

Water Resources Data New Mexico Water Year 2005

By Lynn Miller, and Jessica Stiles

Water-Data Report NM-05-1

Prepared in cooperation with the State of New Mexico and other agencies

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PREFACE

This annual hydrologic data report of New Mexico is one of a series of annual reports that documents hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by Federal, State, and local agencies and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey of the New Mexico Water Science Center who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. The authors had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to U.S. Geological Survey policies and guidelines.

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Water-resources data for the 2005 water year for New Mexico consist of records of discharge and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality in wells and springs. This report contains discharge records for 182 gaging stations; stage and contents for 22 lakes and reservoirs; water quality for 45 gaging stations, 110 wells, and 3 partial-record stations and miscellaneous sites; and water levels at 109 observation wells. Also included are 85 crest-stage, partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program and are published as miscellaneous measurements. Two seepage investigations were made during the year. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating Federal, State, and local agencies in New Mexico.

*New Mexico, *Hydrologic data, *Surface water, *Water quality, Lakes, Reservoirs, Sediments, Water levels, Flow rates, Gaging stations, Chemical analyses, Water analyses, Water temperature, Sampling sites
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[Letters after station names designate type of data: (d) discharge, (c) chemical, (b) biological, (m) microbiological, (r) radiochemical, (s) sediment, (t) daily water temperature and conductance, (e) elevation, (v) contents]

Station
number Page

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER:

ARKANSAS RIVER BASIN

ARKANSAS RIVER:

CANADIAN RIVER:

CHICORICA CREEK:

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WESTERN GULF OF MEXICO BASINS

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COLORADO RIVER:

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DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

The following continuous-record surface-water discharge stations (gaging stations) in New Mexico have been discontinued. Daily streamflow records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as crest-stage partial-record stations. Information regarding these stations may be obtained from the Water Science Center at the address given on the back side of the title page of this report.

Station name	Station number	Drainage area (mi ²)	Period of record
ARKANSAS RIVER BASIN			
Cimarron River at Springer, NM	07211000	1,032	1907-09, 1921-22, 1924-2004
Bennett Spring near Capulin, NM	07153410	--	1977-81
Dry Cimarron River near Guy, NM	07153500	545	1942-73
Dry Cimarron River near Folsom, NM	07154000	895	1927-33
Canadian River near Hebron, NM	07199000	229	1946-86
Chicorica Creek below Lake Maloya, NM	07199500	26	1945-51
Chicorica Creek near Yankee, NM	07199600	32.5	1975-79, 1984-87
East Fork Chicorica Creek near Yankee, NM	07199650	23.9	1984-87
Vermejo River at Vermejo Park, NM	07202400	36.7	1985-93
Vermejo River near Maxwell, NM	07203525	486	1983-94
Chicorica Creek below East Fork near Raton, NM	07200000	71	1945-51
Chicorica Creek near Raton, NM	07200500	87	1910-14, 1984-87
Una de Gato Creek near Raton, NM	07201400	80	1910
Una de Gato Creek below Throttle Dam near Raton, NM	07201420	49.5	1975-83
Una de Gato Creek near Hebron, NM	07201500	224	1946-50
Chicorica Creek near Hebron, NM	07202000	381	1945-52, 1983-87
Vermejo River near Colfax, NM	07203500	--	1945-50
McEvoy Creek near Eagle Nest, NM	07206200	1.95	1961-68
Tolby Creek near Eagle Nest, NM	07206300	8.5	1961-68
Clear Creek near Ute Park, NM	07206400*	7.44	1961-68
Cimarron Creek at Ute Park, NM	07206500	260	1907-50
Rayado Creek below Abreu's Ranch, near Cimarron, NM	07209000	75	1912-13
Rayado Creek near Miami, NM	07209500	76	1939-55
Rayado Creek near Springer, NM	07210000	--	1907-09
Uracca Creek near Cimarron, NM	07210500	6.3	1912-15
East Fork Ocate Creek at Ocate, NM	07212000	35	1914-28
Ocate Creek near Ocate, NM	07212500	--	1914
Colmor intake canal near Ocate, NM	07213000	--	1933-51
Sweetwater Creek near Colmor, NM	07213500	--	1914

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
ARKANSAS RIVER BASIN--Continued			
Canadian River near Roy, NM	07214000	4,066	1936-65
Mora River near Holman, NM	07214500	57	1953-74
Vigil Canyon near Holman, NM	07214600	2.8	1956-63
Agua Fria Creek near Holman, NM	07214700	9.2	1956-63
Rio la Casa near Cleveland, NM	07214800	23	1956-70
La Cueva Canal at La Cueva, NM	07215000	--	1906-11
Cebolla River near Golondrinas, NM	07215600	64	1956-63
Mora River at Weber, NM	07216000	--	1903-04
Coyote Creek below Black Lake, NM	07217000	48	1952-63
Coyote Creek above Guadalupita, NM	07217100	71	1956-74
Coyote Creek at Guadalupita, NM	07217500	90	1920-23
Mora River near Watrous, NM	07218100	521	1956-63
Sapello River at Sapello, NM	07218500	--	1903-04
Sapello Canal at Sapello, NM	07218600	--	1956-70
Manuelitas Creek near Rociada, NM	07218700	52	1956-63
Sapello River at Sapello, NM	07220000	132	1915-21
Lake Isabel feeder canal near Sapello, NM	07220100	--	1956-75
Sapello River at Los Alamos, NM	07220500	144	1905-11
Sapello River near Watrous, NM	07220600	213	1956-63
Mora River near Shoemaker, NM	07221000	1,104	1912-14, 1935-96
Canadian River near Bell Ranch, NM	07222000	6,200	1915-17, 1927-39
Bell Ranch Canal below Conchas Dam, NM	07223000	--	1942-84
Conchas Canal below Conchas Dam, NM	07223300	--	1961-82, 1984-92
Canadian River below Conchas Dam, NM	07224500	7,417	1936-38, 1942-72
Conchas River at Variadero, NM	07225000*	523	1936-96
Pajarito Creek near Hanley, NM	07225100	310	1911-12
Pajarito Creek near Vigil Creek, near Hanley, NM	07225200	350	1912-13
Ute Creek near Bueyeros, NM	07226000	620	1949-54
Canadian River above New Mexico-Texas State line	07227140	2,616	1969-73
Tramperos Creek near Stead, NM	07227200*	556	1966-73
BRAZOS RIVER BASIN			
Running Water Draw near Clovis, NM	08080600*	109	1956-64

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN			
Latir Creek Outflow Lake #2 near Amalia, NM	08254425	--	1986-88
Costilla Creek near Amalia, NM	08254500	152	1949-59, 1961-81
Ute Creek near Amalia, NM	08255000	12	1949-59
Acequia Madre at Costilla, NM	08256000	--	1944-92
Mesa ditch near Garcia, CO	08256500	--	1944-65, 1969-83
Middle ditch at Garcia, CO	08257000	--	1944-56
Cerro Canal at Costilla, NM	08258000	--	1944-92
Association ditch at Costilla, NM	08258500	--	1955-71
Cerro Canal below Association ditch at Costilla, NM	08258600	--	1972-92
Cerro Canal near Jaroso, CO	08259000	--	1944-72
Cerro Canal at State line near Jaroso, CO	08259600	--	1973-92
Penasquito ditch at Costilla, NM	08260000	--	1955-61
Costilla Creek below diversion dam, at Costilla, NM	08260500	197	1952-86
Alire ditch at Garcia, CO	08261500	--	1944-59
Costilla Creek near Jaroso, CO (near mouth, NM)	08262500	290	1912-13, 1948-61
Latir Creek near Cerro, NM	08263000	10	1937-70
Red River near Red River, NM	08264000	19.1	1940-64
Red River below Zwergle damsite, near Red River, NM	08264500	25.7	1963-73
Cabresto Creek near Questa, NM	08266000	36.7	1943-96
Red River below Questa, NM	08266500	180	1910-22
Red River at mouth, near Questa, NM	08267000	190	1950-78
Rio Hondo at Valdez, NM	08268000	38	1916-34
Rio Hondo at damsite at Valdez, NM	08268200	40.3	1963-66
Arroyo Hondo at Arroyo Hondo, NM	08268500	65.6	1912-28, 1932-85
Rio Grande near Arroyo Hondo, NM	08268700	8,760	1963-96, 2002-2004
Acequia Madre at Taos, NM	08269500	--	1940-41
North channel of Rio Pueblo de Taos at Taos, NM	08270000	80	1936-41
Rio Pueblo de Taos at Taos, NM	08270500	80	1936-41
Tenorio ditch near Arroyo Seco, NM	08271500	--	1935-50
Rio Lucero diversions near Arroyo Seco, NM	08272000	--	1932-33
Indian ditch near Arroyo Seco, NM	08272500	--	1934-50
Seco ditch near Arroyo Seco, NM	08273000	--	1934-50
Juan Manuel ditch near Arroyo Seco, NM	08273500	--	1935-50

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Prado ditch near Arroyo Seco, NM	08274000	--	1934-50
Rio Lucero below diversions, near Arroyo Seco, NM	08274500	25	1934-41
Rio Fernando de Taos near Taos, NM	08275000	71.7	1912-17, 1927-28, 1962-80
Rio Pueblo de Taos near Ranchito, NM	08275300	199	1957-80
Rio Chiquito near Talpa, NM	08275600	37.0	1957-80
Rio Pueblo de Taos at Los Cordovas, NM	08276000	359	1910-65
Carson Reservoir near Carson, NM	08277000	190	1940-60
Picuris ditch near Penasco, NM	08277500	--	1936-41
Pueblo Creek near Penasco, NM	08278000	--	1936-41
Rio Santa Barbara near Penasco, NM	08278500	38	1991-2004
Alcalde ditch at Chamita, NM	08280000	--	1936-41
San Rafael ditch at Alcalde, NM	08280500	--	1936-41
Acequia Madre at Alcalde, NM	08281000	--	1936-41
Rio Grande above San Juan Pueblo, NM	08281100	10,550	1963-87
Rio Chama near Chama, NM	08281500	--	1912-16
Rio Brazos near Brazos, NM	08282000	--	1913-17
Chavez Creek near Brazos, NM	08282500	--	1914-15
Rio Brazos at Brazos, NM	08283000	--	1912-13
Rio Chama at Park View, NM	08283500	405	1912-15, 1916, 1924-55
Rito de Tierra Amarilla at Tierra Amarilla, NM	08284000	49.7	1914-15
Willow Creek near Park View, NM	08284500	193	1936-71
Rio Nutrias near Cebolla, NM	08286000	--	1914-15
Canjilon Creek near Canjilon, NM	08286600	--	1911-12, 1913
Rio Chama at Abiquiu, NM	08287100	--	1895-97
Rio Chama near Abiquiu, NM	08287500	2,284	1941-67
El Rito Creek near El Rito, NM	08288000	50.5	1931-51
Rio Vallecitos at Vallecitos, NM	08288500	--	1911-14
Santa Clara ditch near Espanola, NM	08290500	--	1936-41
Santa Cruz River at Riverside, NM	08291500	188	1942-51
Santa Clara Creek near Espanola, NM	08292000	34.5	1936-41, 1949-50, 1984-94
Hill Acequia at head, near Espanola, NM	08292500	--	1940-41

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Hill Acequia near Espanola, NM	08293000	--	1940
Guachupangue ditch near Espanola, NM	08293500	--	1936-41
San Ildefonso ditch near Espanola, NM	08294000	--	1940-41
Rio Nambe at Nambe Falls, near Nambe, NM	08294300	25.1	1963-78
Nambe Canal near Nambe, NM	08294500	--	1932-51
Rio Nambe near Nambe, NM	08295000	38.2	1932-51
Rio En Medio near Santa Fe, NM	08295200	0.63	1963-73
Llano Frio ditch near Nambe, NM	08295500	--	1936-50
Llano ditch near Nambe, NM	08296000	--	1936-50
Moises Pena ditch near Nambe, NM	08296500	--	1936-38
Mocha ditch at Nambe, NM	08297000	--	1936-50
Comunidad ditch at Nambe, NM	08297500	--	1936-50
Ortiz ditch at Nambe, NM	08298000	--	1936-50
Canyon ditch near Nambe, NM	08298500	--	1936-50
Acequia Rincon near Nambe, NM	08299000	--	1936-50
Las Joyas ditch near Nambe, NM	08299500	--	1936-50
Trujillo ditch near Nambe, NM	08300000	--	1936-45
Barranco Alto ditch near Nambe, NM	08300500	--	1936-50
Pojoaque River at Pojoaque Bridge, near Nambe, NM	08301000	--	1936-41
Jacona ditch near Nambe, NM	08301500	--	1936-39
Jacona ditch near San Ildefonso, NM	08302000	--	1940-48
North Fork Tesuque Creek near Santa Fe, NM	08302200	1.60	1962-73
Middle Fork Tesuque Creek near Santa Fe, NM	08302300	0.43	1961-73
South Fork Tesuque Creek near Santa Fe, NM	08302400	0.47	1962-73
Tesuque Creek above diversions near Santa Fe, NM	08302500	11.7	1936-52
Cajon Grande ditch near Santa Fe, NM	08303000	--	1936-41
De La Cruz ditch near Santa Fe, NM	08303500	--	1936-41
Acequia Madre near Santa Fe, NM	08304000	--	1936-41
Acequia Madre at head, near Santa Fe, NM	08304050	--	1936-41
Little Tesuque Creek near Santa Fe, NM	08304100	0.64	1962-73
Little Tesuque Creek tributary No. 4 near Santa Fe, NM	08304200	0.69	1964-73
Little Tesuque Creek tributary No. 3 near Santa Fe, NM	08304300	0.65	1963-73
Little Tesuque Creek tributary No. 2 near Santa Fe, NM	08304400	0.45	1962-73
Little Tesuque Creek near Santa Fe, NM	08305000	7.06	1936-41
Rio Tesuque at Tesuque, near Santa Fe, NM	08305500	--	1938-41
Acequia Medio near Santa Fe, NM	08306000	--	1936-46

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Acequia Medio at waste, near Santa Fe, NM	08306500	--	1936-38
Hubbard ditch near Santa Fe, NM	08307500	--	1938-41
Mitchell ditch near Santa Fe, NM	08308000	--	1936-51
Rio Tesuque at Grant Boundary at Tesuque, NM	08308025	12	1998-99
Post ditch near Tesuque Pueblo, NM	08308500	--	1936-41
Qwiyo ditch near Tesuque Pueblo, NM	08309000	--	1936-41
Corral ditch near Tesuque Pueblo, NM	08309500	--	1936-41
Acequia Indios near San Ildefonso, NM	08310000	--	1936-41
Acequia de la Otra Banda near San Ildefonso, NM	08310500	--	1936-41
El Rancho ditch near San Ildefonso, NM	08311000	--	1936-41
San Antonio ditch near San Ildefonso, NM	08311500	--	1936-41
Well ditch at San Ildefonso, NM	08312000	--	1937, 1938-51
Ortiz ditch at San Ildefonso, NM	08312500	--	1936-41
Pojoaque River near San Ildefonso Pueblo, NM	08312600	184	1972-79
Los Alamos Canyon near Los Alamos, NM	08313042	9.1	1970-71, 1991-95
Rio Grande near White Rock, NM	08313268	--	2000-03
Rito de los Frijoles near Los Alamos, NM	08313300	8.9	1959-63
Rito de los Frijoles in Bandelier National Monument, NM	08313350*	18.1	1963-69, 1977-82, 1983-96
Rio Grande at Cochiti, NM	08314500	14,600	1924-70
Santa Fe River at Monument Rock, near Santa Fe, NM	08315000	14	1910
Santa Fe River below Nichols Reservoir near Santa Fe, NM	08316505	--	1998-99
Santa Fe River above St. Francis Dr. at Santa Fe, NM	08316530	--	1998-99
Santa Fe River at Ricardo Road at Santa Fe, NM	08316535	--	1998-99
Arroyo Hondo near Santa Fe, NM	08317050	--	2000-03
Santa Fe River above Cochiti Lake, NM	08317200	232	1970-99
Galisteo Creek above Galisteo Reservoir, NM	08317850	567	1970-76
Galisteo Creek at Domingo, NM	08318000	640	1941-71
San Felipe east side acequia near Domingo, NM	08318500	--	1936-41
Rito San Antonio near Los Alamos, NM	08319500	--	1949-50
Redondo Creek near Jemez Springs, NM	08319945	12.1	1982-85
Sulfur Creek near Jemez Springs, NM	08319950	38.0	1982-85
Jemez River near Jemez Springs, NM	08320000	--	1949-50
East Fork Jemez River near Los Alamos, NM	08320500	--	1949-50

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
East Fork Jemez River near Jemez Springs, NM	08321000	--	1949-50
Jemez River below East Fork, near Jemez Springs, NM	08321500	173	1951-90
Rio de las Vacas near Cuba, NM	08322000	--	1939-41
Rio Cebolla near Jemez Springs, NM	08322500	--	1939
Rio Guadalupe at Box Canyon near Jemez, NM	08323000	235	1938-42
Rio Guadalupe near Jemez Springs, NM	08323500	230	1938-42, 1949-50
Jemez east side ditch near Jemez, NM	08324500	--	1936-41
Jemez west side ditch near Jemez, NM	08325000	--	1936-41
Antonio Pecos ditch near Jemez, NM	08325500	--	1936-41
San Ysidro ditch near San Ysidro, NM	08326000	--	1936-41
Jemez River at San Ysidro, NM	08326500	854	1937-41
Zia ditch near San Ysidro, NM	08327000	--	1936-41
Zia Reservoir near San Ysidro, NM	08327500	2.4	1954-60
Jemez River above Jemez Canyon Dam, NM	08328000	961	1953-58
Piedra Lisa Arroyo near Bernalillo, NM	08329100	4.1	1955-74
Rio Grande near Bernalillo, NM	08329500	17,300	1941-69
Campus Wash at Albuquerque, NM	08329700	3.80	1982-96, 1996-2003
Embudo Arroyo at Albuquerque, NM	08329720	3.80	1998-2003
North Floodway Channel at Albuquerque, NM	08329835	40.0	1982-99, 1999-2003
North Fork Hahn Arroyo at Albuquerque, NM	08329839	1.51	1979-83, 1992-96, 1996-2003
Grant Line Arroyo at Villa del Oso at Albuquerque, NM#	08329860	0.052	1976-98
Grant Line Arroyo at Albuquerque, NM	08329865	0.052	1987-91
Pino Arroyo at Ventura Blvd. at Albuquerque, NM	08329872	5.40	1990-2000
Hoffmantown Church Outlet No. 1 at Albuquerque, NM	08329873	0.859	1990-97
Hoffmantown Church Outlet No. 2 at Albuquerque, NM	08329874	0.413	1990-97
Cherry Hills Arroyo No. 1 at Albuquerque, NM	08329875	0.147	1990-97
Cherry Hills Arroyo No. 2 at Albuquerque, NM	08329876	0.796	1990-97
Pino Arroyo at Wyoming Blvd. at Albuquerque, NM	08329877	5.80	1990-97
Academy Acres Drain at Albuquerque, NM	08329880	0.124	1976-2003
Taylor Ranch Drain at Albuquerque, NM	08329936	0.132	1978-98
Rio Grande near Alameda, NM	08329928	17,263	1989-95
Corrales Riverside Drain near Corrales, NM	08329930	--	1996-99
Corrales Main Canal outflow at Albuquerque, NM	08329931	--	1996-99

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Rio Grande at Rio Bravo Bridge near Albuquerque, NM	08330150	17,500	1991-95
Tijeras Arroyo at Albuquerque, NM	08330500*	75.3	1921-22, 1943-49
Tijeras Arroyo above Four Hills Bridge at Albuquerque, NM	08330505	77.0	1989-91
Tijeras Arroyo at Kirtland Air Force Base, NM	08330560	80.6	1987-88
Arroyo del Coyote near Albuquerque, NM	08330565	35	1989-95
Arroyo del Coyote at mouth near Albuquerque, NM	08330567	39	1989-95
Tijeras Arroyo below Arroyo del Coyote near Albuquerque, NM	08330569	121	1989-95
Tijeras Arroyo at Montessa Park near Albuquerque, NM	08330580	122	1987-95
Tijeras Arroyo below South Diversion Channel inlet near Albuquerque, NM	08330800	--	1974-88
Albuquerque Riverside Drain near Isleta, NM	08330915	--	1997-99
Atrisco Riverside Drain at Isleta, NM	08330940	--	1997-99
Rio Grande near Isleta, NM	08331000	17,900	1925-29, 1936-38
Barr/Chical diversion at Isleta, NM	08331105	--	1997-99
North Pajarito Arroyo at PL at Albuquerque, NM	08331130	0.58	1979-87
North Pajarito Arroyo at GB at Albuquerque, NM	08331140	0.81	1979-83
Rio Grande near Belen, NM	08331500	18,230	1941-57
Abo Arroyo near Blue Springs, NM	08331660	242	1996-2000
Rio Grande Conveyance Channel near Bernardo, NM	08331990	--	1936-37, 1964-2004
Rio Grande near Bernardo, NM	08332000	19,230	1936-39, 1941-64
Rio Grande Floodway near Bernardo, NM	08332010	19,230	1936-39, 1941-2004
Lower San Juan Riverside drain near Bernardo, NM	08332030	--	1954-75
Bernardo Interior drain near Bernardo, NM	08332050	--	1936-37, 1943-2004
La Jara Creek near La Jara, NM	08332500	--	1932-33
Rio Puerco near Cabezon, NM	08333000	360	1943-51
Rio Puerco at Cabezon, NM	08333500	397	1944-51
Papers Wash near Star Lake Trading Post, NM	08334300	20.3	1978-82
Arroyo Chico near Guadalupe, NM	08340500	1,390	1943-86
Rio Puerco near Guadalupe, NM	08341000	1,860	1943
Bluewater Creek above Bluewater Dam, near Bluewater, NM	08341300	75.0	1953-78, 1989-2001
Cottonwood Creek near Thoreau, NM	08341365	77.0	1989-2001

