | 1,757   | --      | --      | --      |
| 29,990  | 25,440  | 20,880 | 26,140  | 17,790  | 26,960  | 18,830  | 18,720  | --      |
| 1,700   | 1,714   | 1,374  | 1,435   | 1,597   | 2,111   | 1,809   | 4,558   | 2,935   |
| 5,979   | 6,216   | 5,392  | 6,731   | 5,518   | 6,995   | 5,472   | 10,910  | 10,120  |
| 2,639   | 2,724   | 2,582  | 2,716   | 2,602   | 3,440   | 2,683   | 4,125   | 4,245   |
| 241     | 224     | 220    | 236     | 207     | 302     | 189     | 393     | 443     |
| 18,810  | 19,680  | 20,160 | 23,820  | 25,170  | 32,240  | 27,740  | 38,630  | 40,670  |
| 22,780  | 17,670  | 19,890 | 21,590  | 18,260  | 25,700  | 18,230  | 45,260  | 53,860  |
| 798     | 823     | 774    | 859     | 782     | 1,087   | 881     | 1,222   | 1,594   |
| 537     | 514     | 525    | 577     | 469     | 650     | 461     | --      | --      |
| 381     | 371     | 378    | 533     | 321     | 472     | 341     | --      | --      |
| 613     | 586     | 584    | 717     | 493     | 798     | 540     | --      | --      |
| 792     | 840     | 744    | 789     | 610     | 809     | 446     | --      | --      |
| 579     | 418     | 414    | 581     | 363     | 571     | 290     | --      | --      |
| 37,950  | 29,080  | 32,010 | 28,470  | 32,150  | 41,230  | 35,640  | 61,230  | 82,340  |
| 129,600 | 102,700 | 97,770 | 109,800 | 101,700 | 139,300 | 111,000 | 151,100 | 187,000 |
| 514     | 450     | 503    | 589     | 566     | 671     | 430     | 693     | 698     |
| 260     | 199     | 344    | 642     | 509     | 743     | 390     | 763     | 872     |
| 74      | 66      | 57     | 84      | 76      | 172     | 73      | 192     | 136     |
| 107     | 98      | 98     | 115     | 116     | 136     | 87      | 153     | 128     |
| 6,810   | 6,195   | 6,154  | 8,274   | 7,244   | 9,038   | 6,246   | 9,925   | 10,260  |
| 1,751   | 1,680   | 1,193  | 1,589   | 1,256   | 1,651   | 1,152   | 1,723   | 2,096   |
| 8,681   | 7,477   | 5,325  | 7,427   | 5,829   | 8,647   | 5,324   | 9,138   | 11,580  |
| 2,768   | 2,841   | 2,690  | 3,032   | 3,054   | 4,576   | 2,956   | 5,135   | 4,776   |
| 806     | 893     | 810    | 1,075   | 870     | 1,500   | 884     | 1,596   | 1,585   |
| 2,154   | 2,122   | 2,115  | 2,812   | 2,722   | 3,669   | 1,977   | 3,983   | 4,179   |
| 99      | 104     | 93     | 110     | 96      | 122     | 88      | 143     | 136     |
| 376     | 394     | 335    | 415     | 355     | 542     | 371     | 748     | 525     |
| 637     | 612     | 492    | 765     | 586     | 1,034   | 638     | 1,264   | 1,002   |
| --      | --      | 8,578  | 9,572   | 8,684   | 12,220  | 7,936   | 12,500  | 12,240  |
| 788     | 808     | 763    | 974     | 858     | 1,196   | 820     | 1,194   | 1,123   |
| 606     | 576     | 678    | 659     | 616     | 880     | 610     | 950     | 909     |

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 829       | 880       | 977       | 1,177     | 1,168     | 1,688     | 1,176     | 1,886     | 2,091     |
| 227       | 215       | 245       | 249       | 261       | 332       | 214       | 308       | 301       |
| 288       | 254       | 288       | 308       | 346       | 449       | 293       | 488       | 457       |
| 415       | 363       | 392       | 445       | 398       | 566       | 344       | 497       | 586       |
| 298       | 268       | 287       | 422       | 376       | 609       | 349       | 646       | 697       |
| --        | 7,198     | 7,078     | 8,536     | 8,285     | 11,840    | 7,762     | 11,300    | 12,570    |
| 268       | 231       | 256       | 346       | 269       | 440       | 251       | 361       | 411       |
| 268       | 1,185     | 1,130     | 1,326     | 1,127     | 1,569     | 1,202     | 1,566     | 1,621     |
| --        | 29,490    | 28,050    | 33,260    | 29,980    | 43,150    | 29,400    | 40,580    | 42,330    |
| --        | --        | --        | --        | --        | --        | 7,060     | 9,556     | 9,442     |
| 142,000   | 139,800   | 127,600   | 143,400   | 139,200   | 160,800   | 134,800   | 165,500   | 167,300   |
| 404,600   | 370,100   | 345,500   | 381,100   | 365,700   | 448,600   | 358,900   | 469,600   | 520,400   |
| 1,053     | 1,220     | 983       | 1,240     | 1,055     | 1,429     | 1,208     | 2,433     | 1,870     |
| 1,550     | 1,422     | 1,632     | 1,794     | 1,661     | 2,040     | 1,376     | 3,196     | 2,470     |
| 2,840     | 2,852     | 2,902     | 3,229     | 3,055     | 3,596     | 2,689     | 4,881     | 4,008     |
| 1,113     | 815       | 733       | 922       | 781       | 1,178     | 707       | 1,208     | 1,541     |
| 5,471     | 5,988     | 5,410     | 6,649     | 6,498     | 8,135     | 6,073     | --        | --        |
| 12,600    | 12,980    | 11,410    | 13,050    | 13,940    | 20,030    | 17,830    | --        | --        |
| 22,370    | 15,850    | 14,090    | 18,860    | 15,900    | 27,330    | 21,330    | 26,770    | 33,410    |
| 39,770    | 42,690    | 36,280    | 44,350    | 41,810    | 58,840    | 44,680    | 61,180    | 47,170    |
| 248,500   | 244,700   | 220,400   | 266,600   | 239,400   | 323,000   | 257,500   | 353,300   | 317,900   |
| 1,053,000 | 987,200   | 930,600   | 990,500   | 944,000   | 1,079,000 | 941,300   | 1,067,000 | 1,087,000 |
| 2,990     | 2,894     | 1,859     | 3,785     | 3,575     | 7,215     | 2,967     | 8,128     | 5,355     |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 1,248,000 | 1,199,000 | 1,114,000 | 1,240,000 | 1,184,000 | 1,446,000 | 1,231,000 | 1,500,000 | 1,566,000 |
| 1,383,000 | 1,304,000 | 1,212,000 | 1,326,000 | 1,284,000 | 1,537,000 | 1,327,000 | 1,578,000 | 1,584,000 |
| 45,430    | 39,900    | 26,830    | 36,580    | 46,310    | 85,230    | 48,030    | 87,840    | 54,360    |
| --        | --        | --        | 828,400   | 815,300   | 1,255,000 | 895,700   | 1,278,000 | 1,339,000 |
| 4,622     | 4,935     | 4,486     | 5,161     | 4,344     | 6,511     | 4,965     | 8,554     | 6,585     |
| 8,163     | 8,460     | 8,330     | 9,417     | 8,985     | 12,450    | 9,901     | 17,310    | 14,720    |
| 17,670    | 18,060    | 16,890    | 20,400    | 18,250    | 26,260    | 20,420    | 35,070    | 28,650    |
| --        | --        | --        | --        | --        | --        | 7,373     | 10,530    | 9,007     |
| --        | --        | --        | --        | --        | --        | 30,500    | 50,150    | 40,160    |
| 30,770    | 35,740    | 27,680    | 37,830    | 32,820    | 55,060    | 37,750    | 65,000    | 49,310    |
| 61,630    | 63,470    | 49,940    | 71,490    | 60,710    | 100,400   | 67,730    | 125,700   | 94,680    |
| --        | --        | --        | --        | --        | --        | 4,518     | 7,610     | 6,101     |
| 4,500     | 3,826     | 4,270     | 5,160     | 4,390     | 5,128     | 3,624     | 6,363     | 3,977     |
| 20,220    | 18,800    | 17,120    | 27,130    | 22,980    | 32,480    | 18,120    | 40,890    | 25,670    |
| 14,030    | 13,320    | 12,280    | 16,040    | 13,430    | 17,320    | 13,650    | 21,310    | 15,420    |
| 3,973     | 3,601     | 3,754     | 5,410     | 5,352     | 6,294     | 4,797     | 8,884     | 6,704     |
| 111,900   | 45,680    | 42,710    | 111,000   | 105,400   | 173,200   | 102,500   | 222,100   | 161,000   |
| 2,010     | 1,793     | 1,430     | 2,384     | 3,201     | 4,628     | 2,631     | --        | --        |

