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Water-Data Report 2007

**08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM**

Rio Grande-Elephant Butte Basin  
Rio Grande-Albuquerque Subbasin

LOCATION.--Lat 33°41'15.6", long 106°59'33.4" referenced to North American Datum of 1983, Socorro County, NM, Hydrologic Unit 13020203, in Pedro Armendaris Grant No. 34, on right bank at San Marcial, 0.4 mi northwest of Atchison, Topeka and Santa Fe Railway Co. bridge over floodway channel, 1.0 mi southwest of former site of San Marcial, 3.5 mi downstream from railroad bridge near Tiffany siding, and 51 mi downstream from heading at San Acacia.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1958 to September 1959, October 1964 to current year. Prior to October 1964, monthly discharge only published with record for "Rio Grande at San Marcial" (station 08358500).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,454.00 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to Apr. 29, 1958, at datum 4.19 ft higher.

REMARKS.--Records good except for those estimated, which are poor. Conveyance channel is one of two channels (station 08358400) carrying flow in valley cross section. Flow from the river has been diverted since 1965.

## 08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**  
[*e*, estimated]

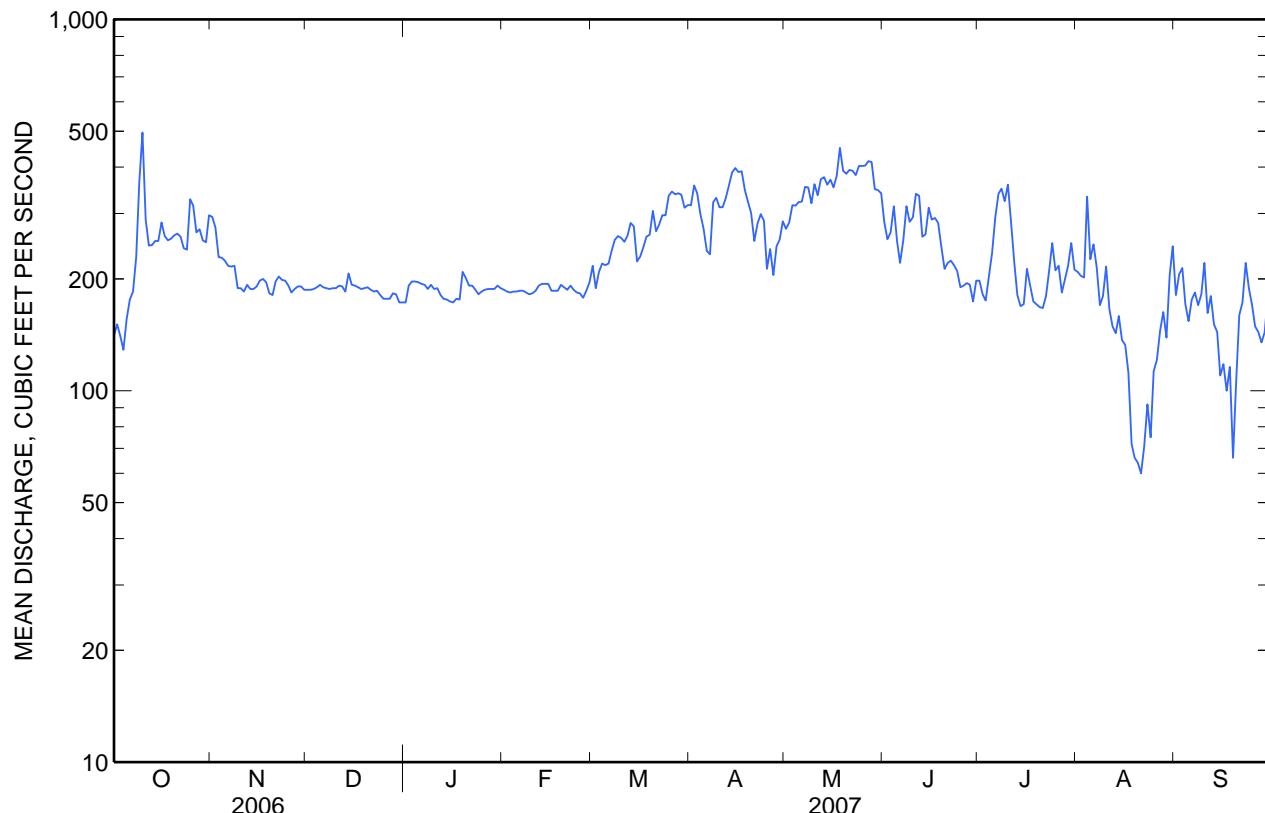
| <b>Day</b>   | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>1</b>     | 141        | 294        | 187        | 173        | 187        | 217        | 316        | 273        | 285        | 198        | 209        | 181        |
| <b>2</b>     | 151        | 275        | 187        | 192        | 185        | 189        | 357        | 284        | 256        | 182        | 204        | 206        |
| <b>3</b>     | 140        | 229        | 188        | 197        | 184        | 209        | 340        | 316        | 267        | 175        | 202        | 214        |
| <b>4</b>     | 129        | 228        | 190        | 197        | 185        | 220        | 299        | 315        | 314        | 203        | 333        | 171        |
| <b>5</b>     | 156        | 224        | 193        | 196        | 185        | 218        | 273        | 322        | 253        | 235        | 226        | 154        |
| <b>6</b>     | 176        | 217        | 190        | 194        | 186        | 220        | 238        | 323        | 221        | 293        | 248        | 176        |
| <b>7</b>     | 185        | 216        | 189        | 193        | 186        | 238        | 233        | 354        | 254        | 339        | 215        | 184        |
| <b>8</b>     | 230        | 217        | 188        | 188        | 184        | 255        | 322        | 353        | 314        | 350        | e170       | 170        |
| <b>9</b>     | 364        | 189        | 189        | 193        | 182        | 261        | 331        | 320        | 285        | 324        | e180       | 182        |
| <b>10</b>    | 496        | 189        | 189        | 188        | 183        | 258        | 312        | 360        | 293        | 359        | e216       | 221        |
| <b>11</b>    | 289        | 185        | 192        | 189        | 186        | 252        | 312        | 336        | 339        | 283        | e166       | 162        |
| <b>12</b>    | 246        | 193        | 191        | 181        | 192        | 262        | 331        | 371        | 335        | 221        | e149       | 180        |
| <b>13</b>    | 247        | 188        | 185        | 177        | 194        | 283        | 358        | 376        | 260        | 181        | e143       | 151        |
| <b>14</b>    | 253        | 188        | 207        | 176        | 194        | 277        | 387        | 359        | 264        | 169        | e159       | 144        |