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Bluewater Creek below Bluewater Dam, NM	08341500	201	1951-60, 1989-2001
Bluewater Creek near Bluewater, NM	08342000	209	1912-19, 1927-72
San Mateo Creek near San Mateo, NM	08342600	75.6	1977-82
Arroyo del Puerto near San Mateo, NM	08342700	96.8	1980-82
Rio San Jose at Grants, NM	08343000	1,020	1949-66, 1968-2004
Rio San Jose near Grants, NM	08343500	2,300	1936-2004
Grants Canyon at Grants, NM	08343100	13	1961-95
McCarty's south side ditch near San Fidel, NM	08344000	--	1940-42, 1950-51
McCarty's north side ditch near San Fidel, NM	08344500	--	1940-42, 1950-51
Acomita Reservoir outlet near San Fidel, NM	08345000	--	1938-41
Rio San Jose near San Fidel, NM	08345500	2,310	1936-42, 1950-51
Seama-Paraje ditch near Casa Blanca, NM	08346000	--	1937-41
Casa Blanca ditch at Casa Blanca, NM	08346500	--	1937-41
New Laguna ditch wasteway near Casa Blanca, NM	08347000	--	1937-41
New Laguna ditch near New Laguna, NM	08347500	--	1937-41
Rio San Jose near Casa Blanca, NM	08348000	--	1936-41
Encinal Creek near Casa Blanca, NM	08348500	6.19	1937-39
Laguna ditch at New Laguna, NM	08349000	--	1936-41
Paguete Creek near Laguna, NM	08349500	--	1937-41
Rio Paguate below Jackpile Mine near Laguna, NM	08349800	107	1976-93
Paguete Reservoir outlet near Laguna, NM	08350000	--	1940-41
Rio San Jose near Laguna, NM	08350500	3,040	1937-41, 1973-76
Mesita ditch near Laguna, NM	08351000	--	1936-41
Rio San Jose at Correo, NM	08351500	3,660	1943-94
Rio Puerco at Rio Puerco, NM	08352500	6,590	1909-12, 1934-76
Alamo Creek near Alamo, NM	08353130	22.4	1983-85
Rio Salado near Alamo, NM	08353150	540	1983-85
Rio Salado near San Acacia, NM	08354000	1,380	1947-84
Socorro Main Canal North at San Acacia, NM	08354500	--	1936-64, 1964-2003
Rio Grande Conveyance Channel at San Acacia, NM	08354800	--	1958-2004

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Rio Grande at San Acacia, NM	08355000	26,770	1936-64
Nogal Arroyo Floodway near Socorro, NM	08355200	--	1969-77
Arroyo de la Matanza near Socorro, NM	08355300	46.0	1969-77
Rio Grande at San Antonio, NM	08355500	27,400	1951-57
Socorro Main Canal South near San Antonio, NM	08356000	--	1937-38, 1948-71
San Antonio Riverside Drain near San Antonio, NM	08356500	--	1948-71
Elmendorf Interior Drain near San Antonio, NM	08357000	--	1936-38, 1948-71
San Antonio Riverside Drain near San Marcial, NM	08357500	--	1948-71
Rio Grande Conveyance Channel below heading, near San Marcial, NM	08358000	--	1953-57
Rio Grande at San Marcial, NM	08358500	27,700	1895-1964
Milligan Gulch near San Marcial, NM	08358550	413	1968-78
Rio Grande Conveyance Channel at mouth of Nogal Canyon, near Truth or Consequences, NM	08359000	--	1953-57
Rio Grande at the narrows, in Elephant Butte Reservoir, NM	08359500	28,500	1951-57
Alamosa Creek near Monticello, NM	08360000*	403	1931-42
Las Cruces Arroyo near Las Cruces, NM	08363600	13.5	1958-66
Tortugas Arroyo near Las Cruces, NM	08363700	20.7	1962-74
Rio Grande at Vinton Bridge near Anthony, TX	08363840	28,680	1970-74
Pecos River near Cowles, NM	08378000	189	1910-19
Pecos River near San Jose, NM	08379000	539	1939-40
Tecolote Creek below Wright Canyon near El Porvenir, NM	08379187	5.42	1987-92
Tecolote Creek near San Pablo, NM	08379200	83	1960-65
South Fork Gallinas Creek near El Porvenir, NM	08380000	25	1911-20
Gallinas Creek at Montezuma, NM	08381000	87	1903, 1904-66
Storrie feeder canal near Las Vegas, NM	08381500	--	1949-52
Gallinas River near Lourdes, NM	08382000	313	1951-63
Pecos River near Fort Sumner, NM	08385500	5,300	1904-05, 1905-10, 1912-13, 1994-2003
Pecos River below Fort Sumner, NM	08385520	5,600	1957-58, 1962-70
Pecos River below Yeso Arroyo, near Fort Sumner, NM	08385620	7,000	1965-68
Pecos River above Huggins Creek, near Roswell, NM	08385640	7,800	1965-68
Pecos River below Sixmile Draw near Roswell, NM	08385643	--	2001-03

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Pecos River above Acme, NM	08385648	--	1992-2000
F. Herrera ditch S. at Hollywood, NM	08386900	--	1960-68, 1970-83
Rio Ruidoso near Glencoe, NM	08387500	--	1910-11
Eagle Creek near Alto, NM	08387800	15.7	1969-80
Rio Ruidoso at Hondo, NM	08388000	290	1930-55
Rio Bonito at Angus, NM	08388500	45.5	1930-31
Rio Bonito near Lincoln, NM	08389055	--	1999-2002
Rio Bonito at Hondo, NM	08389500	295	1930-55
Rio Hondo at Hondo, NM	08390000	1,000	1930-31
Rio Hondo at Picacho, NM	08390100	715	1908-09, 1956-62
Rio Hondo at Hondo Reservoir site, near Roswell, NM	08392500	970	1903-05
Rio Hondo below reservoir outlet, near Roswell, NM	08393000	--	1908
Taylor-Moore ditch near Roswell, NM	08393100	--	1905
Rocky Arroyo above Two Rivers Reservoir near Roswell, NM	08393200	31	1963-80
Rocky Arroyo below Rocky Dam, near Roswell, NM	08393300	65	1963-80
Rio Hondo at Roswell, NM	08393500	--	1903-06, 1981-97
North Spring River at Roswell, NM	08393600	19.5	1958-77
Pecos River near Roswell, NM	08394000	--	1903-06
Pecos River near Hagerman, NM	08394100	13,360	1968-90
Rio Felix at old highway bridge near Hagerman, NM	08394500	932	1939-87
Rio Felix near Hagerman, NM	08395000	934	1932-39
Cottonwood Creek near Lake Arthur, NM	08396000	199	1932-65
Rio Penasco at Elk, NM	08397450	--	1910-11
Rio Penasco near Elk, NM	08397500	--	1911
Rio Penasco near Dunken, NM	08397600	583	1956-62
Pecos River below McMillan Dam, NM	08401000	16,990	1906-09, 1910-11, 1939-40, 1946-88
Pecos River above Seven Rivers near Lakewood, NM	08401100	17,000	1974-87
Pecos River below Avalon Dam, NM	08404500	--	1940
Pecos River at Carlsbad, NM	08405000	18,100	1903-08, 1914-15, 1920-69
Rattlesnake Springs near Whites City, NM	08405300	--	1961-62
Rattlesnake Springs East near Whites City, NM	08405301	--	2003-2004

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN--Continued			
Rattlesnake Springs North near Whites City, NM	08405303	--	2003-2004
Black River at Malaga, NM	08406000	360	1939-40
Red Bluff Reservoir near Orla, TX	08410000	20,720	1937-2003
Pecos River near Orla, TX	08412500	21,210	1937-2003
Pecos River near Barstow, TX	08418010	--	1999-2003
MIMBRES RIVER BASIN			
Mimbres River at McKnight dam site, near Mimbres, NM	08476300	97.3	1963-72
Bear Canyon near Mimbres, NM	08476500	14.5	1937-55
Mimbres River near Mimbres, NM	08477000	152	1921-76
Mimbres River near Faywood, NM	08477500	440	1909-11, 1912-14, 1916-17, 1920-21, 1927-55, 1963-68
Mimbres River near Spalding, NM	08477530	472	1963-68
San Vicente Arroyo at Silver City, NM	08477600	26.5	1953-65
TULAROSA VALLEY BASIN			
Rio de Arena near Hurley, NM	08477700	16	1913-14
Stevens Creek near Fort Bayard, NM	08478004	--	1907-12, 1912-14
Cameron Creek at Fort Bayard, NM	08478008	--	1911-13
Cameron Creek near Hurley, NM	08478012	46	1913-14
Whitewater Creek at Hurley, NM	08478016	35	1913-14
Wamel Canal at head, near Deming, NM	08478300	--	1963-68
Mimbres River below Wamel heading near Deming, NM	08478400	1,101	1963-68
Three Rivers near Three Rivers, NM	08480600	6.9	1956-58
Indian Creek near Three Rivers, NM	08480700*	6.8	1956-58
Indian Creek flume near Three Rivers, NM	08480800	--	1956-58
Indian Creek at mouth, near Three Rivers, NM	08480900	10.9	1956-58
Rio Tularosa at Mescalero, NM	08481300	--	1910-11
Tularosa Creek near Bent, NM	08481500	120	1947-96
Rio Tularosa near Tularosa, NM	08482000	--	1938-47
Rio La Luz near La Luz, NM	08483000	30	1911-12
Rio Fresnal near Mountain Park, NM	08484000	44	1911-12
Rio La Luz at La Luz, NM	08484500	74	1910-13
Alamogordo-La Luz ditch at La Luz, NM	08485000	--	1934-49

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
TULAROSA VALLEY BASIN--Continued			
Alamo Creek at Woods Ranch, near Alamogordo, NM	08485500	--	1931-37
Alamogordo water supply near Alamogordo, NM	08486000	--	1932-51
Tularosa Valley tributary near White Sands, NM	08486250	17.2	1965-74
Tularosa Valley tributary at White Sands, NM	08486260	21.0	1965-74
SALT CREEK BASIN			
Sacramento River near Sunspot, NM	08492900	12.8	1984-89
SAN JUAN BASIN			
San Juan River at Rosa, NM	09350500	1,990	1895-99, 1910-65
Los Pinos River at Ignacio, CO	09354000	--	1910-61
Martinez ditch near Archuleta, NM	09355200	--	1955-57
Citizens ditch near Turley, NM	09356000	--	1938, 1951-58
San Juan River near Blanco, NM	09356500	3,560	1907-09, 1910, 1927-55
Canon Largo near Blanco, NM	09356565	1,700	1977-81
San Juan River at Bloomfield, NM	09357000	5,410	1909, 1910-11, 1927-31, 1955-63
San Juan River at Hammond Bridge near Bloomfield, NM	09357100	5,540	1978-81
Gallegos Canyon near Farmington, NM	09357250	290	1978-81
Animas River at Aztec, NM	09364000	1,270	1904, 1907-15
La Plata River near Farmington, NM	09367500	583	1938-2002
Shumway Arroyo near Fruitland, NM	09367555	62.8	1975-82
Chaco Wash near Star Lake Trading Post, NM	09367660	59.0	1978-82
Chaco Wash at east boundary at Chaco Canyon National Monument, NM	09367676	364	1980-82
Fajada Wash at Chaco Canyon National Monument, NM	09367678	199	1980-83
Gallo Wash at Chaco National Monument, NM	09367682	36.2	1978-81
Chaco Wash near Pueblo Bonito at bridge at Chaco Canyon National Monument, NM	09367683	619	1980-83
Ah-shi-sle-pah Wash near Kimbeto, NM	09367685	8.21	1977-84
Kim-me-ni-oli Wash near Crownpoint, NM	09367687	228	1982-83
Kim-me-ni-oli Wash near Lake Valley, NM	09367689	400	1982-83
De-na-zin Wash near Bisti Trading Post, NM	09367710	184	1975-82

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Period of record
SAN JUAN BASIN--Continued			
Chaco Wash at Chaco Culture National Monument, NM	09367800	578	1976-90
Black Springs Wash near Mexican Springs, NM	09367900*	7.05	1953-78, 1979-82
Hunter Wash at Bisti Trading Post, NM	09367930	45.6	1975-82
Teec-ni-di-tso Wash near Burnham, NM	09367934	7.2	1978-82
Burnham Wash near Burnham, NM	09367936	8.6	1978-82
Chaco River near Burnham, NM	09367938	3,640	1978-82
Chaco River near Waterflow, NM	09367950	4,350	1975-94
LITTLE COLORADO RIVER BASIN			
Largo Creek near Mangas, NM	09386050	63	1959-66
Zuni River at Black Rock, NM	09387000	828	1910-30
Zuni River at New Mexico-Arizona State line	09387300	1,314	1985-87, 1987-89, 1990-94
Puerco River near Church Rock, NM	09395350	193	1978-82, 1989-91
Puerco River at Gallup, NM	09395500	558	1940-46, 1977-82
Puerco River near Manuelito, NM	09395630	990	1989-93
Whitewater Arroyo near Cheechilgeetho, NM	09395700	78.5	1964-67
GILA RIVER BASIN			
Gila River near Silver City, NM	09430000	1,600	1912-19
Sapello Creek below Lake Roberts, near Silver City, NM	09430150	78	1964-71
Gila River near Cliff, NM	09431000	2,435	1942-51
Trout Creek near Luna, NM	09442653	27.1	1968-86
Tularosa River above Aragon, NM	09442692	94	1966-96
San Francisco River near Alma, NM	09443000	1,546	1904-07, 1909-10, 1912-14, 1964-86
Whitewater Creek near Mogollon, NM	09443500	34	1909-23

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations prior to the 2004 water year. Records of (c) chemical, (b) biological, (m) microbiological, (s) sediment, or (t) daily water temperature were collected and published for the record, expressed in water years, shown for each station.

An inventory of chemical data analyzed prior to 1962 can be found in U.S. Geological Survey Water-Supply Paper 1786, "Inventory of Published and Unpublished Chemical Analyses of Surface Water in the Continental United States and Puerto Rico, 1961."

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Dry Cimarron River near Guy, NM	07153500	545	c,s,t	1964-74
Canadian River near Hebron, NM	07199000	229	c	1966-81
Chicorica Creek near Yankee, NM	07199600	32.5		1975-79
Una de Gato Creek below Throttle Dam near Raton, NM	07201420	49.5	c,s	1975-84
Chicorica Creek near Hebron, NM	07202000	381	c	1975-81
Eagle Tail ditch near Maxwell, NM	07202500	--	c	1975
Vermejo River near Dawson, NM	07203000	301	c,s	1964-84
Vermejo River near Maxwell, NM	07203525	486	c	1993
Cimarron River below Eagle Nest Dam, NM	07206000	167	c,s	1975-84
Cimarron River near Cimarron, NM	07207000	294	c,s	1979-96
Ponil Creek near Cimarron, NM	07207500	171	c	1981-95
Rayado Creek at Sauble Ranch, near Cimarron, NM	07208500	85	c	1981-95
Mora River at La Cueva, NM	07215500	173	c	1981-95
Mora River near Golondrinas, NM	07216500	267	c,s	1981
Coyote Creek near Golondrinas, NM	07218000	215	c	1975
Mora River near Shoemaker, NM	07221000	1,104	c	1967-69
Bell Ranch Canal below Conchas Dam, NM	07223000	--	c	1963
Conchas Canal below Conchas Dam, NM	07223300	--	c	1964-77
Canadian River below Conchas Dam, NM	07224500	7,417	c	1963-64
Ute Creek near Gladstone, NM	07225500	--	c	1954
Ute Creek near Logan, NM	07226500	2,060	c	1963-64
Ute Reservoir at north spillway at Ute Dam, NM	07226810	11,140	c	1968
Ute Reservoir at north drain outlet, Ute Dam, NM	07226820	11,140	c	1968
Canadian River below Ute Dam near Logan, NM	07226830	--	c	1969
Plaza Largo Creek above Barranca Creek near Tucumcari, NM	07227070	--	c	1964
Plaza Largo Canal below Barranca Creek near Tucumcari, NM	07227073	602	c	1965-66
Revuelto Creek below Plaza Largo Creek near Tucumcari, NM	07227080	672	c	1965
Canadian River near Glenrio, NM	07227125	--	c	1964-66

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Canadian River above New Mexico-Texas State Line, NM	07227140	12,616	b,c,s	1969-73, 1975-86, 1992-2004
Rio Grande above Culebra Creek near Lobatos, CO	08249200	--	b,c,t	1962-69
Costilla Creek near Costilla, NM	08255500	195	c,s	1966-76
Rio Grande near Cerro, NM	08263500	8,440	c,m,s	1977, 1979-87
Rio Grande above Red River near Cerro, NM	08263510	--	c,m,s	1979-81
Red River near Red River, NM	08264000	19.1	s	1963
Red River below Zwergle damsite, near Red River, NM	08264500	25.7	c,m,s	1962-65, 1979-82
Red River at Molycorp Mine near Red River, NM	08264970	78.3	c,m,s	1979-82
Red River near Questa, NM	08265000	113	c,m,s	1979-87
Cabresto Creek near Questa, NM	08266000	36.7	c,m,s	1979-82
Red River below Questa, NM	08266500	160	c,m,s	1979-87
Red River above State Fish Hatchery near Questa, NM	08266790	175	c,m,s	1979-87, 1994
Red River at Fish Hatchery near Questa, NM	08266800	185	c,k,s,t	1966-77
Red River below Fish Hatchery, near Questa, NM	08266820	185	c,m,s	1978-87
Red River at mouth, near Questa, NM	08267000	190	c,m,s	1966-68, 1979-85
Rio Grande above Rio Hondo at Dunn Bridge, NM	08267400	8,690	c,m,s	1979-87
Rio Hondo near Valdez, NM	08267500	185	c,s	1963, 1986-2004
Rio Hondo at damsite at Valdez, NM	08268200	40.3	s	1962-65
Arroyo Hondo at Arroyo Hondo, NM	08268500	65.6	c,m,s	1979-82
Rio Grande del Rancho near Talpa, NM	08275500	83	s	1962-65
Rio Pueblo de Taos below Los Cordovas, NM	08276300	380	b,c,t	1981, 1986-98
Embudo Creek at Dixon, NM	08279000	305	c	1970-97
Rio Grande above San Juan Pueblo, NM	08281100	10,550	c,m,s	1987-88
Willow Creek above Azotea Creek near Park View, NM	08284150	42	c,s	1973
Azotea Tunnel at outlet near Chama, NM	08284160	--	c,s	1974-75
Willow Creek above Heron Reservoir near Park View, NM	08284200	112	c,s	1973-74
Horse Lake Creek above Heron Reservoir near Los Ojos, NM	08284300	0.45	c,s	1973
Willow Creek near Park View, NM	08284500	193	c,s	1962-65
Rio Chama below Heron Dam, NM	08284540	--	c,s	1973-74