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 26,440    | 29,660    | 17,680    | 31,940    | 29,100    | 58,340    | 31,560    | 60,850    | 39,050    |
| 3,401     | 3,323     | 2,025     | 3,496     | 4,014     | 7,035     | 3,292     | 5,638     | 3,127     |
| 5,290     | 5,163     | 4,276     | 5,055     | 6,142     | 11,060    | 7,056     | 12,220    | 8,556     |
| 2,463     | 2,189     | 1,570     | 2,209     | 2,155     | 3,593     | 2,294     | 3,648     | 2,219     |
| 1,495     | 1,449     | 1,126     | 1,500     | 1,422     | 3,235     | 1,720     | 2,993     | 1,782     |
| 681,700   | 468,700   | 397,700   | 608,900   | 638,200   | 837,600   | 592,400   | 934,400   | 749,200   |
| 45,930    | 42,350    | 41,080    | 49,960    | 49,240    | 51,520    | 45,020    | 58,610    | 45,930    |
| 13,280    | 9,260     | 7,262     | 13,790    | 14,280    | 14,840    | 11,980    | 23,440    | 11,130    |
| --        | 56,810    | 63,020    | 81,640    | 86,970    | 80,380    | 69,630    | 110,300   | 67,120    |
| 53,390    | 49,090    | 53,910    | 83,040    | 83,790    | 91,630    | 68,230    | 111,800   | 74,350    |
| 246,300   | 226,100   | 241,300   | 262,500   | 311,200   | 342,400   | 287,800   | 358,500   | 300,700   |
| 1,113,000 | 903,900   | 844,200   | 1,082,000 | 1,132,000 | 1,337,000 | 1,089,000 | 1,427,000 | 1,226,000 |
| 51,930    | 52,710    | 53,090    | 51,140    | 48,820    | 53,200    | 53,010    | 51,490    | 51,030    |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 2,973,000 | 2,689,000 | 2,410,000 | 2,802,000 | 2,807,000 | 3,345,000 | 2,747,000 | 3,449,000 | 3,266,000 |
| 14,040    | 13,370    | 10,870    | 13,910    | 14,420    | 17,350    | 12,170    | 18,490    | 11,970    |
| 47,180    | 46,090    | 30,000    | 46,740    | 49,030    | 64,920    | 40,300    | 63,520    | 33,750    |
| 760       | 747       | 73        | 889       | 1,465     | 2,239     | 1,018     | 1,907     | 280       |
| 75,130    | 69,820    | 29,840    | 41,020    | 82,340    | 164,500   | 66,850    | 126,700   | 29,090    |
| 269,800   | 256,400   | 184,600   | 189,000   | 218,100   | 258,600   | 190,400   | 215,100   | 137,000   |
| --        | --        | --        | --        | 44,160    | 53,500    | 41,350    | 65,690    | 41,740    |
| 112,900   | 88,000    | 70,780    | 104,900   | 104,900   | 137,600   | 87,750    | --        | --        |
| 432,200   | 380,000   | 261,000   | 323,400   | 353,500   | 452,900   | 280,700   | 362,600   | 215,700   |
| 3,355,000 | 2,971,000 | 2,669,000 | 3,084,000 | 3,121,000 | 3,745,000 | 2,996,000 | 3,743,000 | 3,448,000 |
| 647       | 131       | --        | --        | --        | --        | --        | --        | --        |
| 1,571     | 1,094     | 889       | 1,093     | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 187,800   | 220,500   | 238,500   | 263,300   | 163,000   | 279,700   | 183,200   | --        | --        |
| 209,800   | 174,500   | 260,900   | 293,300   | 222,300   | 299,100   | 223,000   | 346,400   | 391,100   |
| 26,010    | 22,430    | 20,030    | 30,710    | 27,660    | 31,450    | 29,440    | 56,120    | 37,780    |
| 122,300   | 109,400   | 101,600   | 123,100   | 118,600   | 117,200   | 121,600   | 154,900   | 134,900   |
| 313,000   | 275,400   | 381,500   | 423,600   | 331,600   | 415,300   | 327,300   | 460,100   | 512,300   |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 108,500   | 77,690    | 66,390    | 101,200   | 95,010    | 167,100   | 68,590    | 179,000   | 182,200   |
| 697,900   | 486,300   | 522,800   | 592,800   | 735,000   | 629,200   | 888,700   | 692,400   | 1,124,000 |
| 172       | 91        | 113       | 111       | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | 18,870    | 13,380    | 18,920    | 14,690    | 19,650    | 13,260    | 19,620    | 33,590    |
| 19,250    | 9,177     | 14,460    | 19,760    | 15,810    | 23,230    | 16,050    | 20,710    | 32,270    |
| 1,049     | 848       | 933       | 1,020     | 914       | 1,154     | 847       | 1,255     | 1,272     |
| 33,410    | 26,680    | 28,720    | 34,870    | 29,870    | 39,910    | 30,090    | 38,050    | 49,620    |
| --        | --        | --        | --        | 15,030    | 24,300    | 20,160    | 29,900    | 33,550    |