| <b>15</b>    | 253        | 191        | 193        | 174        | 194        | 223        | 398        | 370        | 311        | 171        | e137       | 110        |
| <b>16</b>    | 284        | 198        | 192        | 173        | 186        | 230        | 388        | 353        | 289        | 213        | e133       | 118        |
| <b>17</b>    | 261        | 200        | 190        | 177        | 186        | 244        | 390        | 379        | 292        | 192        | 112        | 100        |
| <b>18</b>    | 254        | 196        | 188        | 176        | 186        | 260        | 347        | 451        | 283        | 174        | 72         | 116        |
| <b>19</b>    | 257        | 183        | 189        | 209        | 193        | 263        | 323        | 391        | 244        | 171        | 66         | 66         |
| <b>20</b>    | 262        | 181        | 190        | 201        | 190        | 305        | 301        | 384        | 213        | 168        | 64         | 107        |
| <b>21</b>    | 265        | 197        | 187        | 192        | 187        | 269        | 253        | 393        | 221        | 167        | 60         | 160        |
| <b>22</b>    | 260        | 203        | 185        | 192        | 192        | 281        | 282        | 391        | 224        | 180        | 71         | 173        |
| <b>23</b>    | 242        | 199        | 186        | 187        | 187        | 297        | 299        | 381        | 218        | 211        | 92         | 221        |
| <b>24</b>    | 240        | 198        | 181        | 182        | 184        | 297        | 287        | 403        | 210        | 250        | 75         | 189        |
| <b>25</b>    | 328        | 192        | 177        | 185        | 183        | 335        | 213        | 403        | 190        | 211        | 113        | 170        |
| <b>26</b>    | 315        | 184        | 177        | 187        | 178        | 344        | 241        | 404        | 192        | 217        | 121        | 149        |
| <b>27</b>    | 267        | 188        | 177        | 188        | 186        | 338        | 205        | 415        | 195        | 184        | 145        | 144        |
| <b>28</b>    | 272        | 191        | 183        | 188        | 196        | 340        | 245        | 413        | 193        | 200        | 163        | 135        |
| <b>29</b>    | 254        | 191        | 182        | 188        | ---        | 337        | 256        | 349        | 174        | 217        | 139        | 144        |
| <b>30</b>    | 251        | 187        | 173        | 192        | ---        | 311        | 286        | 347        | 198        | 250        | 205        | 183        |
| <b>31</b>    | 297        | ---        | 173        | 189        | ---        | 316        | ---        | 340        | ---        | 212        | 245        | ---        |
| <b>Total</b> | 7,765      | 6,111      | 5,788      | 5,814      | 5,241      | 8,349      | 9,123      | 11,229     | 7,587      | 6,900      | 4,833      | 4,781      |
| <b>Mean</b>  | 250        | 204        | 187        | 188        | 187        | 269        | 304        | 362        | 253        | 223        | 156        | 159        |
| <b>Max</b>   | 496        | 294        | 207        | 209        | 196        | 344        | 398        | 451        | 339        | 359        | 333        | 221        |
| <b>Min</b>   | 129        | 181        | 173        | 173        | 178        | 189        | 205        | 273        | 174        | 167        | 60         | 66         |
| <b>Ac-ft</b> | 15,400     | 12,120     | 11,480     | 11,530     | 10,400     | 16,560     | 18,100     | 22,270     | 15,050     | 13,690     | 9,590      | 9,480      |