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
El Vado Reservoir near Tierra Amarilla, NM	08285000	873	c	1973
Rio Chama seep below El Vado Dam, NM	08285100	873	c	1973-74
Rio Chama below El Vado Dam, NM	08285500	877	c,s	1974
Rio Ojo Caliente at La Madera, NM	08289000	419	c	1976-77
Rio Grande at Santa Clara, NM	08291600	--	c,m,s	1987-94
Rio Nambe at Nambe Falls, near Nambe, NM	08294300	25.1	s	1962-65
Rito de los Frijoles in Bandelier National Monument, NM	08313350	18.1	b,c,m,s,t	1977-82
Cochiti Lake near Cochiti Pueblo, NM	08317300	--	c,s	1981-98
Galisteo Creek below Galisteo Dam, NM	08317950	597	c,k,s,t	1971-78
Galisteo Creek at Domingo, NM	08318000	640	c,s,t	1962-71
Jemez River below East Fork, near Jemez Springs, NM	08321500	173	c,s	1963-67
Piedra Lisa Arroyo near Bernalillo, NM	08329100	4.1	c,s	1962-74
Rio Grande near Bernalillo, NM	08329500	17,300	c,s,t	1962-69
Campus Wash at Albuquerque, NM	08329700	3.80	c,m,s	1991-94
Tijeras Arroyo near Albuquerque, NM	08330600	133	c	1979
Rio Grande Conveyance Channel near Bernardo, NM	08331990	--	c,k,s,t	1962-75
Rio Grande near Bernardo, NM	08332000	19,230	c,s,t	1962-64
Bernardo Interior Drain near Bernardo, NM	08332050	--	c,s,t	1965-68
San Pablo Creek near Cuba, NM	08332700	12.8	c,s	1982
Papers Wash near Star Lake Trading Post, NM	08334300	20.3	c,m,s	1978-82
Arroyo Chico near Guadalupe, NM	08340500	1,390	c,s	1948-55, 1978-87
Bluewater Lake near Bluewater, NM	08341400	201	c,s	1966-69, 1987-92
Rio San Jose at Grants, NM	08343000	1,020	c,s	1974-75, 1980
Rio San Jose near Grants, NM	08343500	2,300	c,b,s	1972, 1976-82, 1986-96
Rio Paguete below Jackpile Mine near Laguna, NM	08349800	107	c	1977-93
Rio Salado near San Acacia, NM	08354000	1,380	c,s	1962-84
Socorro Main Canal North at San Acacia, NM	08354500	--	s	1985
Rio Grande below Elephant Butte Dam, NM	08361000	29,450		1975-82
Rio Grande below Caballo Dam, NM	08362500	30,700	c	1966-68
Rio Grande at Leasburg Dam, NM	08363500	--	b,c,m	1975-79
Tortugas Arroyo near Las Cruces, NM	08363700	20.7	c,s	1963-74
Rio Grande at Vinton Bridge near Anthony, TX	08363840	28,680	b,c,m,s	1975-78
Rio Grande below Old Fort Quintman, TX	08370500	31,990	c,m,s	1930-93
Rio Mora near Terrero, NM	08377900	53.2	c,b,s	1963-96, 2002
Pecos River near Pecos, NM	08378500	189	c	1970-73
Pecos River near Anton Chico, NM	08379500	1,050	b,c,m,s	1967-77

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Gallinas Creek near Montezuma, NM	08380500	84	c	1964-67
Pecos River at Santa Rosa, NM	08383000	2,650	c,t	1905-07, 1959-98
Pecos River below Sumner Dam, NM	08384500	4,390	b,c,m,s,t	1962-66, 1972-87
Pecos River below Taiban Creek near Fort Sumner, NM	08385522	--	c,t	1937-98
Pecos River near Acme, NM	08386000	11,380	b,c,s,t	1937-98
Rio Ruidoso at Hollywood, NM	08387000	120	c,b,s	1960-77, 1987-97, 2002
Rio Hondo at Diamond A Ranch near Roswell, NM	08390500	947	c,s	1962
Hagerman Canal at Dexter, NM	08393800	--	c	1964-67
Rio Penasco at Dayton, NM	08398500	1,060	s	1962-72
Pecos River (Kaiser Channel) near Lakewood, NM	08399500	--	c	1968-70, 1978-79
Lake McMillan near Lakewood, NM	08400500	16,990	c	1962-67, 1978-79
Pecos River below McMillan Dam, NM	08401000	16,990	c	1962-66, 1978-79
Pecos River at Ford Crossing above Major Johnson Springs, NM	08401300	16,990	c	1962-67
Pecos River at Damsite 3 near Carlsbad, NM	08402000	17,980	c,t	1962-67
Pecos River at Carlsbad, NM	08405000	18,100	c,k,t	1962-87
Pecos River below Dark Canyon Draw, at Carlsbad, NM	08405200	18,550	c	1972-2003
Pecos River below Sixmile Dam near Carlsbad, NM	08405260	18,650	b,c,m,s	1975-77
Black River at Harkey Crossing near Malaga, NM	08405400	343	c	1947-66
Pecos River below Red Bluff Dam, near Orla, TX	08410100	--	c,t	1962-63
Pecos River near Orla, TX	08412500	21,210	c,t	1937-2003
Mimbres River at McKnight dam site near Mimbres, NM	08476300	97.3	c,s	1967-72
Tularosa Creek near Bent, NM	08481500	120	c	1963-95
Rio Blanco near Pagosa Springs, CO	09343000	58		1962-65
Rio Blanco at U.S. Highway 84 near Pagosa Springs, CO	09343400	--	c,s	1972-74
Navajo River above Chromo, CO	09344300	96.4	s	1962-65
Navajo River below Oso Diverson Dam near Chromo, CO	09344450	--	c,s	1972-75
Navajo River at Edith, CO	09346000	172	b,c,s	1969-74
San Juan River near Carracas, Co	09346400	1,230	b,c,s	1969-73

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Piedra River near Arboles, CO	09349800	629	b,c,s	1969-73
Los Pinos River at La Boca, CO	09354500	510	b,c,s	1969-73
Canon Largo near Blanco, NM	09356565	1,700	c,m,s	1978-81
San Juan River at Bloomfield, NM	09357000	5,410	s,t	1962-64
San Juan River at Hammond Bridge near Bloomfield, NM	09357100	5,540	b,c,m,s	1978-81
Gallegos Canyon near Farmington, NM	09357250	290	c,m,s	1978-81
San Juan River above Animas River at Farmington, NM	09357300	5,800	c	1966-79
Animas River near Cedar Hill, NM	09363500	1,090	c,m,s,t	1943-45, 1958-59, 1969-73, 1975, 1987-98
La Plata River at Colorado-New Mexico State line	09366500	331	b,c,m,s	1970-73
La Plata River near Farmington, NM	09367500	583	c,s	1970-73, 1978-81
San Juan River near Fruitland, NM	09367540	8,010	c	1978-95
Shumway Arroyo near Fruitland, NM	09367555	62.8	b,c,m,s	1976, 1978-82
Shumway Arroyo near Waterflow, NM	09367561	73.8	b,c,m,s	1974-84, 1986
Chaco Wash near Star Lake Trading Post, NM	09367660	59.0	c,s	1978-82
Chaco Wash at east boundary at Chaco Canyon National Monument, NM	09367676	364	c,s	1981-82
Fajada Wash at Chaco Canyon National Monument, NM	09367678	199	c,s	1981-84
Chaco Wash at Chaco Canyon National Monument, NM	09367680	578	c,s	1976-84
Gallo Wash at Chaco National Monument, NM	09367682	36.2	c,s	1979
Chaco Wash near Pueblo Bonito at bridge at Chaco Canyon National Monument, NM	09367683	619	c,s	1981-84
Ah-shi-sle-pah Wash near Kimbeto, NM	09367685	8.21	c,s	1977-83
Kim-me-ni-oli Wash near Crownpoint, NM	09367687	228	b,c,s	1981-83
Kim-me-ni-oli Wash near Lake Valley, NM	09367689	400	b,c,s	1981-83
De-na-zin Wash near Bisti Trading Post, NM	09367710	184	c,s	1975-82
Black Springs Wash near Mexican Springs, NM	09367900	7.05	c,s	1981-82
Hunter Wash at Bisti Trading Post, NM	09367930	45.6	c,s	1975-82
Teec-ni-di-tso Wash near Burnham, NM	09367934	7.2	c,m,s,t	1978-82
Burnham Wash near Burnham, NM	09367936	8.6	c,m,s,t	1978-82
Chaco River near Burnham, NM	09367938	3,640	c,m,s,t	1978-82
Chaco River near Waterflow, NM	09367950	4,350	c,s	1976-89

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
San Juan River near Bluff, UT	09379500	23,000	c,s,t	1962-68
Rio Nutria near Ramah, NM	09386900	71.4	c,s	1978, 1980, 1987-1994
Zuni River above Black Rock Reservoir, NM	09386950	810	c,s	1976, 1979-94
Puerco River near Church Rock, NM	09395350	193	c,s	1979
Foster Canyon near Continental Divide, NM	09395381	16.8	c	1988
Puerco River at Gallup, NM	09395500	558	c,k,s,t	1975-77, 1979-84
Puerco River near Manuelito, NM	09395630	--	c,s	1988-94
Gila River near Gila, NM	09430500	1,864	c,s,t	1963-67
Mogollon Creek near Cliff, NM	09430600	69	c,b,s	1901, 1967-96
Mangas Creek below Mangas Springs, NM	09431100	--	c,m,s	1970-86
Sunset Canal above New Mexico-Arizona State line	09433500	--	b,c,s	1969-72
New Model Canal above New Mexico- Arizona State line	09436500	--	b,c,s	1969-72
Gila River at New Mexico-Arizona State line	09438000	3,349	b,c,s	1968-73
San Francisco River at Clifton, AZ	09445000	2,766	s	1963-67
Dry Beaver Creek near Rimrock, AZ	09505350	139	s	1964-65

INTRODUCTION

The USGS New Mexico Water Science Center, in cooperation with Federal, State, and local agencies, obtains a large quantity of data pertaining to the water resources of New Mexico each water year. These data, accumulated during many water years, constitute a valuable database for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series titled "Water Resources Data - New Mexico."

This report include records of discharge and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains discharge records for 182 gaging stations and contents for 22 lakes and reservoirs; water quality for 45 gaging stations, 110 wells, and 3 partial-record stations and miscellaneous sites, and water levels at 109 observation wells. Also included are 85 crest-stage, partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program and are published as miscellaneous measurements. Two seepage investigations were made during the year. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating Federal, State, and local agencies in New Mexico.

Data on stream discharge and stage and on lake or reservoir contents and stage were first published in a series of U.S. Geological Survey Water-Supply Papers titled "Surface Water Supply of the United States." These Water-Supply Papers were in an annual series through September 30, 1960, then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperature, and suspended sediment were published from 1941 to 1970 in an annual series of Water-Supply Papers titled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of Water-Supply Papers titled "Ground-Water Levels in the United States." Water-Supply Papers generally are available in the libraries of the principal cities of the United States or may be purchased from the U.S. Geological Survey, Information Services, Box 25286, Denver, Colorado 80225.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports for each State. Water-quality records for water years 1964 through 1974 were similarly released in separate reports published annually for each State.

These reports have an identification number consisting of the two-letter State beginning with water year 1975; data for streamflow, water quality, and ground water were combined in reports abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NM-05-1." These Water-Data Reports are for sale by the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161.

COOPERATION

The U.S. Geological Survey and State and local agencies have had joint-funding agreements for the collection of streamflow records since 1930 and for water-quality records since 1940. Organizations that assisted in collecting the data in this report through joint-funding agreements with the Survey are:

New Mexico Office of the State Engineer,
 New Mexico Interstate Stream Commission,
 Pecos River Commission,
 New Mexico State Highway and Transportation
 Department,
 Canadian River Municipal Water Authority,
 Costilla Creek Compact Commission,
 Albuquerque Metropolitan Arroyo Flood Control
 Authority,
 City of Albuquerque,
 City of Santa Fe,
 City of Santa Rosa,
 City of Raton,
 Pueblo of Zuni,
 Pecos Valley Artesian Conservancy District,
 Lea County Water User's Association,
 Red Bluff Water and Power District,
 Sandoval County,
 Village of Ruidoso, and
 New Mexico Environment Department, Surface
 Water Quality Bureau.

Financial assistance for the collection of water-resources data published in this report was provided by the U.S. Army Corps of Engineers, the Bureau of Reclamation, the Bureau of Indian Affairs, and the Bureau of Land Management.

Assistance in the form of services was provided by the Carlsbad Irrigation District. Organizations that provided data are recognized in the station description.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Perennial streams in New Mexico generally are in mountainous regions in the north-central, south-central, and southwestern parts of the State. Other perennial streams include the San Juan and Animas Rivers in northwestern New Mexico, which originate in the San Juan Mountains of southwestern Colorado. When flow is not regulated by releases from dams, several reaches of the Pecos River south of Santa Rosa have perennial flow that is maintained by relatively large spring runoff. Large discharges in perennial streams normally are the result of spring snowmelt in the mountains, which may last several months.

Ephemeral streams are present in the remainder of the State. Some of these streams, such as the Rio Puerco, have deeply incised channels, whereas others, especially those on the eastern plains, are swales without any well-defined channel. Large discharges in ephemeral streams generally are caused by intense, short-duration thunderstorms (normally occurring from mid-June to mid-October); the runoff usually lasts for only a few hours.

The quantity of water in the hydrologic system, as evidenced by precipitation records, ranged from below normal to well above normal in the State at the beginning of water year 2005. For example, Carlsbad recorded only 64 percent of normal rainfall in October. In contrast Albuquerque received 101 percent of normal rainfall and Santa Fe received 188 percent of its

normal rainfall. Rainfall amounts increased dramatically in November. Carlsbad recorded 775 percent of normal, Las Vegas recorded 302 percent of normal, and Albuquerque had 286 percent of normal rainfall for the month. December rainfall did not sustain this trend. Rainfall was generally below normal in most areas of the State. Rainfall amounts rebounded to near normal and above normal amounts from January through April. May rainfall varied widely. Specifically, Farmington recorded only 63 percent of normal, Santa Fe received only 35 percent of normal, while Albuquerque received 80 percent of normal and Las Cruces received an ample 179 percent of normal. Recorded rainfall amounts dropped to below normal in most areas of the State from June through July. In contrast, August rainfall varied from near normal to well above normal. Farmington reflected this trend recording 160 percent of normal and Carlsbad recorded 132 percent for the month. Rainfall amounts at the end of water year 2005 were generally below normal.

The quantity of water stored in New Mexico's reservoirs often does not represent natural hydrologic conditions because operators of those reservoirs need to meet demands for such uses as irrigation, flood control, legal compacts, endangered species, and recreation. During periods of heavy storm activity, for example, reservoir operators can reduce the amount of water in storage. A review of water storage during water year 2005 indicates various trends. Storage at Cochiti Reservoir was 10 percent of capacity in all months except April with 12 percent of capacity and May with 19 percent of capacity. In similar manner, Ute Reservoir only varied from 73 to 79 percent of capacity and Brantley Reservoir only varied from 1 percent to 4 percent of capacity during the water year. Heron Reservoir demonstrated a slow but steady increase in storage during the 2005 water year. It began the year at 28 percent of capacity and was at 57 percent of capacity by the end of the year. Several reservoirs experienced decreasing storage early in the year before rebounding to more water storage late in the year. This was the case in El Vado Reservoir, where storage was 20 percent of capacity or below until April when water in storage increased dramatically to 84 percent of capacity in June. By

September the reservoir had storage of 59 percent of capacity. Navajo Reservoir experienced a similar trend during the 2005 water year. Elephant Butte and Caballo Reservoirs are used in the administration of the Rio Grande Compact. The amount of water stored by these reservoirs during the 2005 water year was near record lows at the beginning of the water year and increased only slightly later in the year. Specifically, in the beginning of the year combined storage in those reservoirs was 5 percent of capacity and only managed to increase to a maximum for the year of 25 percent of capacity in June. By the end of the water year, storage had dropped to only 15 percent of capacity. In like manner Sumner Reservoir and Santa Rosa Lake are reservoirs used to administer the Pecos River Compact between New Mexico and Texas. These reservoirs held combined storage of only 8 percent in October increasing to a maximum of only 26 percent in August. Storage was at or near 25 percent of capacity for these reservoirs through the end of the water year. Reservoir storage in most of the State's reservoirs at the end of water year 2005 generally was at higher levels than at the beginning of the water year. Specifically, the combined storage of 13 major reservoirs in the State increased by 1,175,400 acre-feet during water year 2005, totaling 2,909,200 acre-feet by September 30, 2005. The total combined storage was only 34 percent of the 8,530,000 acre-feet combined capacity of these 13 reservoirs.

Streamflow in New Mexico was well below normal at the end of water year 2004. At the beginning of water year 2005 streamflow increased at most index gaging stations in the State. Specifically, recorded flows in October were 80 percent of normal at Rio Grande at Taos Junction Bridge (station 08276500), 117 percent of normal at Pecos River near Pecos (station 08378500), 108 percent of normal at Gila River near Gila (station 09430500), and a surprising 3,110 percent of normal at Delaware River near Red Bluff (station 08408500). Flows continued to be at or above normal at the index stations until the summer. By June flow had decreased to 78 percent of normal at Delaware River near Red Bluff and in July flows had decreased to 78 percent of normal at the Pecos River near Pecos and 65 percent of normal at the Gila River near Gila gaging stations. Flow at the Rio Grande near Taos Junction Bridge was 100 percent of normal in October decreasing in September to only 75 percent of normal. In like manner, at the end of the 2005 water year, all the index stations were recording below normal flows with the exception of Pecos River near Pecos where streamflow was 162 percent of normal.

Ground-Water Levels

Ground-water levels are historically measured periodically in a network of about 6,000 observation wells in order to record changes in

Discharges for water year 2005 at four index streamflow-gaging stations compared to median annual discharge for water years 1975-2004 at the same stations are listed below:

Station number	Station name	Median annual discharge in acre-ft water years 1975-2004	Annual mean discharge in acre-ft water year 2005	2005 discharge as a percentage of median
08276500	Rio Grande below Taos Junction Bridge	571,990	696,800	122
08378500	Pecos River near Pecos	74,990	109,700	146
08408500	Delaware River near Red Bluff	3,660	8,410	230
09430500	Gila River near Gila	113,090	250,600	222

ground-water storage. Water levels in about 1,200 wells are historically measured annually and the remaining 4,800 wells are scheduled for measurement at 5-year intervals, so that wells in different areas are measured each year (fig. 1). The areas of water-level measurements are in eight of the nine major surface-water drainage basins; most are in areas where ground water is used in large quantities for irrigation, municipal, or industrial purposes. Seventeen selected wells in various parts of the State are equipped with continuous water-level recorders.

Hydrographs of water levels in wells (fig. 2) in the four quadrants of the State illustrate the water-level trends for the last 20 years. The decrease in the water level, beginning about 1989, in the Cibola County well may be a result of recent withdrawals for industrial use and drought. The wells in Luna, Union, and Chaves Counties are in areas of intensive irrigation. The yearly water-level fluctuations in the Luna County well (Mimbres Valley) were relatively stable during the late 1980's but water level in the well has decreased from water year 1991. The water level in the well in Union County continued to decline, which is typical of wells on the High Plains of northeastern New Mexico. The water level in the well in Chaves County has yearly fluctuations that are typical of water levels in wells in the Roswell artesian basin. Water levels in that area, represented by this well, had been recovering since the mid-1970's due to a decrease in withdrawals coupled with a local increase in recharge. However, this trend leveled off from about 1994 through about 2000 when water levels began to decline.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is

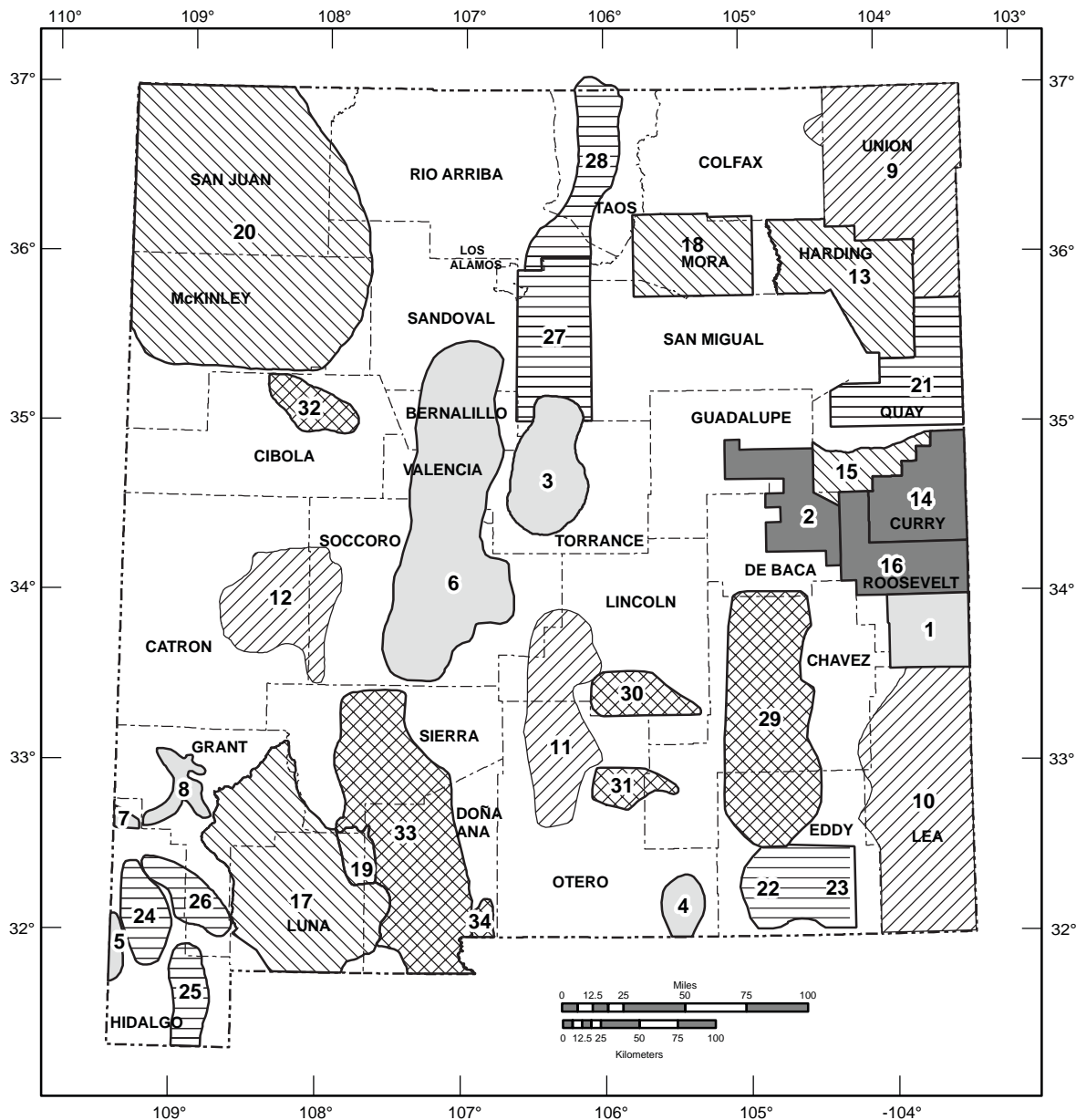
immediately tributary is indicated by an indentation in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit (or 8-digit) downstream order number "004100." In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number.