|           |         |         |           |           |           |           |           |           |
|-----------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1,169     | 771     | 357     | 888       | 400       | 1,166     | 481       | 1,609     | 2,636     |
| 2,931     | 2,481   | 1,588   | 2,535     | 1,534     | 4,061     | 1,986     | 3,224     | 6,795     |
| 5,366     | 4,392   | 1,898   | 4,218     | 2,574     | 6,172     | 2,387     | 4,475     | 11,290    |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 5,624     | 3,105   | 3,418   | 4,026     | 2,626     | 7,091     | 4,031     | 8,619     | 6,569     |
| 169,700   | 139,500 | 144,400 | 175,800   | 145,700   | 228,300   | 153,200   | 228,100   | 253,600   |
| 48,020    | 38,300  | 33,200  | 44,670    | 37,510    | 55,110    | 31,040    | 56,410    | 61,550    |
| 256,100   | 220,000 | 232,400 | 250,600   | 215,200   | 331,200   | 219,800   | 332,700   | 393,500   |
| 10,610    | 9,100   | 8,929   | 8,930     | 7,681     | 13,440    | 9,010     | 13,820    | 15,200    |
| 6,608     | 5,218   | 5,061   | 5,288     | 3,948     | 8,027     | 5,298     | 9,552     | 8,098     |
| 96,120    | 67,890  | 66,410  | 76,510    | 56,800    | 128,700   | 69,830    | 155,800   | 119,300   |
| 369,900   | 255,800 | 254,500 | 277,500   | 220,400   | 349,900   | 210,200   | --        | --        |
| 1,275,000 | 931,500 | 949,400 | 1,056,000 | 1,046,000 | 1,232,000 | 1,153,000 | 1,316,000 | 1,528,000 |
| 6,627     | 5,225   | 5,314   | 4,972     | --        | --        | --        | --        | --        |
| 5,405     | 3,227   | 4,959   | 6,488     | --        | --        | --        | --        | --        |
| 1,655     | 640     | --      | --        | --        | --        | --        | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 5,813     | 5,494   | 4,676   | 5,117     | --        | --        | --        | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 983       | 772     | 654     | 577       | --        | --        | --        | --        | --        |
| 3,661     | --      | --      | --        | --        | --        | --        | --        | --        |
| 7,295     | 5,099   | 5,137   | 4,654     | --        | --        | --        | --        | --        |
| 12,530    | 9,426   | 9,408   | 8,670     | --        | --        | --        | --        | --        |
| 45,480    | 37,130  | 37,210  | 39,990    | --        | --        | --        | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 3,920     | 3,928   | 4,504   | 3,829     | --        | --        | --        | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 8,492     | 8,002   | 7,540   | 6,729     | --        | --        | --        | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 45,690    | 39,150  | 37,140  | 39,170    | --        | --        | --        | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 4,593     | 4,236   | 4,604   | 4,900     | 4,135     | 4,494     | 3,741     | --        | --        |
| 107,600   | 74,980  | 49,630  | 48,970    | 46,130    | 67,060    | 59,250    | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| --        | --      | --      | --        | --        | --        | --        | --        | --        |
| 2,248     | 1,884   | 2,545   | 2,489     | 1,953     | 2,353     | 1,820     | --        | --        |
| 209,700   | 131,300 | 94,230  | 125,300   | 121,300   | 147,100   | 130,200   | 244,800   | 198,300   |
| 49,960    | 47,230  | 42,290  | 47,120    | 43,930    | 53,320    | 42,160    | 54,890    | 56,460    |
| 7,946     | 8,220   | 7,299   | 8,049     | 6,566     | 9,659     | 6,380     | 9,720     | --        |
| 19,830    | 18,020  | 16,510  | 19,710    | 15,810    | 24,180    | 15,420    | 27,240    | --        |
| 31,840    | 28,560  | 24,360  | 29,830    | 22,940    | --        | --        | --        | --        |

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 33,040    | 30,960    | 26,360    | 29,990    | 25,510    | 35,770    | 23,700    | 40,830    | 35,610    |
| 97,630    | 87,070    | 69,260    | 88,240    | 78,670    | 115,300   | 72,030    | 127,900   | 121,100   |
| 139,300   | 127,400   | 103,700   | 125,300   | 110,400   | 146,100   | 104,600   | 156,500   | 147,100   |
| 184,000   | 167,000   | 141,400   | 169,200   | 157,500   | 201,300   | 146,100   | 203,400   | 196,300   |
| 9,159     | 8,910     | 4,216     | 4,597     | 5,014     | 21,070    | 6,510     | 14,240    | 12,080    |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 28,420    | 22,320    | 14,290    | 14,850    | 14,860    | 40,440    | 20,420    | 30,730    | 24,440    |
| 41,810    | 30,690    | 19,270    | 20,300    | 22,030    | 57,300    | 29,480    | 43,710    | 36,490    |
| 668       | 282       | --        | --        | --        | --        | --        | --        | --        |
| 1,969     | 819       | 517       | 357       | 294       | 1,955     | 616       | 1,842     | 842       |
| --        | 11,320    | 8,381     | 6,301     | 5,267     | 8,185     | 7,383     | 5,012     | 4,649     |
| 290,600   | 247,100   | 207,600   | 236,200   | 222,700   | 288,200   | 202,900   | 276,900   | 274,000   |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 356,200   | 262,700   | 214,600   | 253,800   | 235,500   | 318,000   | 183,800   | 301,400   | 275,400   |
| 33,380    | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 2,611     | 563       | --        | --        | --        | --        | --        | --        | --        |
| 3,269     | 2,930     | 2,751     | 4,193     | --        | --        | --        | --        | --        |
| 6,951     | 4,493     | 4,959     | 6,219     | --        | --        | --        | --        | --        |
| 6,670     | 4,392     | 4,636     | 5,880     | 2,445     | --        | --        | --        | --        |
| 1,142     | 391       | --        | --        | --        | --        | --        | --        | --        |
| 6,025     | 1,390     | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 2,233,000 | 1,576,000 | 1,484,000 | 1,675,000 | 1,653,000 | 1,980,000 | 1,746,000 | 2,199,000 | 2,380,000 |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 15,660    | 13,040    | 13,290    | 17,120    | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 109,900   | 70,030    | 50,230    | 78,200    | 72,480    | 124,200   | 67,750    | 175,800   | 153,100   |
| 1,208     | 713       | 641       | 853       | 807       | --        | --        | --        | --        |
| 35,730    | 31,870    | 29,730    | 29,350    | 29,500    | --        | --        | --        | --        |



|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 35,410    | 29,460    | 28,520    | 29,660    | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 112,800   | 88,980    | 72,260    | 67,670    | 69,530    | --        | --        | --        | --        |
| 1,461     | 817       | 346       | 444       | --        | --        | --        | --        | --        |
| 7,338     | 4,506     | 2,027     | 1,970     | --        | --        | --        | --        | --        |
| 3,428     | 4,299     | 3,764     | 6,168     | 5,087     | 6,495     | 5,210     | 7,263     | 3,228     |
| 17,280    | 19,620    | 17,510    | 23,910    | 22,900    | 27,680    | 21,120    | 30,750    | --        |
| 9,963     | 10,030    | 7,564     | 10,270    | 11,870    | 16,300    | 12,870    | 19,730    | --        |
| 70,320    | 77,340    | 55,770    | 86,210    | 84,620    | 98,940    | 83,590    | 105,400   | 45,130    |
| 48,690    | 51,170    | 42,310    | 56,260    | 58,270    | 66,950    | 48,420    | 68,290    | 27,910    |
| 4,103     | 4,148     | 4,104     | 4,528     | 4,345     | 5,476     | 3,713     | 6,136     | 3,171     |
| 22,930    | 24,040    | 15,870    | 26,750    | 25,860    | 37,940    | 26,030    | 38,090    | 13,640    |
| 8,712     | 8,365     | 6,541     | 8,311     | 9,856     | 10,510    | 7,960     | 9,979     | 8,011     |
| 110,600   | 103,500   | 91,700    | 115,700   | 193,800   | 284,500   | 198,500   | 263,600   | 110,700   |
| --        | --        | --        | --        | 42,010    | 46,870    | 41,970    | 51,730    | 41,810    |
| 152,500   | 148,500   | 131,100   | 159,600   | 154,500   | 178,500   | 140,200   | 188,600   | 125,500   |
| 188,200   | 184,300   | 160,100   | 201,400   | 214,500   | 257,400   | 182,700   | 268,300   | 156,600   |
| 196,200   | 181,100   | 153,300   | 205,100   | 210,100   | 270,100   | 180,900   | 282,100   | 134,600   |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 54,960    | 18,750    | --        | --        | --        | --        | --        | --        | --        |
| 473,700   | 394,000   | 359,600   | 475,000   | 580,200   | 699,600   | 521,000   | 691,200   | 357,700   |
| 33,990    | 27,910    | 12,160    | 22,880    | 46,500    | 64,400    | 34,180    | 44,310    | 13,350    |
| 535,100   | 445,700   | 391,700   | 530,100   | 635,100   | 836,100   | 588,000   | 788,800   | 421,400   |
| --        | --        | --        | --        | --        | --        | 16,640    | 14,110    | 12,730    |
| 109,900   | 92,030    | 71,340    | 79,410    | 117,700   | 134,900   | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | 102,800   | 105,900   | 81,190    |
| 127,300   | 95,960    | 70,620    | 84,690    | 127,600   | 149,200   | 103,700   | 118,700   | 83,540    |
| 744       | 411       | 85        | 63        | --        | --        | --        | --        | --        |
| 200       | 47        | 5         | 37        | --        | --        | --        | --        | --        |
| 860       | 91        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 725,600   | 606,200   | 512,800   | 654,500   | 757,800   | 975,100   | 650,000   | 855,600   | 481,400   |
| 5,530,000 | 5,535,000 | 5,958,000 | 6,482,000 | 6,353,000 | 6,202,000 | 5,813,000 | 6,175,000 | 7,130,000 |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 1,436     | 749       | 248       | 1,014     | 705       | 10,960    | 438       | --        | --        |
| 4,840     | 3,805     | 3,160     | 2,732     | --        | --        | --        | --        | --        |
| 3,776     | 2,975     | 2,355     | 2,575     | --        | --        | --        | --        | --        |
| 83,200    | 56,470    | 49,490    | 55,560    | 65,940    | 147,600   | 68,600    | 125,800   | 58,380    |
| 5,124     | 2,269     | 1,851     | 2,604     | --        | --        | --        | --        | --        |
| 401,400   | 288,700   | 238,600   | 222,400   | 318,600   | 595,500   | 315,700   | 525,100   | 287,400   |