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2007, BY WATER YEAR (WY)**

|             | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Mean</b> | 253        | 446        | 441        | 376        | 372        | 394        | 414        | 479        | 414        | 307        | 264        | 235        |
| <b>Max</b>  | 759        | 1,729      | 1,880      | 1,558      | 1,112      | 1,394      | 1,679      | 1,782      | 1,652      | 1,690      | 986        | 730        |
| (WY)        | (1985)     | (1970)     | (1966)     | (1974)     | (1985)     | (1966)     | (1966)     | (1969)     | (1973)     | (1973)     | (1973)     | (1972)     |
| <b>Min</b>  | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       |
| (WY)        | (1969)     | (1977)     | (1975)     | (1975)     | (1975)     | (1977)     | (1976)     | (1976)     | (1976)     | (1976)     | (1976)     | (1974)     |

**08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM—Continued****SUMMARY STATISTICS**

|                                 | <b>Calendar Year 2006</b> | <b>Water Year 2007</b> |         |        | <b>Water Years 1965 - 2007</b> |
|---------------------------------|---------------------------|------------------------|---------|--------|--------------------------------|
| <b>Annual total</b>             | 68,406                    |                        | 83,521  |        |                                |
| <b>Annual mean</b>              | 187                       |                        | 229     |        | 366                            |
| <b>Highest annual mean</b>      |                           |                        |         | 1,137  | 1973                           |
| <b>Lowest annual mean</b>       |                           |                        |         | 0.00   | 1977                           |
| <b>Highest daily mean</b>       | 513                       | Jul 30                 | 496     | Oct 10 | 2,200 May 14, 1966             |
| <b>Lowest daily mean</b>        | 12                        | May 28                 | 60      | Aug 21 | 0.00 Sep 7, 1968               |
| <b>Annual seven-day minimum</b> | 19                        | Jun 2                  | 71      | Aug 18 | 0.00 Sep 7, 1968               |
| <b>Annual runoff (ac-ft)</b>    | 135,700                   |                        | 165,700 |        | 265,300                        |
| <b>10 percent exceeds</b>       | 292                       |                        | 340     |        | 915                            |
| <b>50 percent exceeds</b>       | 183                       |                        | 200     |        | 252                            |
| <b>90 percent exceeds</b>       | 74                        |                        | 161     |        | 0.96                           |



## 08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-1996, December 3, 2004 to August 8, 2005.

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
 Part 1 of 9  
 [Remark codes: <, less than; E, estimated.]

| Date       | Time    | Turbidity<br>white<br>Instan-<br>taneous<br>dis-<br>charge,<br>light,<br>det ang<br>90+/-30<br>degrees | Baro-<br>metric<br>pres-<br>sure,<br>mm Hg | Dissolved<br>oxygen,<br>mg/L | Dissolved<br>oxygen,<br>percent<br>of sat-<br>uration | pH,<br>water,<br>unfltrd<br>field,<br>std<br>units | Specif.<br>conduc-<br>tance,<br>wat unf<br>field,<br>μS/cm | Temper-<br>ature,<br>air,<br>deg C | Temper-<br>ature,<br>water,<br>deg C | Hard-<br>ness,<br>water,<br>mg/L as<br>CaCO <sub>3</sub> | Brom-<br>ide,<br>water,<br>unfltrd<br>μg/L | Calcium<br>water,<br>fltrd,<br>mg/L |      |
|------------|---------|--|--|------------------------------|---|--|--|------------------------------------|--------------------------------------|--|--|-------------------------------------|------|
| (00061)    | (63675) | (00025)  | (00300)                                    | (00301)                      | (00400)   | (00095)  | (00020)  | (00010)                            | (00900)                              | (63689)  | (00915)                                    |                                     |      |
| <b>Nov</b> |         |  |  |                              |   |  |  |                                    |                                      |  |  |                                     |      |
| 14...      | 1155    | 185  | 14   | 646                          | 9.0   | 100  | 8.3  | 1,080                              | 25.0                                 | 12.5   | 260  | E.180                               | 80.2 |
| 14...      | 1155    | --   | --   | --                           | --  | --   | --   | --                                 | --                                   | --   | --   | --                                  | --   |
| <b>Feb</b> |         |  |  |                              |   |  |  |                                    |                                      |  |  |                                     |      |
| 13...      | 1220    | 194  | 18   | 650                          | 8.6   | 94   | 8.3  | 1,220                              | 3.0                                  | 12.0   | 260  | .200                                | 76.2 |
| 13...      | 1220    | --   | --   | --                           | --  | --   | --   | --                                 | --                                   | --   | --   | --                                  | --   |
| <b>May</b> |         |  |  |                              |   |  |  |                                    |                                      |  |  |                                     |      |
| 23...      | 1110    | 371  | 110  | 652                          | 8.4   | 102  | 8.2  | 950                                | 24.5                                 | 17.0   | 160  | .200                                | 48.9 |
| <b>Aug</b> |         |  |  |                              |   |  |  |                                    |                                      |  |  |                                     |      |
| 28...      | 1015    | 164  | 510  | 654                          | 7.0   | 95   | 8.3  | 873                                | 28.0                                 | 22.5   | 230  | E.160                               | 71.8 |
| 28...      | 1015    | --   | --   | --                           | --  | --   | --   | --                                 | --                                   | --   | --   | --                                  | --   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
 Part 2 of 9  
 [Remark codes: <, less than; E, estimated.]