The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well- and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells (see fig. 3). The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random



EXPLANATION

2000/2005	2001/2006	2002/2007	2003/2008	2004/2009	ANNUAL
1.CAUSEY-LINGO	9.NORTHERN HIGH PLAINS	13.HARDING COUNTY	21.LOWER CANADIAN	29.ROSWELL BASIN	2.FORT SUMNER
3.ESTANCIA	10.LEA COUNTY	15.HOUSE	22.CARLSBAD	30.RIO HONDO	14.CURRY COUNTY
4.SALT BASIN	11.TULAROSA BASIN	17.MIMBRES BASIN	23.CAPITAN REEF	31.RIO PEÑASCO	16.PORTALES
5.SAN SIMON	12.SAN AGUSTIN PLAINS	18.MORA	24.ANIMAS	32.GRANTS-BLUEWATER	
6.MIDDLE RIO GRANDE	19.NUTT-HOCKETT	20.SAN JUAN BASIN	25.PLAYAS	33.LOWER RIO GRANDE	
7.VIRDEN			26.LORDSBURG	34.HUECO	
8.GILA RIVER			27.SANTA FE COUNTY		
			28.UPPER RIO GRANDE		

Figure 1.--Areas of annual and 5-year ground-water-level monitoring and years measured or scheduled for measurement.

WATER RESOURCES DATA—NEW MEXICO, 2005

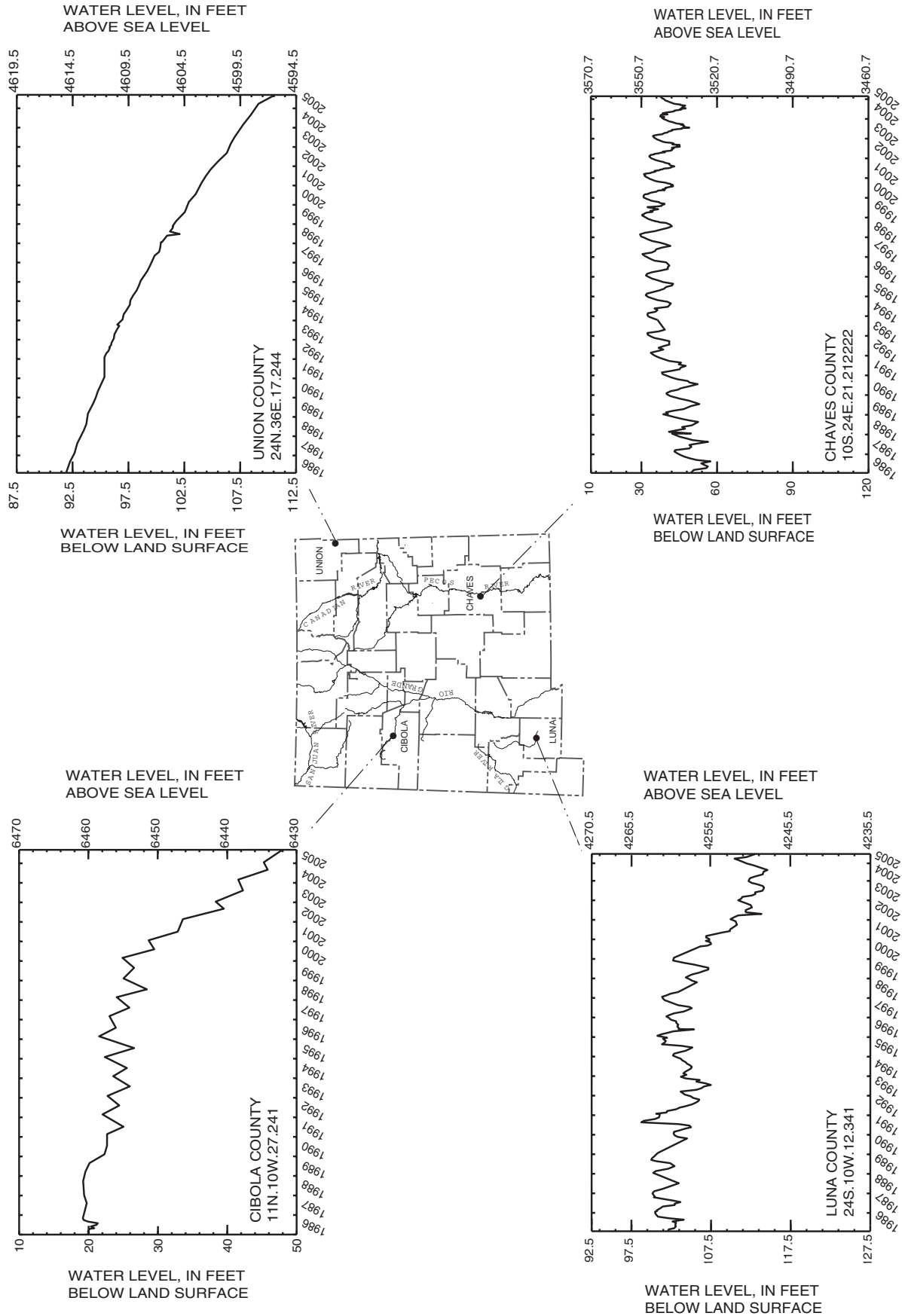


Figure 2. Ground-water level trends for the last 20 years.

water-quality samples or discharge measurements are taken.

In addition to the well number that is based on the latitude and longitude for each well, another well number is given that is based on the Bureau of Land Management’s system of land subdivision. This well number is familiar to the water users of New Mexico and shows the location of the well by quadrant, township, range section, and position within the section (see fig. 4). The letters N or S locate the township north or south of the New Mexico base line. The letters E or W locate the range east or west of the New Mexico principal meridian. Four quadrants are formed by the intersection of the base line and the principal meridian—1 indicates the northwest quadrant, 2 the northeast, 3 the southwest, and 4 the southeast. A zero in a tract number indicates that the well or spring is centrally positioned or has not been located accurately enough to be placed within a tract or quarter section. Three digits in a tract number will locate a well or spring to the nearest 10-acre tract, and 6 digits will locate a site to the nearest 0.16-acre tract.

The well-numbering system in Texas was developed by the Texas Water Development Board for use throughout the State. Under this system, each 1-degree quadrangle is given a number consisting of 2 digits. These are the first 2 digits in the well number. Each 1-degree quadrangle is divided into 7 1/2-minute quadrangles, which are given 2-digit numbers from 01 to 64. These are the third and fourth digits of the well number. Each 7

1/2-minute quadrangle is divided into 2 1/2-minute quadrangles, which are given a single-digit number from 01 to 19. This is the fifth digit of the well number. Finally, each well within a 2 1/2-minute quadrangle is given a 2-digit number in the order in which it was inventoried, starting with 01. These are the last 2 digits of the well number. In addition to this 7-digit number, a two-letter prefix is used to identify the county. An example of the Texas well-numbering system is provided in figure 5.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from <http://ny.cf.er.usgs.gov/hbn/>.

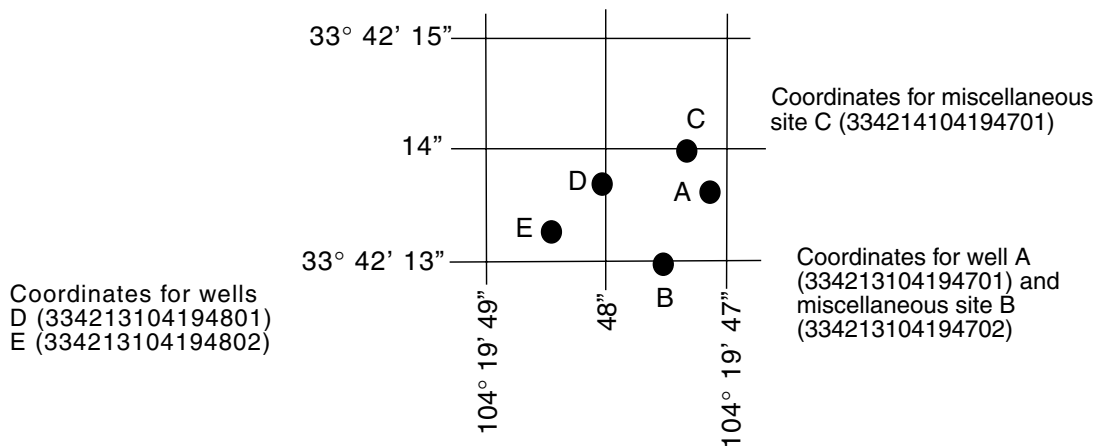


Figure 3.--System for assigning latitude-longitude numbers to wells, springs, and miscellaneous sites.

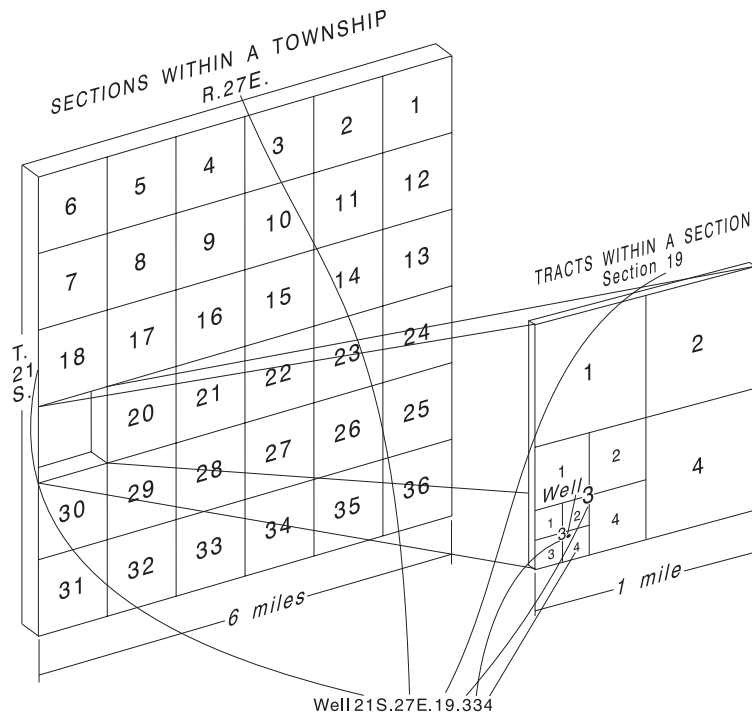


Figure 4.--New Mexico well-numbering system.

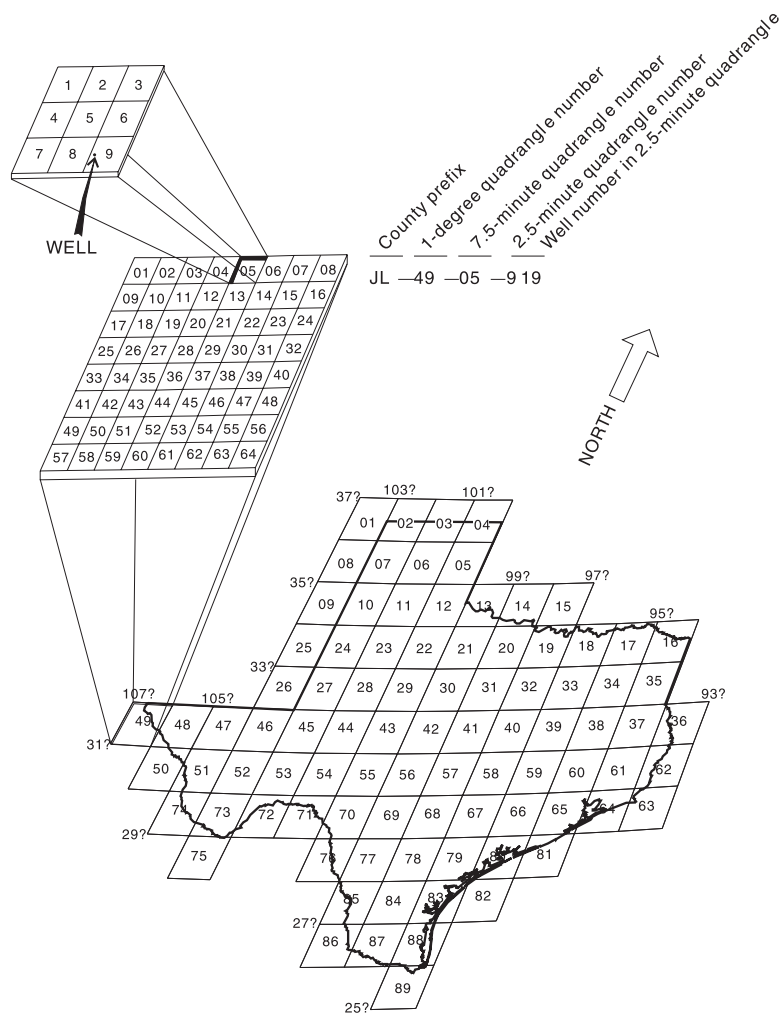


Figure 5.--Texas well-numbering system.

National Stream-Quality Accounting

Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande river basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers so that a network of five stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment (NAWQA) Program; (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program may be accessed from <http://water.usgs.gov/nasqan/>.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the

effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as data from the individual sites, may be accessed from <http://bqs.usgs.gov/acidrain/>.

The USGS National Water-Quality Assessment (NAWQA) Program is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents is measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for water-resources managers to use in making decisions and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water-resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities for collaboration among the agencies. Additional information about the NAWQA Program may be accessed from <http://water.usgs.gov/nawqa/>.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from <http://water.usgs.gov/nsip/>.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations (fig. 6) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2, which may be accessed from <http://water.usgs.gov/pubs/twri/>. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standardization (ISO).

For stream-gaging stations, discharge-rating tables for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than

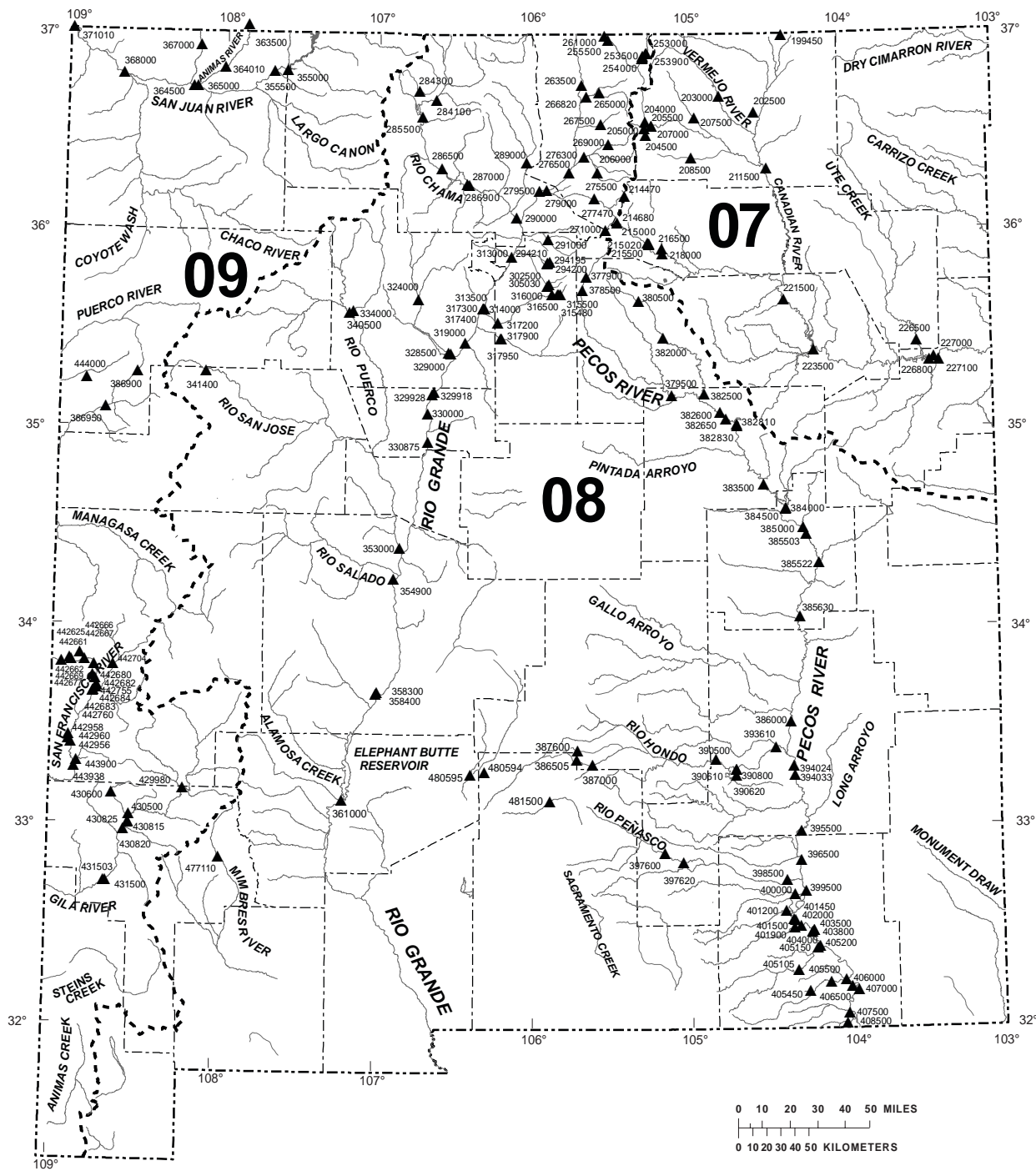
measured, the extensions are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily values. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features of the stream channel, the daily mean discharge is computed by the shifting-control method in which correction factors that are based on individual discharge measurements and notes by engineers and observers are used when applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the controlling section, the daily mean discharge is computed by the shifting-control method.

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations, and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, the stage-discharge relation is affected by changing stage. At these stations, the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter-discharge measurements.



Source: U.S. Geological Survey digital data; 1:500,000 scale

EXPLANATION

- 07 LOWER MISSISSIPPI RIVER BASIN NUMBER
- 08 WESTERN GULF OF MEXICO BASIN NUMBER
- 09 COLORADO RIVER BASIN NUMBER
- RIVER BASIN BOUNDARY
- ▲ GAGING STATION AND NUMBER--
 Number by symbol is abbreviated station number. Complete national station number is: 08 408500
 Basin number + station number

Figure 6.--Location of surface-water gaging stations.

Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge from other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the volume or contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly changes are computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) a summary statistics table that includes statistical data of

annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and (5) a hydrograph of discharge.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments follow that clarify information presented under the various headings of the station description.

LOCATION.—Location information is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.—Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.—This term indicates the time period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that its flow reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.—All periods of estimated daily discharge either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based national data system, NWISWeb (<http://water.usgs.gov/nwis/nwis>). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations to document the revision in a REVISED RECORDS entry, users of data for these stations who obtained

the record from previously published data reports may wish to contact the USGS Water Science Center (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. Any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the REMARKS and in the inclusion of a stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 year.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed TOTAL gives the sum of the daily figures for each month; the line headed MEAN gives the arithmetic average flow in cubic feet per second for the month; and the lines headed MAX and MIN give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month is expressed in cubic feet per second per square mile (line headed CF5M); or in inches (line headed IN); or in acre-feet (line headed AC-FT). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or

diversion, or diversion data or reservoir volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (MIN) of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those values. The designated period will be expressed as FOR WATER YEARS __-__, BY WATER YEAR (WY), and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled SUMMARY STATISTICS follows the statistics of monthly mean data tabulation. This table consists of four columns with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, WATER YEARS __-__, will consist of all of the station records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the ANNUAL 7-DAY MINIMUM statistic, are calculated for the designated period using complete water years. The other statistical

characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that follow clarify information presented under the various line headings of the SUMMARY STATISTICS table.

ANNUAL TOTAL.—The sum of the daily mean values of discharge for the year.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

HIGHEST ANNUAL MEAN.—The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.—The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.—The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.—The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.—The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. This value should not be confused with the 7-day 10-year low-flow statistic.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.—The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.—Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.—The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.—The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.—The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations (fig. 7) follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first table lists annual maximum stage and discharge at crest-stage stations, and the second table lists discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data

reports are identified. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e—Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The degree of accuracy of the records is stated in the REMARKS in the station description. “Excellent” indicates that about 95 percent of the daily discharges are within 5 percent of the true value; “good” within 10 percent; and “fair,” within 15 percent. “Poor” indicates that daily discharges have less than “fair” accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to the nearest tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to three significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge values listed for partial-record stations.