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 17,260    | 9,230     | 15,740    | 9,061     | 8,667     | 13,020    | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 6,959,000 | 6,838,000 | 7,376,000 | 7,554,000 | 7,038,000 | 6,388,000 | 8,547,000 | 7,746,000 | 8,479,000 |
| 911,800   | 954,500   | 1,017,000 | 1,083,000 | 1,054,000 | 1,115,000 | 1,218,000 | 1,024,000 | 1,047,000 |
| --        | 4,573     | 606       | 25,020    | 29,420    | 218,900   | 11,220    | 60,140    | 5,114     |
| 372,500   | 599,400   | 655,200   | 412,500   | 466,000   | 811,800   | 715,900   | 666,500   | 1,223,000 |
| 5,904,000 | 5,604,000 | 5,860,000 | 5,937,000 | 5,363,000 | 5,039,000 | 6,485,000 | 6,206,000 | 6,670,000 |
| 6,010,000 | 5,571,000 | 5,918,000 | 5,948,000 | 5,323,000 | 4,875,000 | 6,002,000 | 5,552,000 | 6,053,000 |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 51,180    | 22,980    | 18,800    | 66,340    | 78,070    | 89,990    | 22,100    | 70,490    | 21,610    |
| 22,540    | 9,540     | 6,292     | 28,490    | 31,170    | 50,810    | 9,259     | 27,790    | 6,639     |
| 94,250    | 58,650    | 49,800    | 105,700   | 124,600   | 141,600   | --        | --        | --        |
| 186,700   | 107,300   | 89,760    | 230,100   | 275,200   | 355,800   | 99,250    | 252,700   | 95,550    |
| 336,700   | 157,800   | 80,470    | 431,300   | 682,600   | 731,800   | 158,900   | 460,600   | 104,600   |
| 10,570    | 6,549     | 6,674     | 5,824     | 4,149     | 13,830    | 3,684     | 13,460    | 4,705     |
| 411,400   | 389,100   | 100,700   | 322,700   | 503,100   | 1,232,000 | 399,800   | 432,400   | 364,000   |
| 23,060    | 21,160    | 24,810    | 27,390    | 21,440    | 92,960    | 24,200    | 24,690    | 17,620    |
| 538,600   | 392,700   | 371,900   | 592,800   | 610,500   | 783,800   | 489,800   | 665,100   | 396,000   |
| 26,670    | 9,679     | 4,553     | 33,430    | 37,810    | --        | --        | --        | --        |
| 471,200   | 616,900   | 391,500   | 638,800   | 1,022,000 | 1,993,000 | 328,800   | 630,700   | 422,800   |
| 30,960    | 22,510    | 23,250    | 28,750    | 31,490    | 53,940    | 23,580    | 34,570    | 23,020    |
| 7,398     | 4,838     | 5,047     | 7,923     | 9,289     | 15,950    | 6,285     | --        | --        |
| --        | --        | --        | --        | --        | --        | --        | --        | 2,549     |
| --        | --        | --        | 10,840    | 15,360    | 37,750    | 7,813     | 16,530    | 2,813     |
| 866       | 584       | 257       | 724       | 1,096     | 1,520     | 386       | 929       | 199       |
| 136,600   | 85,400    | 87,510    | 122,900   | 154,300   | 242,500   | 99,520    | 156,400   | 78,810    |
| 141,600   | 113,800   | 90,210    | 110,100   | 134,800   | 577,800   | 98,420    | 284,500   | 83,040    |
| 12,730    | 1,787     | 1,203     | 22,830    | 20,990    | 97,480    | 6,063     | 38,550    | 2,580     |
| 482,500   | 444,200   | 488,000   | 455,200   | 1,076,000 | 3,157,000 | 499,700   | 1,053,000 | 351,300   |
| 18,030    | 16,360    | 11,610    | 10,170    | 213,000   | 3,588,000 | 553,200   | --        | --        |
| 2,883,000 | 1,771,000 | 1,612,000 | 1,610,000 | 1,606,000 | 4,339,000 | 1,925,000 | 1,748,000 | 1,664,000 |
| 2,771,000 | 3,169,000 | 3,402,000 | 3,436,000 | 3,054,000 | 3,184,000 | 3,410,000 | 3,317,000 | 3,306,000 |
| --        | --        | --        | --        | --        | --        | --        | --        | --        |
| 16,710    | 21,260    | 18,540    | 20,440    | --        | --        | --        | --        | --        |
| 3,639     | 4,669     | 2,234     | 3,121     | --        | --        | --        | --        | --        |