| Date       | Magnes-<br>ium,<br>water,<br>fltrd,<br>mg/L<br>(00925) | Potas-<br>sium,<br>water,<br>fltrd,<br>mg/L<br>(00935) | Sodium,<br>adsorp-<br>tion<br>ratio | Sodium,<br>water,<br>fltrd,<br>mg/L<br>(00931) | wat flt<br>fwd end<br>lab,<br>mg/L as<br>CaCO <sub>3</sub> | Alka-<br>linity,<br>wat flt<br>inc tit<br>field,<br>mg/L as<br>CaCO <sub>3</sub> | Alka-<br>linity,<br>wat flt<br>inc tit<br>field,<br>mg/L as<br>CaCO <sub>3</sub> | Bicar-<br>bonate,<br>wat flt<br>incr.<br>titr.,<br>field,<br>mg/L | Carbon-<br>ate,<br>wat flt<br>incr.<br>titr.,<br>field,<br>mg/L | Chlor-<br>ide,<br>water,<br>fltrd,<br>mg/L<br>(00452) | Fluor-<br>ide,<br>water,<br>fltrd,<br>mg/L<br>(00940) | Silica,<br>water,<br>fltrd,<br>mg/L<br>(00950) | Sulfate,<br>water,<br>fltrd,<br>mg/L<br>(00945) | Residue<br>water,<br>fltrd,<br>sum of<br>consti-<br>tuents<br>mg/L<br>(70301) |
|------------|--|--|-------------------------------------|--|--|--|--|---|---|---|---|--|---|---|
| (00925)    | (00935)  | (00931)  | (00930)                             | (29801)  | (39086)  | (00453)  | (00452)  | (00453)   | (00452)   | (00940)   | (00950)   | (00955)  | (00945)   | (70301)   |
| <b>Nov</b> |  |  |                                     |  |  |  |  |   |   |   |   |  |   |   |
| 14...      | 15.4   | 6.41   | 2.9                                 | 107  | 207  | 214  | 255  | 3   | 81.3  | .56   | 24.8  | 185  | 629   |   |
| 14...      | --   | --   | --                                  | --   | --   | --   | --   | --  | --  | --  | --  | --   | --  | --  |
| <b>Feb</b> |  |  |                                     |  |  |  |  |   |   |   |   |  |   |   |
| 13...      | 16.1   | 7.12   | 3.8                                 | 139  | 212  | 205  | 246  | --  | 114   | .64   | 25.0  | 189  | 688   |   |
| 13...      | --   | --   | --                                  | --   | --   | --   | --   | --  | --  | --  | --  | --   | --  | --  |
| <b>May</b> |  |  |                                     |  |  |  |  |   |   |   |   |  |   |   |
| 23...      | 9.29   | 3.95   | 2.6                                 | 76.0   | 194  | 188  | 225  | 2   | 85.2  | .53   | 17.7  | 156  | 512   |   |
| <b>Aug</b> |  |  |                                     |  |  |  |  |   |   |   |   |  |   |   |
| 28...      | 13.1   | 6.64   | 2.8                                 | 97.4   | 199  | 192  | 229  | 2   | 65.2  | .57   | 25.5  | 148  | 545   |   |
| 28...      | --   | --   | --                                  | --   | --   | --   | --   | --  | --  | --  | --  | --   | --  | --  |