Other Data Records Available

Information of a more detailed nature than that published for most of the stream-gaging stations such as discharge measurements, gage-height records, and rating tables is available from the USGS Water Science Center. Also, most stream-gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the USGS Water Science Center (see address that is shown on the back of the title page of this report).

EXPLANATION OF PRECIPITATION RECORDS

Data Collection and Computation

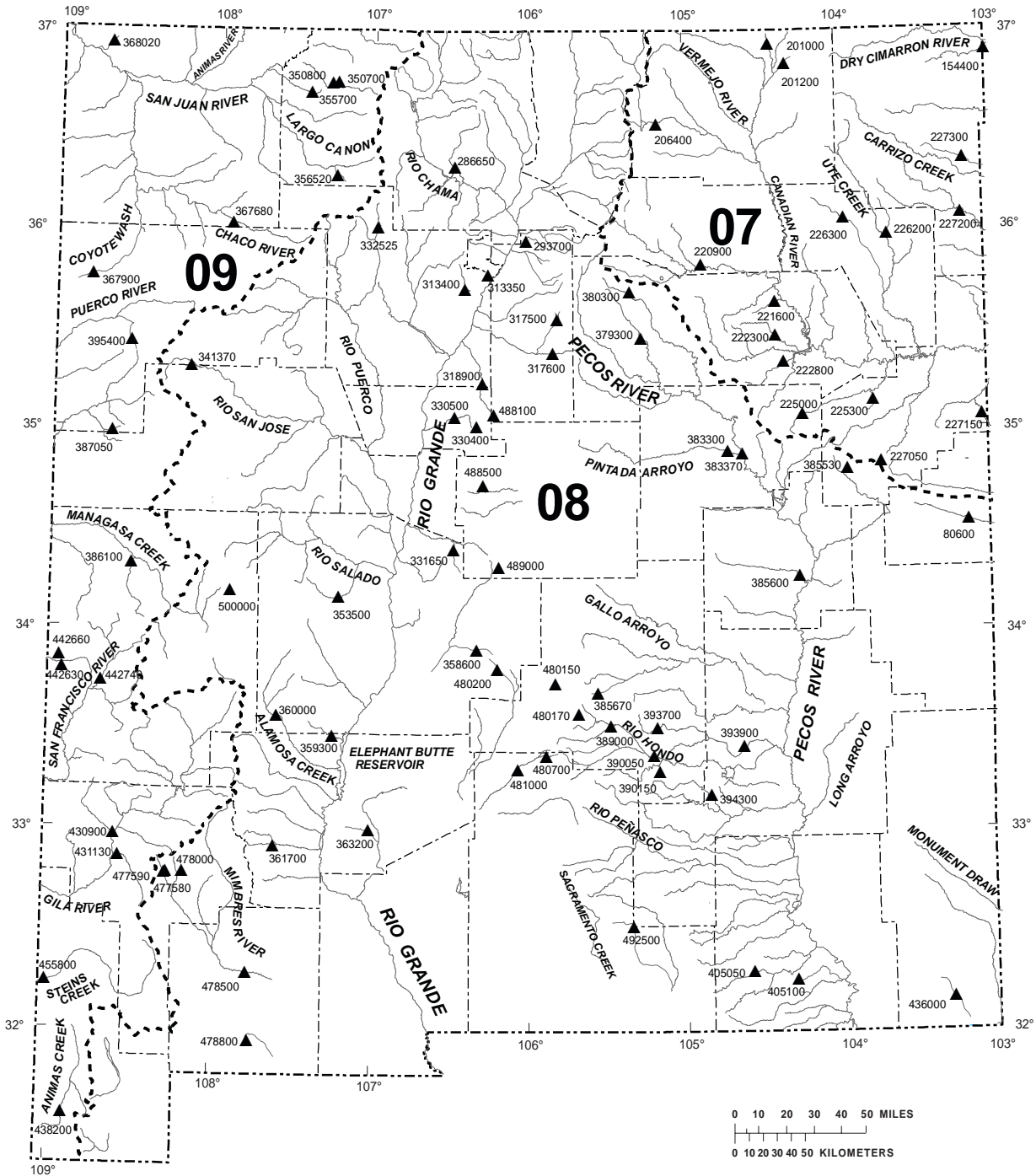
Rainfall data generally are collected using electronic data loggers that measure the rainfall in 0.01-inch increments every 15 minutes using either a tipping-bucket rain gage or a collection well gage. Twenty-four hour rainfall totals are tabulated and presented. A 24-hour period extends from just past midnight of the previous day to midnight of the current day. Snowfall-affected data can result during cold weather when snow fills the rain-gage funnel and then melts as temperatures rise. Snowfall-affected data are subject to errors. Missing values are indicated by this symbol “---” in the table.

Data Presentation

Precipitation records collected at surface-water gaging stations are identified with the same station number and name as the stream-gaging station. Where a surface-water daily-record station is not available, the precipitation record is published with its own name and latitude-longitude identification number.

Information pertinent to the history of a precipitation station is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, period of record, and general remark.

The following information is provided with each precipitation station. Comments that follow clarify information presented under the various headings of the station description.



Source: U.S. Geological Survey digital data; 1:500,000 scale

EXPLANATION

- 07 LOWER MISSISSIPPI RIVER BASIN NUMBER
- 08 WESTERN GULF OF MEXICO BASIN NUMBER
- 09 COLORADO RIVER BASIN NUMBER
- RIVER BASIN BOUNDARY
- ▲ GAGING STATION AND NUMBER--
 Number by symbol is abbreviated station number. Complete national station number is: 08 436000
 Basin number + station number

Figure 7.--Location of partial-record stations.

LOCATION.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

INSTRUMENTATION.—Information on the type of rainfall collection system is given.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of records.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRI, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

One sample can define adequately the water quality at a given time if the mixture of solutes

throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data are useful in the interpretation of surface-water quality. Records of surface-water quality in this report involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency

may be one or more times daily, weekly, monthly, or quarterly. A *partial-record station* is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A *miscellaneous sampling site* is a location other than a continuous- or partial-record station, where samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between *continuous records* as used in this report and *continuous recordings* that refer to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 8.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

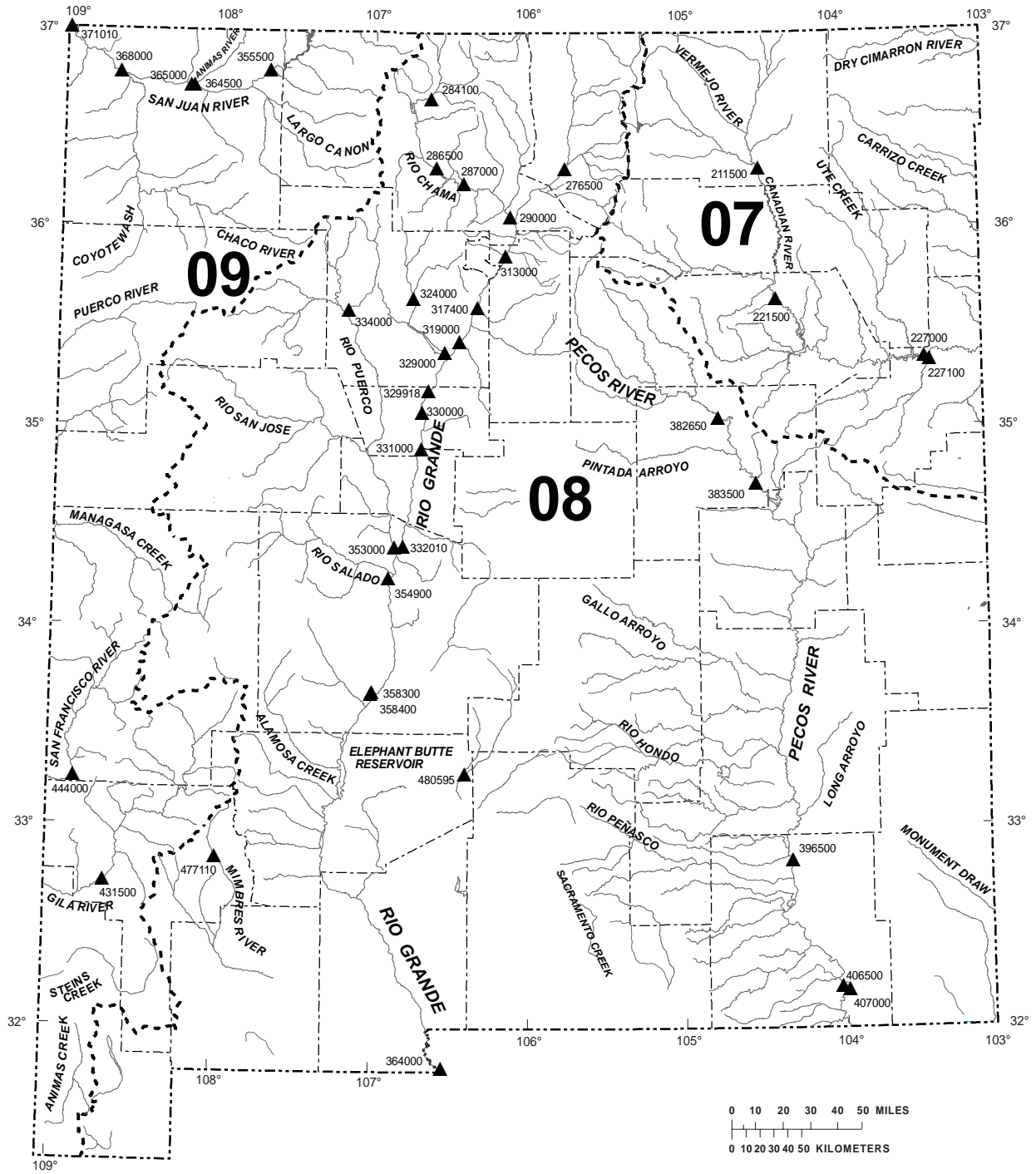
Onsite Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made onsite when the samples are collected. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. Most of the methods used for collecting and analyzing water samples are described in the TWRI's, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS Water Science Center (see address that is shown on the back of title page in this report).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of



Source: U.S. Geological Survey digital data; 1:500,000 scale

EXPLANATION

- 07 LOWER MISSISSIPPI RIVER BASIN NUMBER
- 08 WESTERN GULF OF MEXICO BASIN NUMBER
- 09 COLORADO RIVER BASIN NUMBER
- RIVER BASIN BOUNDARY
- ▲ GAGING STATION AND NUMBER--
 Number by symbol is abbreviated station number. Complete national station number is: 08 407000
 Basin number + station number

Figure 8.--Location of active surface-water-quality gaging stations.

water-discharge measurements are on file in the Water Science Center.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section.

During periods of rapidly changing flow or rapidly changing concentration, samples may be collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration are computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and

after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRIs, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. The TWRI

Rating classifications for continuous water-quality records

[≤, less than or equal to; ±, plus or minus value shown; °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured field parameter	Ratings of accuracy (Based on combined fouling and calibration drift corrections applied to the record)			
	Excellent	Good	Fair	Poor
Water temperature	≤ ±0.2 °C	> ±0.2 - 0.5 °C	> ±0.5 - 0.8 °C	> ±0.8 °C
Specific conductance	≤ ±3%	> ±3 - 10%	> ±10 - 15%	> ±15%
Dissolved oxygen	≤ ±0.3 mg/L or ≤ ±5%, whichever is greater	> ±0.3 - 0.5 mg/L or > ±5 - 10%, whichever is greater	> ±0.5 - 0.8 mg/L or > ±10 - 15%, whichever is greater	> ±0.8 mg/L or > ±15%, whichever is greater
pH	≤ ±0.2 units	> ±0.2 - 0.5 units	> ±0.5 - 0.8 units	> ±0.8 units
Turbidity	≤ ±0.5 turbidity units or ≤ ±5%, whichever is greater	> ±0.5 - 1.0 turbidity units or > ±5 - 10%, whichever is greater	> ±1.0 - 1.5 turbidity units or > ±10 - 15%, whichever is greater	> ±1.5 turbidity units or > ±15%, whichever is greater

publications may be accessed from <http://water.usgs.gov/pubs/twri/>. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of “daily values” of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.—Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based national data system, NWISWeb (<http://waterdata.usgs.gov/nwis>). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a nondetection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte either was not detected or did not pass

identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by a USGS Water Science Center are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the USGS Water Science Center.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected by this USGS Water Science Center are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental

sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield

slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs. (See NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES in this report for a detailed explanation.)

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the TWRI's referred to in the Onsite Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Water-level measurements in this report are given in feet with reference to land-surface datum (l.s.d.). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number. Well locations are shown and each well is identified by its local well or county well number on a map in this report (fig. 9).

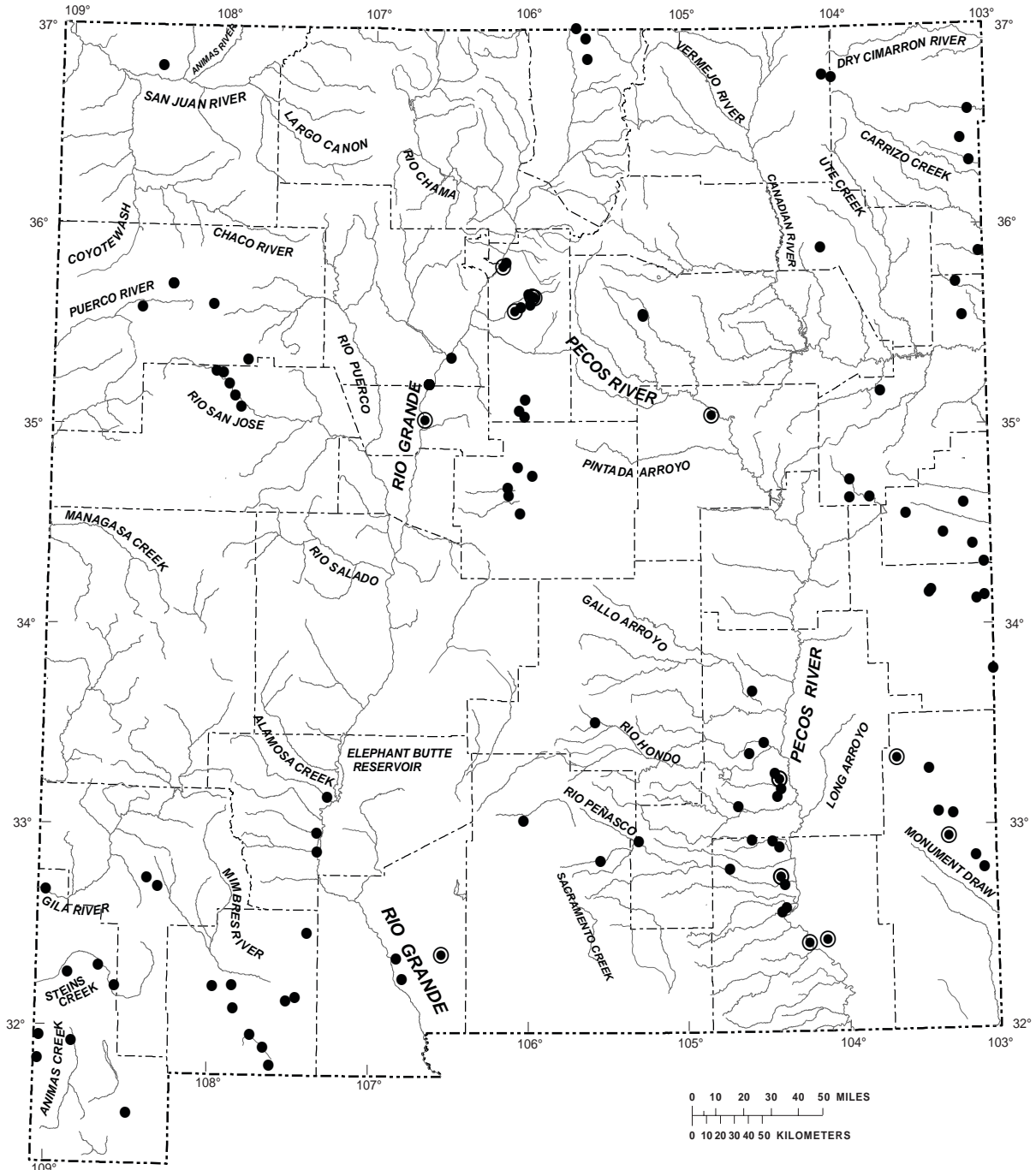
Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.



Source: U.S. Geological Survey digital data; 1:500,000 scale

EXPLANATION

OBSERVATION WELL--

● Recording

● Nonrecording

Figure 9.--Location of observation wells.

INSTRUMENTATION.—This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above National Geodetic Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may affect the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum

(ltd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder’s float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide.

Most methods for collecting and analyzing water samples are described in the TWRI, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4; and Book 9, Chapters A1-A6. Also, detailed information on collecting, treating, and shipping samples may be obtained from the

USGS Water Science Center (see address shown on back of title page in this report).

water-related terms are accessible from <http://water.usgs.gov/glossaries.html>.

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed onsite. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2; and Book 5, Chapters A1, A3, and A4, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed from <http://water.usgs.gov>.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each USGS Water Science Center. (See address that is shown on the back of the title page of this report.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, may be accessed from http://water.usgs.gov/ADR_Defs_2004.pdf. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) units. Other glossaries that also define

07199450 LAKE MALOYA NEAR RATON, NM

LOCATION.--Lat 36°59'02", long 104°22'24", Colfax County, Hydrologic Unit 11080001, in Maxwell Grant, near spillway of dam on Chicorica Creek, 6.5 mi northeast of Raton, and at mile 21.5.

DRAINAGE AREA.--20.8 mi².

PERIOD OF RECORD.--May 1975 to September 1987 (month end contents only), October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, from topographic map.

REMARKS.--Reservoir is formed by an earthfill dam, completed in 1907, capacity, 59 acre-ft. Reservoir enlarged in 1916, capacity, 1,130 acre-ft, spillway elevation, 7,479.0 ft. Reservoir enlarged again in 1948, capacity, 3,690 acre-ft, spillway elevation, 7,511.0 ft. Elevation of lowest outlet, 7,439.0 ft. No dead storage. Water is for municipal use of City of Raton. See table below for total monthly diversion, in acre-ft, from Lake Maloya for municipal supply for City of Raton and releases to Vermejo Conservancy District.

COOPERATION.--Diversion, spillage, and release data provided by City of Raton.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,970 acre-ft, May 31, 1975, elevation, 7,510.79 ft; maximum elevation observed, 7,513.01 ft, May 29, 1995; minimum observed, 911 acre-ft, Feb. 28, 1979, elevation, 7,479.85 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,870 acre-ft, Apr. 16, 19, elevation, 7,512.50 ft; minimum contents, 3,610 acre-ft, Oct. 1, elevation 7,510.33 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,610	3,670	3,700	3,700	3,710	3,710	3,730	3,780	3,740	3,700	3,690	3,690
2	3,620	3,660	3,700	3,700	3,710	3,710	3,740	3,770	3,730	3,700	3,690	3,690
3	3,620	3,660	3,700	3,710	3,700	3,710	3,750	3,770	3,730	3,700	3,680	3,690
4	3,630	3,670	3,700	3,720	3,710	3,710	3,760	3,760	3,730	3,700	3,680	3,690
5	3,630	3,670	3,700	3,710	3,710	3,710	3,750	3,770	3,720	3,700	3,680	3,700
6	3,630	3,670	3,700	3,710	3,710	3,710	3,750	3,810	3,720	3,700	3,690	3,700
7	3,630	3,670	3,700	3,710	3,710	3,720	3,770	3,800	3,720	3,710	3,690	3,700
8	3,630	3,670	3,700	3,700	3,710	3,720	3,780	3,780	3,720	3,710	3,690	3,700
9	3,630	3,680	3,700	3,710	3,700	3,720	3,780	3,780	3,710	3,710	3,690	3,690
10	3,630	3,690	3,700	3,710	3,700	3,720	3,770	3,780	3,720	3,710	3,680	3,690
11	3,630	3,690	3,700	3,710	3,700	3,720	3,760	3,770	3,720	3,700	3,690	3,690
12	3,630	3,690	3,700	3,710	3,720	3,730	3,760	3,760	3,720	3,700	3,700	3,690
13	3,640	3,700	3,700	3,710	3,720	3,730	3,780	3,760	3,720	3,700	3,700	3,690
14	3,640	3,700	3,700	3,710	3,720	3,730	3,790	3,750	3,710	3,700	3,690	3,690
15	3,650	3,700	3,710	3,700	3,720	3,720	3,830	3,760	3,740	3,700	3,700	3,690
16	3,650	3,710	3,700	3,700	3,720	3,720	3,870	3,750	3,730	3,700	3,700	3,680
17	3,660	3,710	3,700	3,700	3,720	3,720	3,860	3,750	3,720	3,690	3,700	3,680
18	3,660	3,710	3,700	3,700	3,720	3,720	3,860	3,750	3,720	3,690	3,700	3,680
19	3,660	3,710	3,700	3,700	3,720	3,720	3,870	3,740	3,710	3,690	3,700	3,680
20	3,670	3,710	3,700	3,710	3,720	3,720	3,850	3,740	3,710	3,690	3,700	3,680
21	3,670	3,710	3,700	3,710	3,720	3,720	3,830	3,740	3,710	3,690	3,700	3,680
22	3,670	3,710	3,700	3,710	3,720	3,720	3,810	3,740	3,700	3,690	3,700	3,680
23	3,670	3,710	3,700	3,710	3,720	3,720	3,820	3,730	3,700	3,690	3,700	3,690
24	3,680	3,710	3,700	3,710	3,720	3,720	3,800	3,730	3,700	3,690	3,700	3,690
25	3,680	3,710	3,700	3,710	3,720	3,730	3,790	3,720	3,710	3,690	3,700	3,690
26	3,680	3,710	3,700	3,710	3,720	3,720	3,800	3,720	3,710	3,700	3,690	3,690
27	3,690	3,710	3,700	3,710	3,710	3,720	3,800	3,720	3,710	3,700	3,690	3,690
28	3,690	3,700	3,700	3,710	3,710	3,720	3,790	3,720	3,710	3,700	3,690	3,690
29	3,690	3,700	3,700	3,710	---	3,730	3,790	3,730	3,700	3,700	3,690	3,690
30	3,690	3,700	3,700	3,710	---	3,730	3,780	3,750	3,700	3,690	3,690	3,690
31	3,690	---	3,700	3,710	---	3,720	---	3,750	---	3,690	3,690	---
MAX	3,690	3,710	3,710	3,720	3,720	3,730	3,870	3,810	3,740	3,710	3,700	3,700
MIN	3,610	3,660	3,700	3,700	3,700	3,710	3,730	3,720	3,700	3,690	3,680	3,680
(+)	7,511.00	7,511.08	7,511.08	7,511.17	7,511.17	7,511.25	7,511.75	7,511.50	7,511.08	7,511.00	7,511.00	7,511.00
(++)	+90	+10	0	+10	0	+10	+60	-30	-50	-10	0	0
(+++)	3.6	69	0	115	96	115	113	169	206	108	36	8.8
(++++)	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR	2004	MAX 3,760	MIN 3,360	(++) +280	(++) +280	(++) 1,010	(++) 337	(++) 337	(++) 337	(++) 337	(++) 337	(++) 337
WTR YR	2005	MAX 3,870	MIN 3,610	(++) +90	(++) +90	(++) 1,039	(++) 0	(++) 0	(++) 0	(++) 0	(++) 0	(++) 0

(+)Elevation, in feet, at end of month.
 (++)Change in contents, in acre-feet.
 (+++)Diversion for Lake Maloya, in acre-feet.
 (++++)Release, in acre-feet, to Vermejo Conservancy District.