|         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3,739   | 4,029   | 2,958   | 2,997   | --      | --      | --      | --      | --      |
| 25,280  | 22,860  | 22,360  | 29,230  | --      | --      | --      | --      | --      |
| 31,850  | 26,280  | 23,390  | 28,900  | --      | --      | --      | --      | --      |
| 29,410  | 22,160  | 16,350  | 28,060  | --      | --      | --      | --      | --      |
| 24,790  | 30,790  | 25,710  | 29,150  | --      | --      | --      | --      | --      |
| 54,980  | 72,100  | 53,050  | 74,500  | 71,220  | 194,000 | 76,640  | 142,500 | 154,600 |
| 73,440  | 70,780  | 52,300  | 74,690  | 62,690  | 158,400 | --      | --      | --      |
| 12,640  | 16,410  | 13,220  | 17,580  | --      | --      | --      | --      | --      |
| 155,400 | 128,400 | 148,500 | 125,400 | 143,600 | 97,350  | --      | --      | --      |
| 312,600 | 307,300 | 284,500 | 294,600 | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 2,068   | 3,923   | --      | --      | --      | --      | --      | --      | --      |
| 5,812   | 7,402   | 5,290   | 6,032   | 4,468   | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 27,390  | 36,970  | 25,100  | 28,630  | 22,520  | --      | --      | --      | --      |
| 17,340  | 17,620  | 13,460  | 14,760  | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 613,200 | 652,500 | 553,600 | 599,900 | 428,900 | 747,800 | 584,500 | 747,500 | 786,700 |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 14,530  | 16,730  | 16,120  | 16,550  | --      | --      | --      | --      | --      |
| 26,890  | 29,240  | 34,940  | 32,530  | 28,250  | 38,940  | 33,190  | 55,680  | 56,320  |
| 11,020  | 14,060  | 11,290  | 14,920  | --      | --      | --      | --      | --      |
| 9,081   | 11,970  | 11,130  | 6,501   | --      | --      | --      | --      | --      |
| 61,800  | 83,480  | 65,620  | 76,040  | --      | --      | --      | --      | --      |
| 10,060  | 16,000  | 9,923   | 13,650  | --      | --      | --      | --      | --      |
| 621     | 917     | 513     | 919     | --      | --      | --      | --      | --      |
| 29,770  | 34,220  | 39,870  | 43,550  | 47,770  | 100,100 | 79,420  | 139,400 | 139,300 |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 22,430  | 17,350  | 11,990  | 8,754   | 7,092   | 10,050  | 8,140   | --      | --      |
| 956     | 1,128   | 816     | 993     | --      | --      | --      | --      | --      |
| 73,530  | 85,300  | 81,590  | 67,930  | --      | --      | --      | --      | --      |
| --      | --      | --      | --      | --      | --      | --      | --      | --      |
| 11,060  | 11,830  | 11,340  | 11,740  | --      | --      | --      | --      | --      |
| 16,610  | 18,620  | 16,670  | 15,590  | --      | --      | --      | --      | --      |
| 56,810  | 59,760  | 63,250  | 62,730  | --      | --      | --      | --      | --      |
| 20,110  | 12,060  | 19,900  | 25,970  | --      | --      | --      | --      | --      |
| 7,288   | 7,957   | --      | --      | --      | --      | --      | --      | --      |
| 112,900 | 163,200 | 149,000 | 158,600 | 142,400 | 99,550  | 116,800 | 92,300  | 104,900 |

|           |           |           |           |           |           |           |        |        |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|
| 578       | 741       | 474       | 765       | 537       | 1,561     | 912       | 1,950  | 1,729  |
| 971       | 719       | 504       | 484       | --        | --        | --        | --     | --     |
| 573       | 622       | 454       | 567       | --        | --        | --        | --     | --     |
| 468       | 508       | 317       | 437       | --        | --        | --        | --     | --     |
| 205       | 79        | 132       | 186       | --        | --        | --        | --     | --     |
| 375       | 419       | 245       | 239       | --        | --        | --        | --     | --     |
| 5,846     | 2,633     | 2,046     | 2,328     | --        | --        | --        | --     | --     |
| 21,660    | 12,760    | 10,450    | 11,270    | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 38,410    | 22,480    | 18,600    | 19,320    | --        | --        | --        | --     | --     |
| 37,700    | 24,170    | 17,460    | 15,740    | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 66,720    | 61,020    | 42,480    | 36,570    | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 264,800   | 238,000   | 173,500   | 185,500   | --        | --        | --        | --     | --     |
| 696       | 772       | 520       | 1,377     | --        | --        | --        | --     | --     |
| 265,700   | 244,500   | 185,900   | 180,200   | 193,400   | 195,900   | 204,500   | --     | --     |
| 9,500     | 5,737     | 3,898     | 4,546     | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 10,020    | 4,557     | 4,863     | 5,188     | --        | --        | --        | --     | --     |
| 1,020     | 654       | 504       | 610       | 539       | 981       | 659       | 1,736  | 934    |
| 543       | 283       | 206       | 254       | 368       | 441       | 256       | 1,043  | 549    |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 1,571,000 | 1,642,000 | 1,649,000 | 1,693,000 | 1,607,000 | 1,709,000 | 1,858,000 | --     | --     |
| 1,164,000 | 964,800   | --        | --        | --        | --        | --        | --     | --     |
| 325       | 207       | 197       | 551       | 543       | 1,397     | 283       | 913    | 203    |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 16,110    | 15,590    | 14,790    | 14,810    | 14,420    | 16,120    | 14,850    | 17,700 | 18,100 |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 10,970    | 14,630    | 11,430    | 11,590    | 10,430    | 20,910    | 13,440    | 32,740 | --     |
| 9,796     | 8,040     | 7,484     | 5,849     | 5,842     | 5,998     | 8,378     | 35,760 | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| --        | --        | --        | --        | --        | --        | --        | --     | --     |
| 16,580    | 34,090    | 23,040    | 19,920    | 17,970    | 50,260    | 22,400    | 75,620 | --     |



| <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> | <b>2002</b> | <b>2003</b> |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 31,640      | 25,460      | 34,740      | 17,550      | --          | --          | --          |
| 86,240      | 71,130      | 80,780      | 37,380      | 55,060      | 20,140      | 17,860      |
| --          | --          | --          | --          | --          | --          | --          |
| --          | --          | --          | --          | --          | --          | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 3,009       | 2,501       | 2,596       | 1,401       | 2,840       | 1,093       | --          |
| 13,830      | 10,840      | --          | --          | --          | --          | --          |
| 150,900     | 135,800     | 146,500     | 84,440      | 109,200     | 60,460      | --          |
| 16,650      | --          | --          | --          | --          | --          | --          |
| 31,530      | 27,270      | 27,850      | 11,750      | 23,080      | 6,072       | --          |
| --          | --          | --          | --          | --          | --          | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 113,700     | 130,500     | 90,960      | 125,500     | 67,940      | 103,400     | --          |
| 291,800     | 294,200     | 274,500     | 233,800     | 194,000     | 171,600     | --          |
| 4,346       | 3,929       | 4,019       | --          | --          | --          | --          |
| 299,400     | 296,800     | 288,200     | 214,300     | 203,500     | 170,400     | --          |
| 17,850      | 15,690      | 15,380      | 10,920      | 14,950      | 8,565       | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 252,100     | 258,000     | 293,900     | 199,900     | 191,500     | 129,000     | --          |
| 451,800     | 376,700     | 346,900     | 218,800     | 247,100     | 159,300     | --          |
| 34,640      | 20,130      | 60,270      | 7,930       | 7,830       | 9,526       | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 578,000     | 519,000     | 533,500     | 300,300     | 224,400     | 159,800     | --          |
| 535,900     | 477,500     | 449,000     | 258,800     | 291,600     | 215,500     | --          |
| 417,300     | 424,000     | 416,400     | 399,000     | 418,000     | 414,400     | 248,500     |
| --          | --          | --          | --          | --          | --          | --          |
| --          | --          | --          | --          | --          | --          | --          |
| 3,012       | 1,911       | 2,078       | 1,919       | 1,520       | 1,015       | 2,472       |
| 765         | 627         | 663         | 681         | 631         | 397         | 759         |
| 1,295       | 1,225       | 1,110       | 953         | 788         | 545         | 923         |
| 593         | 443         | 472         | 313         | 267         | 212         | 386         |
| --          | --          | --          | --          | --          | --          | --          |
| 1,369       | 821         | 838         | 787         | 518         | 404         | 922         |
| 452         | 252         | 251         | 269         | 120         | 83          | 328         |
| 211         | 117         | 133         | 107         | 93          | 52          | 110         |
| 28,380      | 16,680      | 18,020      | 16,510      | 8,982       | 7,843       | 10,860      |