## 08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 3 of 9

[Remark codes: &lt;, less than; E, estimated.]

| Date       | Residue<br>on<br>evap.<br>at<br>180degC<br>wat flt | Ammonia<br>+<br>org-N,<br>water,<br>fltrd,<br>mg/L<br>(70300) | Ammonia<br>+<br>org-N,<br>water,<br>unfltrd,<br>mg/L<br>(00623) | Nitrite<br>+<br>Ammonia<br>water,<br>fltrd,<br>mg/L<br>(00608) | Nitrite<br>+<br>Ammonia<br>water,<br>unfltrd,<br>mg/L<br>(00610) | Ortho-<br>phosphate,<br>water,<br>fltrd,<br>mg/L<br>(00631) | Ortho-<br>phosphate,<br>water,<br>fltrd,<br>mg/L<br>(00671) | E coli,<br>m-TEC<br>100 mL<br>(31633) | Alum-<br>inum,<br>MF,<br>water,<br>fltrd,<br>µg/L<br>(01106) | Anti-<br>mony,<br>water,<br>fltrd,<br>µg/L<br>(01095) |
|------------|--|---|---|--|--|---|---|---------------------------------------|--|---|
|            | mg/L<br>(70300)                                    | as N<br>(00623)   | mg/L<br>(00625)   | as N<br>(00608)  | mg/L<br>(00610)  | as N<br>(00631)   | mg/L<br>(00671)   | mg/L<br>(00666)                       | mg/L<br>(00665)  | mg/L<br>(31633)                                       |
| <b>Nov</b> |  |   |   |  |  |   |   |                                       |  |   |
| 14...      | 643  | .14   | .19   | <.020  | <.100  | E.05  | E.001   | .059                                  | .060   | .107  |
| 14...      | --   | --  | --  | --   | --   | --  | --  | --                                    | --   | --  |
| <b>Feb</b> |  |   |   |  |  |   |   |                                       |  |   |
| 13...      | 715  | .40   | .31   | E.015  | E.076  | <.06  | E.002   | .043                                  | .052   | .115  |
| 13...      | --   | --  | --  | --   | --   | --  | --  | --                                    | --   | --  |
| <b>May</b> |  |   |   |  |  |   |   |                                       |  |   |
| 23...      | 608  | .33   | .49   | .127   | .200   | .12   | .003  | .069                                  | .087   | .23   |
| <b>Aug</b> |  |   |   |  |  |   |   |                                       |  |   |
| 28...      | 559  | .34   | .86   | <.020  | .420   | .30   | .004  | .105                                  | .110   | .47   |
| 28...      | --   | --  | --  | --   | --   | --  | --  | --                                    | --   | --  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 4 of 9

[Remark codes: &lt;, less than; E, estimated.]

| Date       | Arsenic<br>water,<br>fltrd,<br>µg/L<br>(01000) | Barium,<br>water,<br>fltrd,<br>µg/L<br>(01005) | Beryll-<br>ium,<br>water,<br>fltrd,<br>µg/L<br>(01010) | Boron,<br>water,<br>fltrd,<br>µg/L<br>(01020) | Cadmium<br>water,<br>fltrd,<br>µg/L<br>(01025) | Chrom-<br>ium,<br>water,<br>fltrd,<br>µg/L<br>(01030) | Cobalt<br>water,<br>fltrd,<br>µg/L<br>(01035) | Copper,<br>water,<br>fltrd,<br>µg/L<br>(01040) | Iron,<br>water,<br>fltrd,<br>µg/L<br>(01046) | Lead,<br>water,<br>fltrd,<br>µg/L<br>(01049) | Mangan-<br>ese,<br>water,<br>fltrd,<br>µg/L<br>(01056) | Mercury<br>water,<br>unfltrd,<br>recover-<br>able,<br>µg/L<br>(71900) | Molyb-<br>denum,<br>water,<br>fltrd,<br>µg/L<br>(01060) |
|------------|--|--|--|---|--|---|---|--|--|--|--|---|---|
|            | mg/L<br>(01000)                                | mg/L<br>(01005)                                | mg/L<br>(01010)  | mg/L<br>(01020)                               | mg/L<br>(01025)                                | mg/L<br>(01030)                                       | mg/L<br>(01035)                               | mg/L<br>(01040)                                | mg/L<br>(01046)                              | mg/L<br>(01049)                              | mg/L<br>(01056)  | mg/L<br>(71900)   | mg/L<br>(01060)   |
| <b>Nov</b> |  |  |  |   |  |   |   |  |  |  |  |   |   |
| 14...      | 5.7  | 89   | <.06   | 167   | E.02   | E.08  | .17   | E.26   | <6   | <.12   | 24.0   | <.010   | 6.7   |
| 14...      | --   | --   | --   | --  | --   | --  | --  | --   | --   | --   | --   | --  | --  |
| <b>Feb</b> |  |  |  |   |  |   |   |  |  |  |  |   |   |
| 13...      | 6.4  | 89   | <.06   | 179   | <.04   | <.12  | .20   | E.25   | <6   | <.12   | 58.7   | E.010   | 6.8   |
| 13...      | --   | --   | --   | --  | --   | --  | --  | --   | --   | --   | --   | --  | --  |
| <b>May</b> |  |  |  |   |  |   |   |  |  |  |  |   |   |
| 23...      | 4.8  | 57   | <.06   | 122   | .07  | <.12  | .14   | 2.0  | E4   | .42  | 12.2   | E.006   | 4.5   |
| <b>Aug</b> |  |  |  |   |  |   |   |  |  |  |  |   |   |
| 28...      | 6.2  | 89   | <.06   | 157   | E.03   | <.12  | .25   | .77  | <6   | <.12   | .4   | .017  | 7.3   |
| 28...      | --   | --   | --   | --  | --   | --  | --  | --   | --   | --   | --   | --  | --  |