07202500 EAGLE TAIL DITCH NEAR MAXWELL, NM

LOCATION.--Lat 36°38'55", long 104°33'31", Colfax County, Hydrologic Unit 11080001, in Maxwell Grant, on left bank 25 ft upstream from concrete drop structure, 300 ft upstream from Crow Creek, and 7.5 mi north of Maxwell.

PERIOD OF RECORD.--December 1944 to July 1950 (monthly discharge only October 1945 to July 1950), May 1975 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,110 ft above NGVD of 1929, from topographic map. Prior to May 1975, at site about 200 ft upstream at different datum.

REMARKS.--Records fair. Eagle Tail ditch diverts water from Chicorica Creek for use near Maxwell. No diversions upstream from station. No flow at times most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.41	0.16	e0.50	2.1	e1.0	14	29	47	58	7.8	1.3	2.5
2	0.43	0.12	e0.50	2.1	e1.0	13	29	41	49	9.3	0.92	3.7
3	0.39	0.10	e0.50	2.5	e1.0	13	35	38	41	8.9	0.63	2.8
4	0.29	7.9	e1.0	3.7	e1.0	12	36	32	36	6.9	0.44	2.1
5	0.80	3.7	e1.5	e2.0	e2.0	11	37	26	34	6.8	0.30	2.0
6	7.8	1.6	e1.0	e1.0	e3.0	11	37	31	31	6.3	0.14	6.0
7	6.0	0.86	e1.5	e2.0	e4.0	12	28	53	28	6.2	0.29	20
8	2.2	0.64	e2.0	3.4	e5.0	13	46	53	24	6.6	0.55	18
9	1.3	0.53	2.7	7.1	e4.0	15	76	36	18	7.1	0.41	13
10	1.1	0.43	2.1	11	e4.0	16	80	27	17	6.8	0.21	7.9
11	0.80	0.44	2.3	4.9	4.3	17	70	26	17	7.0	0.18	6.0
12	0.62	e0.40	2.2	e3.0	4.4	17	61	24	19	6.3	53	5.0
13	0.56	e0.30	e1.5	e2.0	6.6	e15	77	18	22	5.7	35	4.5
14	0.48	e0.30	e1.0	e1.0	22	e13	72	12	19	5.0	15	3.7
15	0.46	1.2	e0.50	e2.0	20	e11	86	8.0	18	4.6	11	3.5
16	0.36	1.3	1.1	e4.0	19	e10	98	11	22	3.9	9.9	3.8
17	0.33	1.2	1.4	e6.0	22	e20	98	12	28	3.9	17	3.4
18	0.34	0.89	2.0	e7.0	25	e20	94	8.7	22	3.2	10	3.1
19	0.34	1.1	2.0	e8.0	30	e18	88	6.7	16	3.0	5.4	2.2
20	0.30	1.3	2.1	e10	27	23	91	41	12	2.6	4.8	1.7
21	0.28	3.5	e1.5	e10	25	23	88	40	9.8	2.2	4.4	1.3
22	0.28	5.2	e1.0	5.3	22	24	83	38	10	2.1	5.6	0.98
23	0.15	e3.5	e0.50	6.6	20	21	75	36	10	1.7	5.9	4.2
24	0.09	e4.5	e0.50	8.3	20	20	66	36	9.4	1.2	4.4	4.2
25	0.12	e6.0	e0.50	5.6	19	19	61	34	9.4	1.0	4.3	2.6
26	0.12	6.5	e1.0	5.0	16	19	18	32	9.7	4.0	3.4	1.6
27	0.16	4.8	e1.5	4.8	15	24	13	33	11	3.9	3.0	0.86
28	0.19	4.0	2.0	5.1	14	28	1.8	31	11	9.1	2.4	0.53
29	0.20	e1.0	2.1	5.9	---	36	0.98	31	9.5	3.9	3.3	0.64
30	0.16	e0.50	2.1	e4.0	---	39	53	37	8.5	3.2	3.5	0.92
31	0.16	---	2.1	e2.0	---	36	---	50	---	2.0	2.9	---
TOTAL	27.22	63.97	44.20	147.4	357.3	583	1,727.78	949.4	629.3	152.2	209.57	132.73
MEAN	0.88	2.13	1.43	4.75	12.8	18.8	57.6	30.6	21.0	4.91	6.76	4.42
MAX	7.8	7.9	2.7	11	30	39	98	53	58	9.3	53	20
MIN	0.09	0.10	0.50	1.0	1.0	10	0.98	6.7	8.5	1.0	0.14	0.53
AC-FT	54	127	88	292	709	1,160	3,430	1,880	1,250	302	416	263

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

	1.83	2.20	2.04	2.18	2.88	5.54	13.1	19.1	9.97	5.66	8.98	3.78
MAX (WY)	(1985)	(1998)	(1998)	(1998)	(1993)	(1997)	(1984)	(1993)	(1949)	(1949)	(1981)	(1989)
MIN (WY)	(1976)	(1946)	(1946)	(1946)	(1981)	(1986)	(1978)	(2002)	(1946)	(2003)	(2003)	(1946)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1945 - 2005	
ANNUAL TOTAL	1,393.73		5,024.07			
ANNUAL MEAN	3.81		13.8		6.69	
HIGHEST ANNUAL MEAN					17.8	
LOWEST ANNUAL MEAN					0.32	
HIGHEST DAILY MEAN	72	Aug 8	98	Apr 16	a217	Aug 27, 1946
LOWEST DAILY MEAN	0.00	Jan 1	0.09	Oct 24	0.00	May 16, 1945
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.15	Oct 23	0.00	May 16, 1945
MAXIMUM PEAK FLOW			102	Apr 16	375	May 30, 1995
MAXIMUM PEAK STAGE			3.38	Apr 16	5.15	May 30, 1995
INSTANTANEOUS LOW FLOW			0.02	Aug 7	0.00	May 16, 1945
ANNUAL RUNOFF (AC-FT)	2,760		9,970		4,850	
10 PERCENT EXCEEDS	8.4		36		17	
50 PERCENT EXCEEDS	0.28		5.3		1.3	
90 PERCENT EXCEEDS	0.00		0.47		0.00	

a From rating curve extended above 85 ft³/s.

e Estimated

07203000 VERMEJO RIVER NEAR DAWSON, NM

LOCATION.--Lat 36°40'54", long 104°47'12", Colfax County, Hydrologic Unit 11080001, in Maxwell Grant, on right bank 1.3 mi north of Dawson, 2.3 mi upstream from Rail Canyon, and at mile 28.2.

DRAINAGE AREA.--301 mi².

PERIOD OF RECORD.--October 1915 to July 1918, April 1919 to May 1923, March 1927 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: 1947, drainage area. WSP 1281: 1932(M), 1934(M), 1936-38(M), 1941-42(P), 1944-46(M).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,360 ft above NGVD of 1929, from topographic map. See WSP 1311 or 1731 for history of changes prior to Sept. 24, 1953. Sept. 24, 1953, to May 21, 2002, at site 200 ft downstream at same datum.

REMARKS.--Records good except for those estimated, which are poor. Diversions for irrigation of small acreage and mountain meadows upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred Aug. 2, 1921, when discharge probably exceeded 10,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	8.9	e8.8	6.6	e7.3	7.9	e20	62	133	30	8.3	8.2
2	10	9.2	e8.2	7.9	e7.0	7.9	22	77	116	31	7.3	12
3	10	9.1	e8.6	8.5	e7.8	7.9	27	86	109	29	6.6	13
4	9.7	9.0	e8.8	11	e7.2	e7.7	30	117	101	28	6.5	11
5	13	9.0	e9.0	e7.8	e8.4	8.2	31	205	96	26	23	11
6	21	8.8	e9.4	e8.4	9.5	8.1	e28	171	85	32	28	12
7	15	8.9	e8.6	e9.0	8.9	e7.8	27	195	78	29	35	13
8	13	8.6	7.2	e9.2	7.8	e7.6	29	150	73	24	26	40
9	11	8.7	8.7	11	e7.0	8.2	33	136	69	27	18	73
10	11	8.9	7.7	10	e6.0	8.0	36	138	66	27	13	39
11	12	8.4	e8.1	8.5	9.1	8.7	36	148	68	24	20	30
12	11	8.8	8.5	e9.8	10	8.9	e45	147	70	23	68	26
13	11	9.5	7.5	e7.0	11	e8.4	e50	138	62	23	49	23
14	12	9.6	e6.8	e6.0	11	e7.7	e60	133	55	21	96	21
15	11	8.8	e7.2	e6.8	10	e6.8	71	130	52	17	50	20
16	11	9.4	8.7	e7.2	11	e5.8	72	129	54	21	41	19
17	11	9.1	e9.0	e7.8	11	e9.0	99	139	46	22	45	17
18	10	8.8	10	e8.2	9.7	e11	88	150	43	21	29	16
19	11	9.0	e9.0	8.6	9.5	e12	e76	151	41	17	23	15
20	10	9.9	e9.6	9.0	9.8	12	e75	163	38	14	19	14
21	9.8	11	7.6	8.9	8.6	12	75	187	41	12	26	13
22	9.6	10	6.7	7.8	8.6	11	71	201	45	12	23	13
23	9.3	10	e6.2	8.0	9.3	11	71	211	42	12	16	19
24	9.0	10	e6.0	e9.0	9.1	12	77	209	41	14	17	17
25	9.2	8.7	e6.0	7.3	8.6	13	85	198	41	18	14	14
26	9.2	9.7	e7.0	6.7	e8.0	15	74	198	63	18	14	12
27	9.1	9.1	7.4	7.4	8.2	e11	65	192	66	20	12	12
28	9.2	8.4	e8.0	8.1	e7.8	e12	62	170	47	19	10	12
29	8.8	e7.0	8.5	7.1	---	21	60	156	41	15	11	14
30	8.7	e8.0	11	9.7	---	e20	64	157	36	11	11	14
31	8.8	---	7.4	7.6	---	21	---	142	---	9.2	8.4	---
TOTAL	334.2	272.3	251.2	255.9	247.2	328.6	1,659	4,786	1,918	646.2	774.1	573.2
MEAN	10.8	9.08	8.10	8.25	8.83	10.6	55.3	154	63.9	20.8	25.0	19.1
MAX	21	11	11	11	11	21	99	211	133	32	96	73
MIN	8.7	7.0	6.0	6.0	6.0	5.8	20	62	36	9.2	6.5	8.2
AC-FT	663	540	498	508	490	652	3,290	9,490	3,800	1,280	1,540	1,140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)

MEAN	8.86	6.91	5.77	5.62	6.36	6.82	21.6	52.8	35.6	29.0	40.7	18.1
MAX	51.6	30.5	25.5	16.6	16.7	34.8	370	372	179	138	178	109
(WY)	(1942)	(1942)	(1995)	(2000)	(1920)	(1987)	(1942)	(1941)	(1965)	(1919)	(1999)	(2002)
MIN	0.15	0.04	0.59	0.65	1.20	0.80	1.21	0.75	0.65	1.85	4.28	0.37
(WY)	(1952)	(1952)	(1952)	(1975)	(1952)	(1951)	(1955)	(2002)	(1946)	(1963)	(2003)	(1951)

ARKANSAS RIVER BASIN

07203000 VERMEJO RIVER NEAR DAWSON, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1916 - 2005	
ANNUAL TOTAL	8,413.4		12,045.9			
ANNUAL MEAN	23.0		33.0		19.5	
HIGHEST ANNUAL MEAN					89.0	1942
LOWEST ANNUAL MEAN					2.05	1951
HIGHEST DAILY MEAN	226	Aug 13	211	May 23	2,340	Apr 23, 1942
LOWEST DAILY MEAN	2.8	Feb 25	5.8	Mar 16	0.00	Nov 21, 1931
ANNUAL SEVEN-DAY MINIMUM	3.7	Feb 21	6.7	Dec 21	0.00	Nov 21, 1931
MAXIMUM PEAK FLOW			263	Aug 14	a12,600	Jun 17, 1965
MAXIMUM PEAK STAGE			4.55	Aug 14	15.25	Jun 17, 1965
INSTANTANEOUS LOW FLOW			3.3	Dec 13	0.00	Nov 21, 1931
ANNUAL RUNOFF (AC-FT)	16,690		23,890		14,140	
10 PERCENT EXCEEDS	61		87		44	
50 PERCENT EXCEEDS	10		12		7.8	
90 PERCENT EXCEEDS	5.2		7.7		1.8	

a From rating curve extended above 400 ft³/s, on basis of slope-area measurement of peak flow.

e Estimated

07204000 MORENO CREEK AT EAGLE NEST, NM

LOCATION.--Lat 36°33'14", long 105°16'04", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank 175 ft upstream from U.S. Highway 64, 250 ft northwest of intersection of U.S. Highway 64 and State Highway 38, and about 1,000 ft upstream from high-water line of Eagle Nest Lake at Eagle Nest.

DRAINAGE AREA.--73.8 mi².

PERIOD OF RECORD.--April 1928 to October 1955, June 1964 to current year (seasonal records except water year 1932). Monthly discharge only for some periods, published in WSP 1311. Records for December 1930 to March 1931, published in WSP 732, are unreliable and should not be used. Published as "near Therma," 1928-34.

REVISED RECORDS.--WSP 1281: 1931(M), 1932, 1935(M), 1939-41(M), 1946-47(M). WSP 1921: drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Concrete control since Oct. 3, 1952. Datum of gage is 8,197.39 ft above NGVD of 1929. See WSP 1921 for history of changes prior to Oct. 26, 1955. Oct. 26, 1955, to Nov. 12, 1974, water-stage recorder at site 160 ft downstream at datum 1.41 ft lower.

REMARKS.--Records fair. Diversions for irrigation of about 1,200 acres upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge during periods of seasonal operation, 240 ft³/s, Sept. 1, 1946, gage height, 3.10 ft, site and datum then in use; maximum gage height, 3.55 ft, May 12, 1973; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 110 ft³/s, at 1215 hours, May 7, gage height, 2.91 ft; minimum daily discharge, 0.00 ft³/s, many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	8.9	62	32	2.3	0.90	0.75
2	0.00	---	---	---	---	---	10	75	27	2.1	0.72	0.82
3	0.00	---	---	---	---	---	15	83	24	1.8	0.63	0.84
4	0.00	---	---	---	---	---	20	82	21	1.7	0.62	0.81
5	0.36	---	---	---	---	---	22	95	18	1.6	0.76	0.82
6	1.4	---	---	---	---	---	20	99	16	1.6	1.3	0.80
7	---	---	---	---	---	---	27	105	12	1.4	1.5	1.0
8	---	---	---	---	---	---	36	102	9.7	1.3	1.3	2.4
9	---	---	---	---	---	4.7	33	98	9.3	1.3	1.1	1.5
10	---	---	---	---	---	6.8	36	99	8.8	1.2	0.93	1.2
11	---	---	---	---	---	e9.3	32	103	8.7	0.99	0.86	0.93
12	---	---	---	---	---	12	28	102	12	0.96	3.7	0.79
13	---	---	---	---	---	14	30	95	9.5	1.3	4.8	0.66
14	---	---	---	---	---	11	41	90	6.8	1.1	4.5	0.63
15	---	---	---	---	---	e8.5	52	93	5.9	0.90	3.8	0.56
16	---	---	---	---	---	e7.5	54	88	6.0	0.89	3.3	0.49
17	---	---	---	---	---	e7.0	71	88	5.2	0.84	2.6	0.44
18	---	---	---	---	---	e6.5	74	87	4.5	1.0	2.2	0.35
19	---	---	---	---	---	5.5	78	81	3.8	1.3	2.0	0.34
20	---	---	---	---	---	5.7	81	79	3.4	1.1	2.0	0.35
21	---	---	---	---	---	7.4	81	81	3.6	1.2	2.0	0.32
22	---	---	---	---	---	7.7	79	78	6.5	0.98	1.7	0.33
23	---	---	---	---	---	8.7	76	74	4.3	1.2	1.6	0.51
24	---	---	---	---	---	8.2	87	68	3.5	1.7	1.6	0.46
25	---	---	---	---	---	8.1	88	61	3.7	1.6	1.4	0.42
26	---	---	---	---	---	7.5	82	58	6.4	1.5	1.2	0.51
27	---	---	---	---	---	7.3	72	52	5.1	1.4	1.1	0.50
28	---	---	---	---	---	9.4	64	50	3.8	1.9	1.1	1.0
29	---	---	---	---	---	10	63	44	3.2	1.8	1.1	2.8
30	---	---	---	---	---	8.9	64	48	2.6	1.4	0.96	3.4
31	---	---	---	---	---	7.7	---	37	---	1.2	0.75	---
TOTAL	---	---	---	---	---	---	1,524.9	2,457	286.3	42.56	54.03	26.73
MEAN	---	---	---	---	---	---	50.8	79.3	9.54	1.37	1.74	0.89
MAX	---	---	---	---	---	---	88	105	32	2.3	4.8	3.4
MIN	---	---	---	---	---	---	8.9	37	2.6	0.84	0.62	0.32
AC-FT	---	---	---	---	---	---	3,020	4,870	568	84	107	53

e Estimated

ARKANSAS RIVER BASIN

07204500 CIENEGUILLA CREEK NEAR EAGLE NEST, NM

LOCATION.--Lat 36°29'07", long 105°15'54", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank 0.1 mi downstream from Schoolhouse Draw, 0.4 mi upstream from high-water line of Eagle Nest Lake, 0.5 mi east of U.S. Highway 64, and 4.7 mi south of Eagle Nest.

DRAINAGE AREA.--56 mi².

PERIOD OF RECORD.--April 1928 to September 1955, June 1964 to current year (seasonal records except in water years 1932, 1948, and 1951). Monthly discharge only for some periods, published in WSP 1311 and 1731. Records for December 1930 to March 1931, published in WSP 732, are unreliable and should not be used. Published as "near Therma," 1928-34.

REVISED RECORDS.--WSP 957: 1941. WSP 1281: drainage area. WSP 1311: 1932(M), 1935(M), 1937(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Concrete control since Sept. 25, 1947. Elevation of gage is 8,200 ft above NGVD of 1929, from topographic map. Prior to May 8, 1928, nonrecording gage, and May 8, 1928, to Sept. 1, 1934, water-stage recorder at site 0.2 mi downstream at different datums.