|         |         |         |         |        |        |        |
|---------|---------|---------|---------|--------|--------|--------|
| --      | --      | --      | --      | --     | --     | --     |
| 315     | 261     | 262     | 246     | 251    | 154    | 325    |
| 772     | 549     | 687     | 548     | 278    | 96     | 559    |
| 1,678   | 1,213   | 1,291   | 1,151   | 917    | 427    | 1,302  |
| 424     | 324     | 315     | 316     | 290    | --     | --     |
| 1,571   | 1,182   | 1,240   | 1,193   | 1,200  | 730    | 1,340  |
| 4,595   | 3,311   | 3,613   | 3,505   | 3,002  | 1,684  | 4,247  |
| 8,075   | 4,744   | 5,237   | 5,304   | 4,753  | 2,720  | 6,920  |
| 12,440  | 7,127   | 8,011   | 9,894   | 7,528  | 7,217  | 6,466  |
| --      | --      | --      | --      | --     | --     | --     |
| --      | --      | --      | --      | --     | --     | --     |
| 3,777   | 2,240   | 3,198   | 2,275   | 2,819  | 1,054  | 3,062  |
| 11,070  | 6,248   | 9,013   | 7,514   | 8,586  | 4,116  | 10,020 |
| 4,684   | 3,168   | 4,160   | 3,453   | 3,790  | 2,024  | 4,602  |
| 417     | 211     | 285     | 296     | 284    | 144    | 351    |
| 40,710  | 28,910  | 34,110  | 32,010  | 29,870 | 18,800 | 29,400 |
| 46,710  | 29,050  | 38,930  | 25,080  | 19,010 | 11,250 | 11,670 |
| 1,474   | 977     | 1,197   | 1,177   | 1,236  | 656    | 1,372  |
| --      | --      | --      | --      | --     | --     | --     |
| --      | --      | --      | --      | --     | --     | --     |
| --      | --      | --      | --      | --     | --     | --     |
| --      | --      | --      | --      | --     | --     | --     |
| --      | --      | --      | --      | --     | --     | --     |
| 74,750  | 48,040  | 55,080  | 48,140  | 33,220 | 28,790 | 25,040 |
| 196,200 | 131,000 | 134,700 | 130,300 | 91,440 | 77,080 | 84,810 |
| 695     | 478     | 553     | 555     | 546    | 330    | 678    |
| 922     | 465     | 556     | 540     | 473    | 312    | 544    |
| 198     | 89      | 102     | 115     | 104    | 47     | 118    |
| 155     | 107     | 124     | 113     | 99     | 64     | 128    |
| 11,760  | 8,671   | 8,748   | 8,020   | 7,730  | 5,111  | 8,899  |
| 2,488   | 2,082   | 1,787   | --      | --     | --     | --     |
| 15,700  | --      | --      | --      | --     | --     | --     |
| 4,818   | 2,957   | 4,149   | 3,761   | 2,982  | 1,741  | 3,262  |
| 1,611   | 1,018   | 1,258   | 1,095   | 917    | 564    | 1,146  |
| 4,050   | 2,012   | 2,960   | 2,712   | 2,418  | 1,447  | 3,061  |
| 133     | 106     | 107     | 122     | 96     | 72     | 114    |
| 579     | 430     | 422     | 502     | 357    | 274    | 420    |
| 1,193   | 812     | 855     | 891     | 651    | 433    | 796    |
| 12,110  | 8,079   | 9,387   | 9,156   | 7,347  | 4,751  | 7,991  |
| 1,312   | 905     | 1,073   | 962     | 893    | 594    | 1,001  |
| 960     | 680     | 737     | 808     | 695    | 439    | 921    |

|           |           |           |           |           |         |           |
|-----------|-----------|-----------|-----------|-----------|---------|-----------|
| 2,274     | 1,567     | 2,048     | 2,172     | 1,872     | 1,484   | 2,540     |
| 297       | 249       | 256       | 263       | 253       | 157     | 330       |
| 425       | 332       | 375       | 387       | 351       | 252     | 582       |
| 527       | 419       | 482       | 429       | 489       | 310     | 520       |
| 636       | 418       | 452       | 469       | 389       | 222     | 501       |
| 12,880    | 8,948     | 10,120    | --        | --        | --      | --        |
| 401       | 253       | 311       | 330       | 303       | 161     | 353       |
| 1,784     | 1,474     | 1,335     | 1,350     | 1,171     | 878     | 1,185     |
| 43,620    | 31,290    | 34,180    | --        | --        | --      | --        |
| 10,990    | 8,741     | 8,554     | 7,944     | 7,322     | 4,937   | 6,546     |
| 178,000   | 160,900   | 165,700   | 159,000   | --        | --      | --        |
| 542,900   | 435,200   | 436,500   | 406,500   | 346,500   | 269,100 | 327,700   |
| --        | --        | --        | --        | --        | --      | --        |
| 2,829     | 1,689     | 2,707     | 1,705     | 1,340     | 1,070   | 1,250     |
| 4,530     | 2,970     | 4,092     | 2,919     | 2,499     | 1,927   | 2,514     |
| 1,045     | 883       | 1,263     | 904       | 665       | 453     | 759       |
| --        | --        | --        | --        | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| 28,430    | 24,540    | 22,620    | 23,210    | 17,080    | 16,710  | 13,060    |
| 58,650    | 54,820    | 45,790    | 40,130    | 40,090    | 30,370  | 41,620    |
| 337,400   | 310,600   | 281,400   | 251,700   | 230,900   | 189,800 | 219,200   |
| 1,110,000 | 1,007,000 | 958,700   | --        | --        | --      | --        |
| 7,730     | 9,862     | 6,710     | 4,376     | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| 1,644,000 | --        | --        | --        | --        | --      | --        |
| 1,662,000 | 1,515,000 | 1,400,000 | 1,304,000 | 1,195,000 | 995,300 | 1,095,000 |
| 80,520    | 82,850    | 57,010    | 44,170    | 33,590    | 22,580  | 28,120    |
| 1,506,000 | 1,303,000 | 1,093,000 | 976,600   | 763,700   | 527,100 | 710,200   |
| 7,259     | 5,146     | 6,386     | 5,031     | 4,840     | 3,474   | 4,779     |
| 13,770    | 10,390    | 11,050    | 10,850    | 8,911     | 7,473   | 6,995     |
| 30,330    | 20,660    | 23,020    | 21,110    | 17,340    | 13,930  | 14,790    |
| 9,744     | 7,718     | 7,046     | 6,167     | 6,715     | 4,645   | 6,746     |
| 46,550    | 32,950    | 38,040    | 28,900    | 28,580    | 19,180  | 29,550    |
| 55,230    | 38,200    | 42,220    | 34,520    | 32,570    | 21,900  | 32,320    |
| 110,500   | 71,520    | 78,370    | 67,010    | 60,980    | 37,990  | 56,750    |
| 6,271     | 5,281     | 4,682     | 4,251     | 4,001     | 1,886   | 3,649     |
| 5,250     | 5,420     | 6,295     | 4,278     | 4,781     | 2,408   | 2,427     |
| 35,720    | 26,200    | 27,530    | 20,800    | 20,890    | 9,523   | 14,090    |
| 21,950    | 16,280    | 22,180    | 16,650    | 17,560    | 8,286   | 14,530    |
| 7,032     | 6,353     | 5,795     | 5,287     | 4,914     | 3,247   | 5,441     |
| 211,800   | 138,200   | 114,000   | 118,500   | 76,750    | 63,340  | 48,000    |
| --        | --        | --        | --        | --        | --      | --        |