## 08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 5 of 9

[Remark codes: &lt;, less than; E, estimated.]

| Date       | Nickel,<br>water,<br>fltrd,<br>µg/L<br>(01065) | Selen-<br>ium,<br>water,<br>fltrd,<br>µg/L<br>(01145) | Selen-<br>ium,<br>water,<br>unfltrd<br>µg/L<br>(01147) | Silver,<br>water,<br>fltrd,<br>µg/L<br>(01075) | Zinc,<br>water,<br>fltrd,<br>µg/L<br>(01090) | Mercury<br><62.5um<br>wet svd<br>field,<br>total,<br>ug/g<br>(34910) | Selen-<br>ium,<br>bed sed<br>wet svd<br>fld,tot<br>ug/g<br>(34950) | 2,6-Di-<br>ethyl-<br>aniline<br>0.7u GF<br>µg/L<br>(82660) | Aceto-<br>chlor,<br>CIAT,<br>water,<br>fltrd,<br>µg/L<br>(04040) | Ala-<br>chlor,<br>water,<br>fltrd,<br>µg/L<br>(49260) | alpha-<br>HCH,<br>water,<br>fltrd,<br>µg/L<br>(46342) | Atra-<br>zine,<br>water,<br>fltrd,<br>µg/L<br>(34253) |
|------------|--|---|--|--|--|--|--|--|--|---|---|---|
|            |  |   |  |  |  |  |  |  |  |   |   |   |
| <b>Nov</b> |  |   |  |  |  |  |  |  |  |   |   |   |
| 14...      | .65  | .09   | .10  | <.1  | E.37   | --   | --   | <.002  | <.014  | <.006   | <.005   | <.002   |
| 14...      | --   | --  | --   | --   | --   | .02  | .1   | --   | --   | --  | --  | --  |
| <b>Feb</b> |  |   |  |  |  |  |  |  |  |   |   |   |
| 13...      | .88  | .11   | .13  | <.1  | E.37   | --   | --   | --   | --   | --  | --  | --  |
| 13...      | --   | --  | --   | --   | --   | --   | .2   | --   | --   | --  | --  | --  |
| <b>May</b> |  |   |  |  |  |  |  |  |  |   |   |   |
| 23...      | .67  | .14   | .22  | <.1  | 7.8  | --   | --   | --   | --   | --  | --  | --  |
| <b>Aug</b> |  |   |  |  |  |  |  |  |  |   |   |   |
| 28...      | 1.1  | .15   | .25  | <.1  | E.41   | --   | --   | <.002  | <.014  | <.006   | <.005   | <.002   |
| 28...      | --   | --  | --   | --   | --   | --   | --   | --   | --   | --  | --  | --  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 6 of 9

[Remark codes: &lt;, less than; E, estimated.]