REMARKS.--Records fair. Diversions for irrigation of about 1,000 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge during periods of seasonal operation, 505 ft³/s, June 16, 1965, gage height, 5.63 ft, and Mar. 19, 1994, from rating curve extended above 110 ft³/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 224 ft³/s, Apr. 21, gage height, 5.06 ft; minimum daily discharge, 0.03 ft³/s, Sept. 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	---	---	---	---	---	11	81	19	3.5	1.8	1.6
2	1.5	---	---	---	---	---	12	107	16	3.4	1.7	1.8
3	1.5	---	---	---	---	---	19	127	15	3.1	1.7	1.7
4	1.5	---	---	---	---	---	28	120	13	2.8	1.7	1.6
5	2.7	---	---	---	---	---	33	118	12	2.8	2.9	1.5
6	---	---	---	---	---	---	26	119	11	2.9	3.7	1.5
7	---	---	---	---	---	---	40	123	10	2.7	5.4	3.3
8	---	---	---	---	---	10	52	113	9.1	2.3	3.6	2.5
9	---	---	---	---	---	10	46	105	8.3	2.2	2.5	2.5
10	---	---	---	---	---	12	44	104	8.1	2.1	2.3	2.1
11	---	---	---	---	---	18	32	104	8.3	2.0	2.2	1.8
12	---	---	---	---	---	21	31	95	10	2.1	5.5	1.5
13	---	---	---	---	---	21	36	84	8.7	2.6	9.3	1.4
14	---	---	---	---	---	e12	47	77	7.3	2.5	7.6	1.3
15	---	---	---	---	---	e10	64	83	6.4	2.0	4.9	1.3
16	---	---	---	---	---	e8.8	72	75	5.7	2.5	3.9	1.3
17	---	---	---	---	---	e8.1	106	69	5.4	3.3	3.4	1.2
18	---	---	---	---	---	e8.3	115	63	4.9	3.1	2.8	1.1
19	---	---	---	---	---	7.8	143	56	4.5	3.3	2.5	1.1
20	---	---	---	---	---	e7.6	154	51	4.2	2.9	2.5	1.1
21	---	---	---	---	---	e9.3	183	49	4.7	2.5	2.5	1.1
22	---	---	---	---	---	15	146	44	6.9	2.5	2.4	1.2
23	---	---	---	---	---	12	138	39	5.4	2.6	2.2	1.6
24	---	---	---	---	---	11	143	35	4.3	5.6	2.2	1.6
25	---	---	---	---	---	10	116	31	4.4	3.7	2.0	1.3
26	---	---	---	---	---	9.9	114	32	8.1	3.2	1.8	1.2
27	---	---	---	---	---	9.4	109	30	7.0	3.1	1.7	1.0
28	---	---	---	---	---	12	97	30	5.1	2.8	1.7	2.4
29	---	---	---	---	---	13	91	25	4.5	2.7	2.0	7.7
30	---	---	---	---	---	11	91	26	3.8	2.2	1.9	9.0
31	---	---	---	---	---	9.8	---	22	---	1.9	1.6	---
TOTAL	---	---	---	---	---	---	2,339	2,237	241.1	86.9	93.9	61.3
MEAN	---	---	---	---	---	---	78.0	72.2	8.04	2.80	3.03	2.04
MAX	---	---	---	---	---	---	183	127	19	5.6	9.3	9.0
MIN	---	---	---	---	---	---	11	22	3.8	1.9	1.6	1.0
AC-FT	---	---	---	---	---	---	4,640	4,440	478	172	186	122

e Estimated

07205000 SIXMILE CREEK NEAR EAGLE NEST, NM

LOCATION.--Lat 36°31'07", long 105°16'29", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on left upstream wingwall of concrete control, 250 ft downstream from concrete box culvert on U.S. Highway 64, and 2.6 mi southwest of Eagle Nest.

DRAINAGE AREA.--10.5 mi².

PERIOD OF RECORD.--April 1928 to September 1955 (seasonal records in water years 1929-31, 1933-55), July 1958 to current year (seasonal records subsequent to water year 1975). Prior to October 1930, monthly discharge only, published in WSP 1311. Records for December 1930 to March 1931, published in WSP 732, are unreliable and should not be used. Published as "near Therma," 1928-34.

REVISED RECORDS.--WSP 1311: 1932-33(M), 1935(M), 1943(M). WSP 1681: 1937(M). WSP 1921: drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Concrete control Sept. 11, 1931, to May 1933, and since Sept. 13, 1934. Datum of gage is 8,195.16 ft above NGVD of 1929. Prior to May 18, 1928, nonrecording gage at site 88 ft upstream at datum 0.98 ft higher. May 18, 1928, to Sept. 11, 1938, water-stage recorder at site 88 ft upstream at datum 0.43 ft higher.

REMARKS.--Records fair. Diversions for irrigation of about 300 acres upstream from station. Several observations of water temperature were made during the year.

AVERAGE DISCHARGE.--18 years (water years 1932, 1959-75), 2.51 ft³/s, 1,820 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD (1930-55 and since 1957).--Maximum discharge, 128 ft³/s, Aug. 5, 1969, gage height, 2.86 ft, from rating curve extended above 32 ft³/s; maximum gage height recorded, 3.38 ft, Apr. 2, 1937 (ice jam), site and datum then in use; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during periods of seasonal operation, 26 ft³/s, May 11, gage height, 1.35 ft; minimum daily discharge, 0 ft³/s, many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	0.00	0.00	2.9	14	13	1.1	0.17	0.21
2	e0.00	---	---	---	0.00	0.00	2.4	18	12	1.1	0.15	0.32
3	e0.10	---	---	---	0.00	0.00	3.0	18	12	0.95	0.15	0.41
4	e0.10	---	---	---	0.00	0.00	4.1	18	11	0.91	0.81	0.33
5	e1.6	---	---	---	0.00	0.00	4.7	18	9.1	0.88	1.1	0.30
6	---	---	---	---	0.00	0.00	5.6	20	7.4	0.86	0.91	0.61
7	---	---	---	---	0.00	0.00	8.8	23	6.6	0.83	0.99	2.2
8	---	---	---	---	0.00	e2.4	11	22	6.0	0.73	0.51	2.2
9	---	---	---	---	0.00	3.4	8.8	22	5.6	0.66	0.37	2.0
10	---	---	---	---	0.00	3.8	8.3	23	5.4	0.60	0.35	1.9
11	---	---	---	---	0.00	4.7	5.4	25	5.2	0.54	0.34	1.8
12	---	---	---	---	0.00	e4.5	4.6	24	6.6	0.49	2.9	1.8
13	---	---	---	---	0.00	e3.8	4.5	22	4.9	0.54	1.5	1.7
14	---	---	---	---	0.00	e3.5	8.3	21	4.4	0.40	2.3	1.7
15	---	---	---	---	0.00	e3.2	17	23	3.3	0.34	0.81	1.7
16	---	---	---	---	0.00	e2.8	20	23	1.9	0.34	0.80	1.6
17	---	---	---	---	0.00	e2.4	22	23	1.7	0.57	0.51	1.5
18	---	---	---	---	0.00	e2.2	19	23	1.7	1.0	0.35	1.5
19	---	---	---	---	0.00	e2.0	20	21	1.7	0.78	0.33	1.5
20	---	---	---	---	0.00	1.8	20	20	1.7	0.38	0.35	1.5
21	---	---	---	---	0.00	2.2	19	20	4.4	0.31	0.42	1.5
22	---	---	---	---	0.00	2.4	18	20	4.3	0.24	0.40	1.6
23	---	---	---	---	0.00	2.8	19	19	2.2	0.54	0.39	2.2
24	---	---	---	---	0.00	2.4	21	19	2.2	0.53	0.38	1.8
25	---	---	---	---	0.00	2.5	19	19	2.8	0.37	0.34	1.6
26	---	---	---	---	0.00	2.1	16	18	3.7	0.35	0.30	1.6
27	---	---	---	---	0.00	2.7	13	17	2.6	0.32	0.28	1.6
28	---	---	---	0.00	0.00	3.7	12	16	2.1	0.31	0.29	2.6
29	---	---	---	0.00	---	2.8	13	15	1.9	0.30	0.32	4.5
30	---	---	---	0.00	---	2.3	13	15	1.6	0.23	0.26	3.5
31	---	---	---	0.00	---	1.9	---	14	---	0.20	0.21	---
TOTAL	---	---	---	---	0.00	68.30	363.4	613	149.0	17.70	19.29	49.28
MEAN	---	---	---	---	0.00	2.20	12.1	19.8	4.97	0.57	0.62	1.64
MAX	---	---	---	---	0.00	4.7	22	25	13	1.1	2.9	4.5
MIN	---	---	---	---	0.00	0.00	2.4	14	1.6	0.20	0.15	0.21
AC-FT	---	---	---	---	0.00	135	721	1,220	296	35	38	98

e Estimated

07206000 CIMARRON RIVER BELOW EAGLE NEST DAM, NM

LOCATION.--Lat 36°31'56", long 105°13'39", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on left bank 300 ft downstream from Eagle Nest Dam, 2.5 mi southeast of Eagle Nest, 6.7 mi west of Ute Park, and at mile 48.6.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--May 1950 to current year. Published as "Cimarron Creek," October 1952 to September 1965.

REVISED RECORDS.--WSP 1281: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Parshall flume since May 15, 1951. Elevation of gage is 8,080 ft above NGVD of 1929, from topographic map. Prior to May 15, 1951, at datum 0.81 ft higher.

REMARKS.--Records fair except for those estimated, which are poor. Flow regulated by Eagle Nest Lake (station 07205500) 300 ft upstream. Diversions for irrigation of about 2,500 acres upstream from station. No flow at times most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	3.6	0.27	0.00	0.00	0.00	0.00	e0.00	0.00	22	34	14
2	0.86	3.6	0.27	0.00	0.00	0.00	0.00	e0.00	0.00	21	34	14
3	0.85	2.3	e0.00	0.00	0.00	0.00	0.00	e0.00	0.00	22	34	15
4	0.70	0.40	e0.00	0.00	0.00	0.00	0.00	e0.00	0.00	22	43	16
5	0.82	0.36	e0.00	0.00	0.00	0.00	0.00	e0.00	0.00	34	47	16
6	0.86	0.30	e0.00	0.00	0.00	0.00	0.00	e0.00	2.3	40	47	15
7	0.81	0.29	e0.00	0.00	0.00	0.00	0.00	e0.00	4.0	41	47	15
8	0.78	0.27	e0.00	0.00	0.00	0.00	0.00	e0.00	3.9	41	40	15
9	0.71	0.26	e0.00	0.00	0.00	0.00	0.00	e0.00	4.0	40	37	15
10	0.85	0.20	e0.00	0.00	0.00	0.00	0.00	e0.00	4.4	40	37	15
11	0.86	0.19	e0.00	0.00	0.00	0.00	0.00	e2.5	6.2	40	37	15
12	8.7	0.19	e0.00	0.00	0.00	0.00	0.00	3.7	5.0	40	37	15
13	22	0.12	0.00	0.00	0.00	0.00	0.00	3.6	3.9	41	25	15
14	22	0.11	0.00	0.00	0.00	0.00	0.00	3.2	5.2	41	18	15
15	22	0.11	0.00	0.00	0.00	0.00	0.00	3.4	6.2	44	18	15
16	22	0.11	0.00	0.00	0.00	0.00	0.00	4.4	5.9	45	18	15
17	22	0.11	0.00	0.00	0.00	0.00	0.00	2.1	5.6	45	18	14
18	22	0.11	0.00	0.00	0.00	0.00	0.00	1.7	5.0	45	20	14
19	22	0.11	0.00	0.00	0.00	0.00	0.00	5.5	5.3	45	22	16
20	22	0.09	0.00	0.00	0.00	0.00	0.00	5.2	5.8	45	22	16
21	26	0.05	0.00	0.00	0.00	0.00	0.00	5.2	e5.9	39	22	16
22	31	0.05	0.00	0.00	0.00	0.00	0.00	5.2	e8.0	37	22	16
23	31	0.06	0.00	0.00	0.00	0.00	0.00	6.0	8.5	37	28	16
24	31	0.05	0.00	0.00	0.00	0.00	0.00	6.4	8.5	37	32	16
25	31	0.06	0.00	0.00	0.00	0.00	e7.0	6.3	13	37	32	16
26	32	0.06	0.00	0.00	0.00	0.00	e8.1	6.3	17	31	32	13
27	32	0.06	0.00	0.00	0.00	0.00	e8.1	6.3	14	28	32	11
28	21	0.06	0.00	0.00	0.00	0.00	e8.1	6.6	12	25	31	11
29	2.7	0.10	0.00	0.00	---	0.00	e8.1	4.8	12	18	24	11
30	3.5	0.18	0.00	0.00	---	0.00	e6.0	0.03	18	18	22	11
31	3.7	---	0.00	0.00	---	0.00	---	0.01	---	29	17	---
TOTAL	438.63	13.56	0.54	0.00	0.00	0.00	45.40	88.44	189.60	1,090	929	437
MEAN	14.1	0.45	0.02	0.00	0.00	0.00	1.51	2.85	6.32	35.2	30.0	14.6
MAX	32	3.6	0.27	0.00	0.00	0.00	8.1	6.6	18	45	47	16
MIN	0.70	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	17	11
AC-FT	870	27	1.1	0.00	0.00	0.00	90	175	376	2,160	1,840	867

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

MEAN	15.7	5.22	1.36	0.88	2.23	8.73	22.1	34.1	31.3	36.6	23.1	16.9
MAX	50.3	25.9	20.4	19.1	47.0	146	171	212	112	73.3	85.6	51.3
(WY)	(1976)	(1982)	(1986)	(1992)	(1992)	(1987)	(1994)	(1994)	(1994)	(1950)	(1995)	(1968)
MIN	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.74	2.66	7.15	0.74	0.08
(WY)	(1957)	(1960)	(1956)	(1956)	(1956)	(1960)	(1957)	(1957)	(1986)	(1956)	(1954)	(1981)

07206000 CIMARRON RIVER BELOW EAGLE NEST DAM, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1950 - 2005	
ANNUAL TOTAL	2,781.50		3,232.17			
ANNUAL MEAN	7.60		8.86		16.4	
HIGHEST ANNUAL MEAN					56.5	1994
LOWEST ANNUAL MEAN					5.85	1955
HIGHEST DAILY MEAN	32	Oct 26	47	Aug 5	303	May 24, 1994
LOWEST DAILY MEAN	0.00	Jan 5	0.00	Dec 3	0.00	May 1, 1950
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 5	0.00	Dec 3	0.00	May 1, 1950
MAXIMUM PEAK FLOW			47	Aug 4	307	May 24, 1994
MAXIMUM PEAK STAGE			1.24	Aug 4	3.62	May 24, 1994
INSTANTANEOUS LOW FLOW			0.00	Dec 3	0.00	May 1, 1950
ANNUAL RUNOFF (AC-FT)	5,520		6,410		11,880	
10 PERCENT EXCEEDS	25		32		44	
50 PERCENT EXCEEDS	0.47		0.27		6.3	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

ARKANSAS RIVER BASIN

07207000 CIMARRON RIVER NEAR CIMARRON, NM

LOCATION.--Lat 36°31'11", long 104°58'43", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank 1,200 ft downstream from Turkey Creek Canyon, and 3.6 mi west of Cimarron.

DRAINAGE AREA.--294 mi².

PERIOD OF RECORD.--May 1950 to current year. Published as "Cimarron Creek," October 1952 to September 1965.

REVISED RECORDS.--WSP 1281: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Nov. 6, 1963. Datum of gage is 6,599.58 ft above NGVD of 1929.

REMARKS.--Records good except for those estimated, which are poor. Flow regulated by Eagle Nest Lake (station 07205500). Diversions upstream from station for irrigation of about 3,500 acres, part of which is downstream from station. Philmont ditch (formerly known as Cimarroncito ditch) diverts from left bank 1.5 mi upstream from station, siphons under river 0.9 mi upstream, and bypasses station for off-channel storage and irrigation downstream; Raton diversion pipeline 300 ft upstream from station for City of Raton water supply started June 1983. See tabulation below for monthly diversions. No flow at times.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	13	e8.0	10	e2.0	5.1	8.5	38	53	27	25	e16
2	3.9	11	e5.0	9.8	e2.0	e4.4	7.7	37	48	26	25	15
3	4.1	15	e4.0	8.4	e3.0	4.5	7.5	40	44	24	26	15
4	4.2	10	e5.0	5.5	e2.0	5.0	8.8	51	40	24	31	16
5	6.2	8.6	e6.0	e3.0	e6.1	4.0	10	67	38	28	42	16
6	7.3	8.1	e7.0	e2.0	e7.0	3.7	10	74	36	41	44	16
7	4.9	7.7	e8.0	e3.0	e6.0	3.4	9.8	79	36	42	44	17
8	4.7	7.3	e9.0	e5.0	e5.0	3.4	12	78	32	42	40	17
9	5.8	7.3	11	e8.0	e3.0	3.7	15	74	31	43	32	17
10	5.3	7.1	7.1	6.1	e4.0	3.4	18	76	31	43	33	14
11	e4.1	6.9	8.0	e6.0	e4.1	3.5	17	83	31	43	35	14
12	3.5	6.7	5.2	e4.0	4.3	3.8	16	86	33	46	50	14
13	14	7.1	5.0	e3.0	4.6	4.6	15	80	29	46	44	14
14	21	6.6	e4.0	e4.0	4.2	e5.0	18	76	26	40	e32	14
15	21	6.5	e5.0	e5.0	4.0	e4.0	24	76	26	39	28	14
16	22	7.2	e4.0	e6.0	4.4	e3.0	29	77	25	42	27	14
17	23	6.9	e3.0	e7.0	4.2	e8.0	39	82	24	43	23	13
18	23	6.7	e6.0	e8.0	3.8	e6.0	43	87	23	45	22	12
19	23	6.7	e9.0	e8.0	4.0	7.5	48	91	21	44	23	12
20	23	7.2	e12	7.0	4.2	8.6	51	93	20	43	24	14
21	23	7.5	e8.0	3.4	4.0	8.9	51	98	21	40	24	14
22	30	6.3	e4.0	3.6	4.0	8.5	49	103	23	34	24	14
23	31	6.1	e3.0	e4.0	4.2	9.4	49	105	22	33	25	14
24	32	5.9	e2.0	e4.0	4.1	9.0	54	104	20	34	31	13
25	32	7.0	e4.0	3.3	3.7	8.6	55	100	21	34	28	12
26	33	6.4	e5.0	3.4	4.9	8.3	56	94	29	33	28	12
27	34	7.4	e6.0	3.4	4.9	9.4	50	90	28	26	29	8.7
28	35	6.3	e8.0	e3.3	4.8	11	47	84	22	25	28	9.7
29	17	e3.0	e10	3.5	---	10	46	75	20	18	24	14
30	11	e5.0	e11	e3.0	---	9.0	45	65	20	14	19	12
31	11	---	10	e2.4	---	8.1	---	57	---	15	19	---
TOTAL	517.4	224.5	202.3	156.1	116.5	194.8	909.3	2,420	873	1,077	929	417.4
MEAN	16.7	7.48	6.53	5.04	4.16	6.28	30.3	78.1	29.1	34.7	30.0	13.9
MAX	35	15	12	10	7.0	11	56	105	53	46	50	17
MIN	3.5	3.0	2.0	2.0	2.0	3.0	7.5	37	20	14	19	8.7
AC-FT	1,030	445	401	310	231	386	1,800	4,800	1,730	2,140	1,840	828
(+)	0	0	0	0	0	0	0	0	0	206	206	0
(++)	123	0	0	0	0	0	0	0	0	122	141	152

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	17.3	9.78	5.30	4.32	4.98	12.0	35.2	64.9	47.8	37.8	27.7	19.2
MAX	44.9	26.7	18.5	18.5	43.7	149	237	329	158	79.5	81.0	50.4
(WY)	(1976)	(1982)	(1995)	(1992)	(1992)	(1987)	(1994)	(1994)	(1994)	(1995)	(1995)	(1968)
MIN	0.14	1.80	1.32	1.13	1.11	1.56	2.70	23.5	8.55	6.13	1.95	0.12
(WY)	(1957)	(1993)	(1957)	(1957)	(1997)	(2002)	(1955)	(1957)	(1956)	(1956)	(1954)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1950 - 2005

ANNUAL TOTAL	5,936.32	8,037.3										
ANNUAL MEAN	16.2	22.0								23.8		
HIGHEST ANNUAL MEAN										80.7		1994
LOWEST ANNUAL MEAN										9.09		1956
HIGHEST DAILY MEAN	85	Apr 30					105	May 23		1,240		Jun 17, 1965
LOWEST DAILY MEAN	0.30	Feb 12					2.0	Dec 24		0.00		Sep 14, 1956
ANNUAL SEVEN-DAY MINIMUM	0.76	Feb 6					2.6	Jan 29		0.00		Sep 14, 1956
MAXIMUM PEAK FLOW							107	May 23		a15,500		Jun 17, 1965
MAXIMUM PEAK STAGE							1.90	May 23		b12.42		Jun 17, 1965
INSTANTANEOUS LOW FLOW							0.28	Oct 3		0.00		Sep 14, 1956
ANNUAL RUNOFF (AC-FT)	11,770						15,940			17,240		
10 PERCENT EXCEEDS	38						49			54		
50 PERCENT EXCEEDS	12						14			14		
90 PERCENT EXCEEDS	2.0						4.0			2.7		

a From rating curve extended above 800 ft³/s, on basis of slope-area measurement at gage heights 4.88 ft and 12.4 ft.

b From floodmarks.