|           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 52,320    | 45,000    | 28,620    | 25,970    | 21,610    | 13,090    | 26,080    |
| 5,695     | 4,253     | 2,270     | 1,950     | 2,002     | 1,485     | 2,852     |
| --        | --        | --        | --        | --        | --        | --        |
| 3,809     | 3,186     | 2,284     | --        | --        | --        | --        |
| 3,033     | 3,068     | 2,168     | --        | --        | --        | --        |
| 866,700   | 746,600   | 588,800   | 561,000   | 440,900   | 346,200   | 348,400   |
| 60,000    | 48,760    | 51,350    | 41,920    | 45,100    | 31,830    | 41,730    |
| 23,300    | 14,130    | 18,080    | 11,500    | 10,510    | 6,724     | --        |
| 110,500   | 71,670    | 95,140    | 63,870    | 67,430    | 47,980    | 61,310    |
| 116,400   | 80,160    | 97,000    | 62,000    | 65,960    | 44,710    | 53,580    |
| 381,800   | 312,600   | 393,200   | 253,600   | 271,300   | 211,600   | 215,600   |
| 1,382,000 | 1,211,000 | 1,101,000 | 1,013,000 | 898,200   | 750,900   | 728,700   |
| 47,020    | 47,870    | 43,260    | 42,850    | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 3,535,000 | 3,167,000 | 2,846,000 | 2,542,000 | 2,275,000 | 1,839,000 | 2,036,000 |
| --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 1,732     | 1,284     | 765       | 345       | 448       | 29        | 172       |
| 141,200   | 101,800   | 69,240    | 53,180    | 34,350    | 16,650    | 20,720    |
| 194,600   | 161,900   | 133,000   | 114,600   | 93,580    | 61,170    | 59,220    |
| 66,830    | 51,210    | 59,490    | 44,670    | 44,480    | 23,160    | 35,610    |
| --        | --        | --        | --        | --        | --        | --        |
| 325,600   | 271,700   | 229,200   | 177,600   | 147,600   | 87,270    | 105,100   |
| 3,801,000 | 3,400,000 | 3,080,000 | 2,757,000 | 2,427,000 | 1,957,000 | 2,113,000 |
| --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 443,900   | 389,500   | 431,100   | 267,000   | 185,600   | 145,400   | 203,200   |
| 63,990    | 43,640    | 67,110    | --        | --        | --        | --        |
| 157,100   | 130,700   | 156,600   | --        | --        | --        | --        |
| 559,500   | 509,500   | 545,500   | 361,000   | 269,800   | 221,200   | 280,100   |
| --        | --        | --        | --        | --        | --        | --        |
| 248,100   | 274,500   | 279,800   | 94,590    | 75,420    | 21,130    | 38,160    |
| 1,145,000 | 1,031,000 | 1,259,000 | 757,700   | 429,700   | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 36,280    | 28,600    | 24,220    | 19,990    | 18,300    | 9,881     | 17,310    |
| 33,950    | 28,290    | 23,270    | 19,070    | 17,810    | 11,950    | 14,710    |
| 1,431     | 1,277     | 915       | 953       | 812       | 538       | 1,042     |
| 53,200    | 49,140    | 40,010    | 38,180    | 32,820    | 22,620    | 33,410    |
| 41,270    | 37,900    | 32,820    | 28,260    | 24,740    | 17,170    | 25,260    |

|           |           |           |           |         |         |         |
|-----------|-----------|-----------|-----------|---------|---------|---------|
| 2,625     | 2,859     | 1,262     | 585       | 627     | --      | --      |
| 6,499     | 5,538     | 2,269     | 1,415     | 871     | --      | --      |
| 10,110    | 9,428     | 3,709     | 1,935     | 1,568   | --      | --      |
| --        | --        | --        | --        | --      | --      | --      |
| --        | --        | --        | --        | --      | --      | --      |
| 276,000   | 262,200   | 202,500   | 184,700   | 161,900 | 95,620  | 169,400 |
| 66,890    | 68,340    | 47,910    | 35,250    | 33,500  | --      | --      |
| 426,700   | 405,300   | 302,300   | 268,300   | 228,800 | 145,000 | 258,500 |
| 17,380    | 17,060    | 16,870    | --        | --      | --      | --      |
| 9,637     | 10,010    | 8,875     | 6,918     | 6,057   | 3,812   | 6,098   |
| 170,100   | 145,200   | 151,200   | 90,060    | 79,000  | 43,580  | 76,700  |
| --        | --        | --        | --        | --      | --      | --      |
| 1,684,000 | 1,669,000 | 1,570,000 | 1,162,000 | 872,700 | 665,100 | 863,400 |
| --        | --        | --        | --        | --      | --      | --      |
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| 288,900   | 380,800   | 337,700   | 155,000   | 125,500 | 61,410  | 56,790  |
| 61,110    | 63,450    | 54,390    | 50,180    | 47,630  | --      | --      |
| --        | --        | --        | --        | --      | --      | --      |
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|-----------|-----------|-----------|-----------|-----------|---------|-----------|
| 42,640    | --        | --        | --        | --        | --      | --        |
| 131,300   | 140,800   | 121,500   | 98,840    | 91,970    | 60,200  | 93,720    |
| 166,200   | 173,700   | 149,200   | 128,400   | 129,400   | 94,910  | 125,500   |
| 216,700   | 227,700   | 197,000   | 166,700   | 163,500   | 122,800 | 163,300   |
| 14,440    | 26,830    | --        | --        | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| 34,760    | 60,140    | --        | --        | --        | --      | --        |
| 51,630    | 85,860    | 49,170    | 25,940    | 21,900    | 18,400  | 11,180    |
| --        | --        | --        | --        | --        | --      | --        |
| 1,572     | 4,654     | 2,342     | 803       | 643       | 532     | 418       |
| 9,564     | 15,010    | 18,000    | 11,650    | 7,934     | 6,484   | 5,742     |
| 313,000   | 331,000   | 270,200   | 228,300   | 213,700   | 158,800 | 200,100   |
| --        | --        | --        | --        | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| 337,600   | 369,600   | 288,300   | 226,100   | 216,300   | 147,000 | 220,100   |
| --        | --        | --        | --        | --        | --      | --        |
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| --        | --        | --        | --        | --        | --      | --        |
| 2,738,000 | 2,827,000 | 2,492,000 | 1,713,000 | 1,334,000 | 940,900 | 1,192,000 |
| --        | --        | --        | --        | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| --        | --        | --        | --        | --        | --      | --        |
| 236,800   | 221,800   | 193,500   | 91,980    | 90,630    | 42,520  | 32,640    |
| --        | --        | --        | --        | --        | --      | --        |
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| 76,140    | 70,470    | 74,630    | 40,160    | 61,510    | 23,410    | 35,960    |
| 66,730    | 49,330    | 59,450    | 33,830    | 48,430    | 14,100    | 26,370    |
| 6,284     | 4,058     | 5,745     | 2,884     | 4,792     | 1,538     | 2,957     |
| 38,750    | 25,590    | 38,540    | 15,300    | 25,020    | 7,797     | 8,101     |
| 8,243     | 6,210     | 6,807     | 5,731     | 6,894     | 2,739     | 3,413     |
| 164,100   | 160,800   | 170,000   | 94,140    | 143,200   | 105,900   | --        |
| 51,850    | 45,170    | 47,730    | 38,040    | 42,570    | 29,280    | 37,060    |
| 193,800   | 154,500   | 178,600   | 125,700   | 146,600   | 86,450    | 118,100   |
| 283,200   | 208,700   | --        | --        | --        | --        | --        |
| 310,400   | 204,700   | 269,100   | 157,700   | 194,800   | 77,650    | --        |
| --        | --        | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 625,000   | 507,800   | 639,000   | 357,800   | 443,600   | 258,700   | --        |
| 51,030    | 33,980    | 28,740    | 16,670    | 14,120    | 5,192     | 5,126     |
| 722,900   | 608,100   | 749,000   | 465,600   | 575,400   | 326,700   | --        |
| 13,970    | 12,020    | 11,910    | 11,280    | 11,310    | 7,874     | 9,389     |
| --        | --        | --        | --        | --        | --        | --        |
| 112,300   | 92,950    | 92,350    | 84,900    | 64,580    | 41,040    | 36,160    |
| 129,100   | 98,640    | 99,180    | 83,880    | 62,820    | 33,900    | 32,500    |
| --        | --        | --        | --        | --        | --        | --        |
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| 777,500   | 648,300   | 737,800   | 451,800   | 519,200   | 323,100   | 341,000   |
| 8,115,000 | 7,710,000 | 6,603,000 | 5,861,000 | 5,557,000 | 5,904,000 | 6,433,000 |
| --        | --        | --        | --        | --        | --        | --        |
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| 73,130    | 112,500   | 69,350    | 61,430    | 66,650    | 44,800    | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 325,500   | 457,100   | 311,600   | 254,800   | 254,800   | 198,600   | 207,300   |