| Date       | Azin-<br>phos-<br>methyl,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82686) | Ben-<br>flur-<br>alin,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82673) | Butyl-<br>ate,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(04028) | Car-<br>baryl,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82680) | Carbo-<br>furan,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82674) | Chlor-<br>pyrifos<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(38933) | cis-<br>Per-<br>methrin<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82687) | Cyana-<br>zine,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(04041) | DCPA,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82682) | Desulf-<br>inyl<br>fipro-<br>nil,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(62170) | Diazi-<br>non,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(39572) | Disul-<br>foton,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(39381) |
|------------|--|---|---|---|---|--|--|--|--|--|---|---|
|            |  |   |   |   |   |  |  |  |  |  |   |   |
| <b>Nov</b> |  |   |   |   |   |  |  |  |  |  |   |   |
| 14...      | <.080  | <.006   | <.002   | <.060   | <.020   | <.005  | <.010  | <.018  | <.003  | <.012  | <.005   | <.009   |
| 14...      | --   | --  | --  | --  | --  | --   | --   | --   | --   | --   | --  | --  |
| <b>Feb</b> |  |   |   |   |   |  |  |  |  |  |   |   |
| 13...      | --   | --  | --  | --  | --  | --   | --   | --   | --   | --   | --  | --  |
| 13...      | --   | --  | --  | --  | --  | --   | --   | --   | --   | --   | --  | --  |
| <b>May</b> |  |   |   |   |   |  |  |  |  |  |   |   |
| 23...      | --   | --  | --  | --  | --  | --   | --   | --   | --   | --   | --  | --  |
| <b>Aug</b> |  |   |   |   |   |  |  |  |  |  |   |   |
| 28...      | <.080  | <.006   | <.002   | <.060   | <.020   | <.005  | <.010  | <.018  | <.003  | <.012  | <.005   | <.009   |
| 28...      | --   | --  | --  | --  | --  | --   | --   | --   | --   | --   | --  | --  |

## 08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 7 of 9

[Remark codes: &lt;, less than; E, estimated.]

| Date       | EPTC,<br>water,<br>fltrd<br>0.7u GF | Ethal-<br>flur-<br>alin,<br>water,<br>fltrd<br>0.7u GF | Etho-<br>prop,<br>water,<br>fltrd<br>0.7u GF | Desulf-<br>inyl-<br>fipro-<br>nil<br>amide,<br>wat flt | Fipro-<br>nil<br>sulfide | Fipro-<br>nil<br>water,<br>fltrd,<br>0.7u GF | Fipro-<br>nil,<br>water,<br>fltrd,<br>0.7u GF | Fonofos         | Lindane         | Linuron         | Mala-<br>thion,<br>water,<br>fltrd,<br>0.7u GF | Methyl<br>para-<br>thion,<br>water,<br>fltrd,<br>0.7u GF | Metola-<br>chlor,<br>water,<br>fltrd,<br>0.7u GF |
|------------|-------------------------------------|--|--|--|--------------------------|--|---|-----------------|-----------------|-----------------|--|--|--|
|            | µg/L<br>(82668)                     | µg/L<br>(82663)  | µg/L<br>(82672)                              | µg/L<br>(62169)  | µg/L<br>(62167)          | µg/L<br>(62168)                              | µg/L<br>(62166)                               | µg/L<br>(04095) | µg/L<br>(39341) | µg/L<br>(82666) | µg/L<br>(39532)                                | µg/L<br>(82667)  | µg/L<br>(39415)                                  |
| <b>Nov</b> |                                     |  |  |  |                          |  |   |                 |                 |                 |  |  |  |
| 14...      | <.002                               | <.009  | <.012  | <.029  | <.013                    | <.024  | <.016   | <.006           | <.004           | <.060           | <.016  | <.008  | <.010  |
| 14...      | --                                  | --   | --   | --   | --                       | --   | --  | --              | --              | --              | --   | --   | --   |
| <b>Feb</b> |                                     |  |  |  |                          |  |   |                 |                 |                 |  |  |  |
| 13...      | --                                  | --   | --   | --   | --                       | --   | --  | --              | --              | --              | --   | --   | --   |
| 13...      | --                                  | --   | --   | --   | --                       | --   | --  | --              | --              | --              | --   | --   | --   |
| <b>May</b> |                                     |  |  |  |                          |  |   |                 |                 |                 |  |  |  |
| 23...      | --                                  | --   | --   | --   | --                       | --   | --  | --              | --              | --              | --   | --   | --   |
| <b>Aug</b> |                                     |  |  |  |                          |  |   |                 |                 |                 |  |  |  |
| 28...      | <.002                               | <.009  | <.012  | <.029  | <.013                    | <.024  | <.016   | <.006           | <.004           | <.060           | <.016  | <.008  | <.010  |
| 28...      | --                                  | --   | --   | --   | --                       | --   | --  | --              | --              | --              | --   | --   | --   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 8 of 9

[Remark codes: &lt;, less than; E, estimated.]