|           |           |           |           |           |           |           |
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| --        | --        | --        | --        | --        | --        | --        |
| 27,850    | 36,380    | 35,410    | 34,950    | 37,160    | 32,960    | 39,860    |
| --        | --        | --        | --        | --        | --        | --        |
| 9,041,000 | 9,250,000 | 8,492,000 | 8,052,000 | 7,763,000 | 7,948,000 | 7,453,000 |
| 1,075,000 | 916,500   | 989,500   | 1,047,000 | 1,022,000 | 1,037,000 | 632,700   |
| 3,565     | 3,659     | 2,929     | 1,847     | 1,903     | 1,599     | 1,338     |
| 987,300   | 1,151,000 | 1,072,000 | 1,094,000 | 1,284,000 | 1,322,000 | 1,232,000 |
| 7,278,000 | 7,757,000 | 7,277,000 | 6,719,000 | 6,289,000 | 6,182,000 | 6,025,000 |
| 7,072,000 | 7,823,000 | 7,338,000 | 6,574,000 | 5,915,000 | 5,783,000 | 5,404,000 |
| --        | --        | --        | --        | --        | --        | --        |
| 45,350    | 48,310    | 26,520    | 14,080    | 43,300    | 17,810    | --        |
| 10,320    | 16,450    | 11,230    | 6,221     | 25,550    | 7,533     | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 150,100   | 161,700   | 106,800   | 71,620    | 160,500   | 67,920    | 78,600    |
| 232,100   | 290,200   | 137,600   | 84,440    | 250,900   | 73,860    | 88,570    |
| 2,972     | 5,547     | 6,936     | 8,512     | 21,830    | 2,866     | 2,616     |
| 253,900   | 263,700   | 127,100   | 76,290    | 205,800   | 56,360    | 62,520    |
| 16,030    | 13,670    | 8,578     | 12,480    | 11,320    | 8,470     | 5,999     |
| 514,400   | 599,800   | 488,000   | 413,200   | 619,100   | 441,300   | 630,600   |
| --        | --        | --        | --        | --        | --        | --        |
| 446,200   | 399,100   | 386,600   | 354,200   | 499,800   | 440,000   | 197,400   |
| 24,050    | 28,780    | 22,320    | 21,430    | 23,370    | 21,110    | 23,310    |
| --        | --        | --        | --        | --        | --        | --        |
| 5,142     | 7,696     | 3,964     | 3,255     | 5,052     | 3,231     | 5,097     |
| 3,481     | 14,030    | 4,122     | 1,319     | 7,197     | 1,034     | 8,952     |
| --        | --        | --        | --        | --        | --        | --        |
| 94,180    | 140,800   | 86,900    | 71,840    | 97,360    | 64,890    | 92,440    |
| 68,650    | 194,300   | 101,700   | 93,030    | 85,090    | 104,000   | 87,240    |
| --        | --        | --        | --        | --        | --        | --        |
| 350,900   | 402,600   | --        | --        | --        | --        | --        |
| --        | --        | --        | --        | --        | --        | --        |
| 2,566,000 | 3,496,000 | 3,205,000 | --        | --        | --        | --        |
| 3,344,000 | 3,161,000 | 3,149,000 | 3,272,000 | 3,172,000 | 3,342,000 | 3,164,000 |
| --        | --        | --        | --        | --        | --        | --        |
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| --        | --        | --        | --      | --      | --      | --      |
| 51,160    | 76,230    | 205,200   | 92,810  | 55,310  | 35,610  | 45,410  |
| --        | --        | --        | --      | --      | --      | --      |
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| --        | --        | --        | --      | --      | --      | --      |
| 1,172,000 | 1,250,000 | 1,183,000 | 739,800 | --      | --      | --      |
| --        | --        | --        | --      | --      | --      | --      |
| --        | --        | --        | --      | --      | --      | --      |
| 66,920    | 61,770    | 55,320    | 37,480  | --      | --      | --      |
| --        | --        | --        | --      | --      | --      | --      |
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| --        | --        | --        | --      | --      | --      | --      |
| 186,400   | 184,100   | 154,100   | 76,620  | --      | --      | --      |
| --        | --        | --        | --      | --      | --      | --      |
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| 116,900   | 125,100   | 109,100   | 106,900 | 121,500 | 107,300 | 130,700 |



|         |         |         |         |         |         |        |
|---------|---------|---------|---------|---------|---------|--------|
| 108,600 | 86,970  | 83,700  | 57,530  | 64,360  | 64,300  | 63,050 |
| 139,100 | 141,800 | --      | --      | --      | --      | --     |
| --      | --      | --      | --      | --      | --      | --     |
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| --      | --      | --      | --      | --      | --      | --     |
| 789     | 772     | 632     | 468     | 266     | 441     | 439    |
| 9,175   | 7,178   | 6,608   | 4,853   | 2,682   | 4,338   | 4,779  |
| 363     | 313     | 296     | 215     | 116     | 191     | 211    |
| 1,074   | 883     | 799     | 613     | 312     | 551     | 663    |
| 578     | 473     | 496     | 352     | 139     | 229     | 270    |
| 712     | 641     | 574     | 449     | 184     | 305     | 303    |
| 1,111   | 894     | 884     | 572     | 351     | 410     | 482    |
| 921     | 780     | 838     | 589     | 312     | 425     | --     |
| --      | --      | --      | --      | --      | --      | --     |
| --      | --      | --      | --      | --      | --      | --     |
| --      | --      | --      | --      | --      | --      | --     |
| --      | --      | --      | --      | --      | --      | --     |
| 61,290  | 92,410  | 53,750  | 51,360  | 52,310  | 49,310  | --     |
| 136,400 | 244,100 | 145,600 | 153,800 | 173,200 | 139,800 | --     |
| --      | --      | --      | --      | --      | --      | --     |
| --      | --      | --      | --      | --      | --      | --     |

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