| Date       | Metri-<br>buzin,<br>water,<br>fltrd,<br>0.7u GF | Moli-<br>nate,<br>water,<br>fltrd<br>0.7u GF | Naprop-<br>amide,<br>water,<br>fltrd<br>0.7u GF | p,p'-<br>DDE,<br>water,<br>fltrd,<br>0.7u GF | Para-<br>thion,<br>water,<br>fltrd,<br>0.7u GF | Peb-<br>ulate,<br>water,<br>fltrd<br>0.7u GF | meth-<br>alin,<br>water,<br>fltrd<br>0.7u GF | Phorate         | Promo-<br>ton,<br>water,<br>fltrd,<br>0.7u GF | Propy-<br>zamide,<br>water,<br>fltrd<br>0.7u GF | Propa-<br>chlor,<br>water,<br>fltrd,<br>0.7u GF | Pro-<br>panil,<br>water,<br>fltrd<br>0.7u GF | Propar-<br>gite,<br>water,<br>fltrd<br>0.7u GF |                 |
|------------|---|--|---|--|--|--|--|-----------------|---|---|---|--|--|-----------------|
|            | µg/L<br>(82630)                                 | µg/L<br>(82671)                              | µg/L<br>(82684)                                 | µg/L<br>(34653)                              | µg/L<br>(39542)                                | µg/L<br>(82669)                              | µg/L<br>(82683)                              | µg/L<br>(82684) | µg/L<br>(82664)                               | µg/L<br>(04037)                                 | µg/L<br>(82676)                                 | µg/L<br>(04024)                              | µg/L<br>(82679)                                | µg/L<br>(82685) |
| <b>Nov</b> |   |  |   |  |  |  |  |                 |   |   |   |  |  |                 |
| 14...      | <.012   | <.002  | <.018   | <.003  | <.010  | <.004  | <.020  | <.020           | <.01  | <.004   | <.010   | <.011  | <.02   |                 |
| 14...      | --  | --   | --  | --   | --   | --   | --   | --              | --  | --  | --  | --   | --   |                 |
| <b>Feb</b> |   |  |   |  |  |  |  |                 |   |   |   |  |  |                 |
| 13...      | --  | --   | --  | --   | --   | --   | --   | --              | --  | --  | --  | --   | --   |                 |
| 13...      | --  | --   | --  | --   | --   | --   | --   | --              | --  | --  | --  | --   | --   |                 |
| <b>May</b> |   |  |   |  |  |  |  |                 |   |   |   |  |  |                 |
| 23...      | --  | --   | --  | --   | --   | --   | --   | --              | --  | --  | --  | --   | --   |                 |
| <b>Aug</b> |   |  |   |  |  |  |  |                 |   |   |   |  |  |                 |
| 28...      | <.012   | <.002  | <.018   | <.003  | <.010  | <.004  | <.020  | <.020           | .01   | <.004   | <.010   | <.011  | <.02   |                 |
| 28...      | --  | --   | --  | --   | --   | --   | --   | --              | --  | --  | --  | --   | --   |                 |

**08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM—Continued**

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 9 of 9

[Remark codes: &lt;, less than; E, estimated.]

| Date       | Sima-zine,<br>water,<br>fltrd,<br>μg/L<br>(04035) | Tebu-thiuron<br>water,<br>fltrd<br>0.7u GF<br>(82670) | Terba-cil,<br>water,<br>fltrd<br>0.7u GF<br>(82665) | Terbu-fos,<br>water,<br>fltrd<br>0.7u GF<br>(82675) | Thio-bencarb<br>water,<br>fltrd<br>0.7u GF<br>(82681) | Tri-allate,<br>water,<br>fltrd<br>0.7u GF<br>(82678) | Tri-flur-alin,<br>water,<br>fltrd<br>0.7u GF<br>(82661) | Uranium<br>natural<br>water,<br>fltrd,<br>μg/L<br>(22703) | Suspnd.<br>sediment,<br>sieve<br>percent<br><.063mm<br>(70331) | Sus-pended<br>sediment<br>concentra-tion<br>mg/L<br>(80154) |
|------------|---|---|---|---|---|--|---|---|--|---|
| <b>Nov</b> |   |   |   |   |   |  |   |   |  |   |
| 14...      | <.006   | <.02  | <.040   | <.01  | <.010   | <.006  | <.006   | 1.33  | 74   | 61  |
| 14...      | --  | --  | --  | --  | --  | --   | --  | --  | --   | --  |
| <b>Feb</b> |   |   |   |   |   |  |   |   |  |   |
| 13...      | --  | --  | --  | --  | --  | --   | --  | 1.34  | 65   | 80  |
| 13...      | --  | --  | --  | --  | --  | --   | --  | --  | --   | --  |
| <b>May</b> |   |   |   |   |   |  |   |   |  |   |
| 23...      | --  | --  | --  | --  | --  | --   | --  | 1.11  | 74   | 230   |
| <b>Aug</b> |   |   |   |   |   |  |   |   |  |   |
| 28...      | <.006   | <.02  | <.040   | <.01  | <.010   | <.006  | <.006   | 2.13  | 97   | 706   |
| 28...      | --  | --  | --  | --  | --  | --   | --  | --  | --   | --  |