(+)Diversion, in acre-feet, by Philmont Ditch; data provided by Cimarron River Watermaster.

(++)Diversion, in acre-feet, by Raton Diversion; data provided by City of Raton.

e Estimated

07207500 PONIL CREEK NEAR CIMARRON, NM

LOCATION.--Lat 36°34'26", long 104°56'46", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on left bank 1.6 mi downstream from confluence of North and South Ponil Creeks, and 4.7 mi northwest of Cimarron.

DRAINAGE AREA.--171 mi².

PERIOD OF RECORD.--November 1915 to June 1919, August 1919 to July 1925, September 1925, September 1927 to July 1929, May 1950 to current year. Prior to May 1950 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1281: drainage area. WSP 1731: 1920.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,630 ft above NGVD of 1929, from topographic map. Prior to May 8, 1922, at site 0.1 mi downstream at different datum. May 8, 1922, to Aug. 8, 1929, at site 0.4 mi upstream at different datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of about 250 acres upstream from station. Diversion 1,000 ft downstream from station for irrigation of about 300 acres. No flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge for flood of Aug. 8, 1929, which destroyed gage, was estimated as 5,200 ft³/s by New Mexico State Engineer.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.8	4.7	e2.6	e3.3	4.5	10	67	45	7.5	3.1	8.6
2	4.9	4.6	4.8	e3.2	e3.1	4.5	11	70	39	7.2	2.7	10
3	4.7	4.2	4.9	e2.4	e2.9	4.4	14	70	36	6.6	2.5	8.6
4	5.4	4.5	5.2	e1.3	e2.8	4.2	19	76	33	6.1	19	8.0
5	33	4.4	4.7	e1.7	e3.4	4.6	24	146	30	6.2	25	9.5
6	17	4.4	4.1	e1.9	e4.3	4.7	22	227	27	6.2	20	16
7	9.1	4.5	4.2	e2.1	e3.8	4.6	26	263	25	5.6	11	13
8	7.8	4.4	4.3	e2.6	e3.3	4.7	39	218	23	5.3	7.6	11
9	6.9	4.5	e4.8	e1.9	e3.0	4.6	44	177	21	5.2	6.0	13
10	6.6	4.5	e4.1	e1.4	e2.6	5.3	46	167	21	5.2	5.3	11
11	6.3	4.4	e4.4	e1.3	e3.5	5.7	41	174	20	4.6	72	8.8
12	6.2	4.6	e3.6	e2.0	4.0	7.2	36	164	22	7.5	82	7.6
13	6.5	4.9	e3.2	e1.4	4.2	e7.5	35	140	20	6.4	31	6.9
14	6.9	4.8	3.4	e1.0	4.2	e6.7	46	121	18	5.6	203	6.5
15	6.2	4.7	e4.0	e1.9	4.4	e6.0	66	109	17	16	62	6.3
16	6.2	4.8	e3.7	e2.0	4.8	e7.2	79	102	16	13	61	5.8
17	6.1	4.6	e3.3	e2.4	4.7	e8.4	112	107	14	7.4	45	5.4
18	6.1	4.6	e3.6	e2.6	e4.4	8.7	114	115	13	6.5	37	4.9
19	6.0	4.6	e3.0	e3.1	4.9	7.9	126	110	12	5.6	30	4.7
20	5.9	4.9	e3.3	e3.5	4.7	8.1	125	109	11	4.7	25	4.5
21	5.6	5.1	e2.7	e3.4	4.5	8.2	121	111	11	4.1	24	4.2
22	5.4	4.7	e2.4	e2.6	4.9	7.9	108	106	12	3.6	21	4.1
23	5.5	5.2	e2.1	e2.7	5.1	8.7	103	101	11	3.3	18	5.4
24	5.4	4.8	e2.0	e3.4	4.7	9.1	113	91	9.6	5.0	16	4.7
25	5.3	4.8	e2.1	e2.5	4.7	9.8	106	84	11	5.4	14	4.0
26	5.3	5.0	e2.6	e2.2	4.5	10	91	79	13	9.4	13	3.6
27	5.2	4.6	e3.3	e2.4	4.6	9.0	83	74	12	8.1	12	3.5
28	5.1	5.0	e4.0	e3.5	4.4	11	74	65	9.5	5.5	11	3.8
29	5.0	4.5	e4.4	e3.0	---	13	71	58	8.8	4.9	11	5.5
30	5.0	4.3	e4.7	e3.3	---	12	70	57	7.9	4.1	9.5	5.7
31	4.9	---	e3.4	e3.5	---	11	---	51	---	3.5	8.6	---
TOTAL	219.9	139.7	115.0	74.8	113.7	229.2	1,975	3,609	568.8	195.3	908.3	214.6
MEAN	7.09	4.66	3.71	2.41	4.06	7.39	65.8	116	19.0	6.30	29.3	7.15
MAX	33	5.2	5.2	3.5	5.1	13	126	263	45	16	203	16
MIN	4.4	4.2	2.0	1.0	2.6	4.2	10	51	7.9	3.3	2.5	3.5
AC-FT	436	277	228	148	226	455	3,920	7,160	1,130	387	1,800	426

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)

MEAN	3.63	3.26	2.38	2.12	2.29	5.16	26.3	50.8	18.0	7.42	15.1	5.51
MAX	23.2	12.3	8.80	8.04	7.35	25.5	126	324	122	31.9	159	51.7
(WY)	(1961)	(1920)	(1920)	(1920)	(1987)	(1987)	(1924)	(1999)	(1979)	(1921)	(1991)	(1991)
MIN	0.00	0.00	0.13	0.03	0.14	0.33	1.94	0.38	0.18	0.00	0.31	0.00
(WY)	(1952)	(1952)	(1957)	(1957)	(1957)	(1955)	(1925)	(2002)	(1963)	(1964)	(1974)	(1951)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1916 - 2005

ANNUAL TOTAL	8,188.40	8,363.3		
ANNUAL MEAN	22.4	22.9		
HIGHEST ANNUAL MEAN			40.9	1999
LOWEST ANNUAL MEAN			1.38	1974
HIGHEST DAILY MEAN	587	Aug 19	263	May 7
LOWEST DAILY MEAN	0.50	Feb 13	1.0	Jan 14
ANNUAL SEVEN-DAY MINIMUM	0.81	Feb 20	1.6	Jan 9
MAXIMUM PEAK FLOW			1,690	Aug 14
MAXIMUM PEAK STAGE			5.94	Aug 14
INSTANTANEOUS LOW FLOW				11.13
ANNUAL RUNOFF (AC-FT)	16,240	16,590	8,680	Jun 23, 1951
10 PERCENT EXCEEDS	64	77	28	
50 PERCENT EXCEEDS	5.3	5.9	3.1	
90 PERCENT EXCEEDS	2.0	3.1	0.43	

e Estimated

07208500 RAYADO CREEK NEAR CIMARRON, NM

LOCATION.--Lat 36°22'21", long 104°58'08", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank 2.5 mi upstream from State Highway 21, 4.0 mi downstream from Bonito Creek, and 9.8 mi southwest of Cimarron.

DRAINAGE AREA.--65 mi².

PERIOD OF RECORD.--January 1909 to February 1910, June to August 1910, May 1911 to May 1913, July 1913 to February 1915, October 1915 to September 1918, March 1919 to September 1920, June 1923 to September 1924, March to May 1927, August 1927 to current year. Monthly discharge only for some periods, published in WSP 1311. Records for April and May 1910, published in WSP 287, are unreliable and should not be used. Published as Rayado River "at," "near," or "above" Abreus Ranch near Cimarron prior to October 1925 and as "Rayado River at Sauble Ranch, near Cimarron," October 1925 to September 1952. From September 1952 to September 1997, published as "Rayado Creek at Sauble Ranch near Cimarron."

REVISED RECORDS.--WSP 1281: 1914, 1934-35(M), 1937(M), 1941(P), 1942(M), 1944(M), drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Oct. 13, 1976. Elevation of gage is 6,720 ft above NGVD of 1929, from topographic map. See WSP 1921 for history of changes prior to Oct. 1, 1954. Oct. 1, 1954, to June 16, 1965, at site 270 ft downstream at datum 2.79 ft lower.

REMARKS.--Records fair except for those estimated, which are poor. No diversion upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The major flood of June 10, 1913, destroyed the gage (stage and discharge not determined). Another major flood probably occurred Sept. 29 or 30, 1904.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.1	e1.7	e2.5	e2.1	8.6	17	73	47	12	6.5	5.3
2	4.1	2.9	e1.9	e2.7	e2.0	7.3	15	74	43	12	6.2	5.7
3	3.9	5.5	e1.8	e2.8	e2.0	6.3	20	74	40	11	6.0	5.7
4	3.9	5.1	e2.5	e3.4	e2.1	8.1	26	75	37	11	6.1	5.3
5	8.0	4.7	e2.9	e3.5	e2.5	6.7	31	88	36	11	9.5	4.8
6	9.3	4.6	e3.0	e3.0	e2.5	6.3	30	90	34	11	9.7	4.8
7	6.3	4.4	4.6	e3.0	e2.3	6.4	35	103	31	10	9.4	5.2
8	5.6	e4.1	4.2	e3.0	e2.6	6.8	46	100	29	9.9	7.7	7.6
9	5.1	e3.6	4.3	e2.9	e2.6	7.2	50	99	27	10	6.9	8.3
10	4.9	e3.6	4.4	e2.8	e3.0	8.5	55	100	28	9.1	7.1	6.1
11	4.9	e3.5	4.4	e2.9	5.3	9.9	49	103	27	8.8	7.5	5.4
12	5.1	e3.4	4.5	e2.8	5.9	12	45	103	31	9.1	17	5.0
13	5.6	e3.4	e4.0	e2.5	6.0	e8.0	48	99	25	10	22	4.7
14	5.7	e3.5	e2.0	e3.0	6.0	e5.0	65	97	24	9.1	16	4.7
15	6.5	5.4	e3.5	e3.5	6.3	e4.5	81	103	23	9.2	14	4.7
16	5.6	e5.1	e4.0	e4.0	e6.0	e4.7	83	95	22	9.3	12	4.5
17	5.0	5.2	e4.0	e4.5	e6.0	9.6	92	94	20	8.8	10	4.3
18	5.6	4.9	3.8	6.8	e6.5	e13	104	95	19	9.7	8.8	3.9
19	5.1	4.8	3.3	4.7	7.7	13	125	94	17	8.7	8.3	3.9
20	4.9	5.0	e3.4	4.8	7.5	12	126	95	17	7.9	8.0	3.9
21	4.7	4.9	e2.9	5.2	7.3	13	118	97	17	7.9	8.4	3.9
22	4.7	4.9	e2.7	5.3	7.6	13	106	94	19	7.3	8.1	3.7
23	4.8	3.6	e2.7	6.9	7.7	14	106	91	16	7.0	7.2	4.9
24	4.7	3.4	e2.7	6.3	7.5	14	109	85	15	7.6	7.1	4.5
25	4.7	e4.1	e2.7	5.9	6.7	14	99	79	16	7.2	6.6	3.9
26	4.8	e4.5	e2.7	5.8	e6.0	13	92	75	20	8.5	6.2	3.7
27	4.9	4.7	e2.7	6.1	6.8	14	86	69	19	9.1	6.1	3.7
28	4.8	e4.4	e2.6	5.8	8.6	14	76	64	16	8.2	6.0	4.6
29	4.5	e3.5	e2.5	4.9	---	16	75	58	14	11	6.0	15
30	4.5	e1.8	e2.5	e3.0	---	15	77	57	13	7.7	5.6	9.8
31	4.5	---	e2.4	e2.5	---	14	---	51	---	6.9	5.2	---
TOTAL	160.7	126.6	97.3	126.8	145.1	317.9	2,087	2,674	742	286.0	271.2	161.5
MEAN	5.18	4.22	3.14	4.09	5.18	10.3	69.6	86.3	24.7	9.23	8.75	5.38
MAX	9.3	5.5	4.6	6.9	8.6	16	126	103	47	12	22	15
MIN	3.9	1.8	1.7	2.5	2.0	4.5	15	51	13	6.9	5.2	3.7
AC-FT	319	251	193	252	288	631	4,140	5,300	1,470	567	538	320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2005, BY WATER YEAR (WY)

MEAN	5.74	5.00	3.95	3.63	4.04	7.83	30.8	51.6	22.1	10.2	11.3	7.09
MAX	30.4	20.0	12.4	8.01	8.68	23.7	144	287	231	54.7	71.5	33.0
(WY)	(1942)	(1942)	(1987)	(1942)	(1987)	(1939)	(1987)	(1941)	(1965)	(1969)	(1965)	(1991)
MIN	1.23	1.40	1.27	1.04	1.95	2.98	4.65	2.24	1.71	1.42	1.81	0.88
(WY)	(1957)	(1957)	(1957)	(2002)	(1951)	(1951)	(2002)	(2002)	(2002)	(1956)	(2002)	(1956)

07208500 RAYADO CREEK NEAR CIMARRON, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1912 - 2005	
ANNUAL TOTAL	3,465.30		7,196.1			
ANNUAL MEAN	9.47		19.7		13.6	
HIGHEST ANNUAL MEAN					41.6 1965	
LOWEST ANNUAL MEAN					2.53 2002	
HIGHEST DAILY MEAN	63	Apr 30	126	Apr 20	2,000	Jun 18, 1965
LOWEST DAILY MEAN	0.50	Feb 13	1.7	Dec 1	0.40	Nov 16, 1956
ANNUAL SEVEN-DAY MINIMUM	1.1	Feb 9	2.2	Feb 1	0.67	Sep 15, 1956
MAXIMUM PEAK FLOW			161	Apr 19	a9,000	Jun 17, 1965
MAXIMUM PEAK STAGE			3.56	Apr 19	b11.50	Jun 17, 1965
INSTANTANEOUS LOW FLOW			1.0	Nov 23	c0.03	Dec 3, 1950
ANNUAL RUNOFF (AC-FT)	6,870		14,270		9,860	
10 PERCENT EXCEEDS	22		75		30	
50 PERCENT EXCEEDS	4.9		6.7		5.4	
90 PERCENT EXCEEDS	2.3		2.9		2.6	

- a From rating curve extended above 70 ft³/s, on basis of field estimate of peak flow.
- b From floodmarks.
- c Also may have been less during periods of ice effect.
- e Estimated

07211500 CANADIAN RIVER NEAR TAYLOR SPRINGS, NM

LOCATION.--Lat 36°17'52", long 104°29'41", in NW ¼ SE ¼ sec.21, T.24 N., R.23 E., Colfax County, Hydrologic Unit 11080003, on left bank at head of gorge, 2.1 mi south of Taylor Springs, 2.3 mi downstream from Cimarron River, 2.4 mi upstream from Chico Creek, 7.1 mi southeast of Springer, and at mile 847.9.

DRAINAGE AREA.--2,850 mi².

PERIOD OF RECORD.--January 1940 to September 1958, and annual maximum, water years 1959-63. June 1964 to current year. Water-year estimate for 1940, published in WSP 1311.

REVISED RECORDS.--WSP 1177: drainage area. WSP 1281: 1941-42(P), 1945-47(M), 1948-50(P).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,640 ft above NGVD of 1929, from topographic map. Prior to June 10, 1964, water-stage recorder at site 1.7 mi downstream at different datum; operated as crest-stage gage at that site and datum during water years 1959-64.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of about 30,000 acres upstream from station. Several observations of water temperature were made during the year. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood prior to 1965 occurred Sept. 29, 1904, discharge published as 91,100 ft³/s in WSP 842 and 847.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.0	2.9	e3.0	9.2	e6.0	23	105	389	250	8.8	e2.1	e1.7
2	e4.8	2.5	e4.0	8.3	e5.0	19	111	408	270	7.6	e1.7	e1.7
3	e4.2	2.7	e5.0	8.1	e5.0	18	333	430	214	6.7	e1.2	e0.95
4	e4.1	3.3	e6.0	e7.0	12	18	415	483	162	6.2	e1.1	e1.4
5	32	3.7	10	e5.0	13	17	440	581	142	5.8	e1.3	e2.2
6	50	4.0	8.4	e4.0	16	e14	427	591	118	5.8	e1.2	e242
7	24	4.2	7.7	e5.0	17	e14	359	465	95	5.8	e1.1	e80
8	10	4.4	8.2	8.5	19	e13	331	461	59	6.0	e1.4	e24
9	8.3	4.4	9.6	11	16	e13	296	415	41	5.4	e1.4	e9.2
10	6.9	4.6	8.7	10	15	14	309	352	39	5.2	e1.3	e5.1
11	5.7	4.6	8.5	9.5	14	15	396	479	40	5.9	e1.1	e3.4
12	5.5	4.7	8.4	e8.0	16	16	292	506	67	14	e90	e3.5
13	6.2	6.2	e6.0	e6.0	18	e11	393	458	47	6.8	e29	e2.8
14	7.6	7.6	e5.0	e6.0	21	e8.0	549	406	39	4.9	e2.4	e2.3
15	6.1	8.2	e4.0	e7.0	17	e7.0	556	401	41	4.5	e0.93	e2.3
16	5.4	7.9	e4.0	e7.0	17	e6.0	734	474	39	4.9	e0.91	e3.6
17	5.4	7.4	e4.2	8.5	21	e20	985	473	55	17	e1.5	e3.0
18	5.2	6.9	e4.6	10	26	33	1,040	487	47	7.6	e2.1	e2.6
19	4.9	6.6	4.8	11	25	53	886	500	39	5.2	e0.92	e3.4
20	5.0	6.9	5.1	10	21	77	916	448	32	4.4	e0.48	e4.8
21	5.0	7.9	e5.0	11	23	86	825	370	30	4.9	e0.39	e3.2
22	4.8	8.6	e4.0	10	32	90	720	342	23	3.3	e0.25	e3.1
23	4.6	12	e3.0	11	30	83	629	322	18	2.9	e0.18	e4.8
24	4.7	11	e2.0	13	34	76	604	322	14	2.6	e0.25	e7.1
25	4.8	9.8	e2.0	11	34	75	623	275	12	3.0	e0.10	e8.8
26	4.9	9.6	e3.0	11	32	74	616	282	31	2.8	e0.57	e6.9
27	5.0	9.1	e5.6	11	31	73	552	278	24	13	e0.54	e2.3
28	4.0	8.8	6.6	13	29	65	521	266	14	20	e0.38	e2.8
29	3.4	e6.0	7.5	13	---	114	457	243	15	7.3	e0.39	e5.0
30	3.0	e4.0	9.9	e9.0	---	140	395	239	11	4.2	e0.24	e3.2
31	3.0	---	8.2	e7.0	---	136	---	252	---	e2.7	e0.52	---
TOTAL	253.5	190.5	182.0	279.1	565.0	1,421.0	15,815	12,398	2,028	205.2	146.95	447.15
MEAN	8.18	6.35	5.87	9.00	20.2	45.8	527	400	67.6	6.62	4.74	14.9
MAX	50	12	10	13	34	140	1,040	591	270	20	90	242
MIN	3.0	2.5	2.0	4.0	5.0	6.0	105	239	11	2.6	0.10	0.95
AC-FT	503	378	361	554	1,120	2,820	31,370	24,590	4,020	407	291	887

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	35.4	22.3	20.0	20.9	24.3	28.2	125	237	136	85.0	113	71.8
MAX	451	192	105	121	186	337	2,853	2,174	2,313	509	563	1,354
(WY)	(1942)	(1942)	(1943)	(1943)	(1948)	(1987)	(1942)	(1941)	(1965)	(1947)	(1981)	(1942)
MIN	0.00	0.01	0.02	0.04	0.06	0.03	1.40	0.32	2.67	0.89	0.01	0.00
(WY)	(1957)	(2004)	(2004)	(2004)	(2004)	(2004)	(1954)	(2002)	(1964)	(2003)	(2003)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1940 - 2005

ANNUAL TOTAL	21,346.90	33,931.40	
ANNUAL MEAN	58.3	93.0	77.3
HIGHEST ANNUAL MEAN			564
LOWEST ANNUAL MEAN			3.05
HIGHEST DAILY MEAN	1,890	Jun 20	1,040
LOWEST DAILY MEAN	0.00	Jun 11	0.10
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 11	0.32
MAXIMUM PEAK FLOW			1,350
MAXIMUM PEAK STAGE			7.09
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	42,340	67,300	56,000
10 PERCENT EXCEEDS	167	403	124
50 PERCENT EXCEEDS	5.0	9.0	15
90 PERCENT EXCEEDS	0.03	2.3	2.0

a From rating curve extended above 7,000 ft³/s, on basis of slope-area measurement of peak flow.

b From floodmarks.

c Estimated

07211500 CANADIAN RIVER NEAR TAYLOR SPRINGS, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-75, March 2005- September 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAR 11...	0945	14	10	625	10.1	100	8.4	2,390	8.0	6.0	1,100	219	128
JUN 15...	1330	36	14	623	7.2	104	8.4	1,610	27.0	23.0	590	118	71.5
SEP 13...	1000	1.7	110	623	8.7	108	8.3	1,900	17.5	15.5	620	130	70.8

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, tit., mg/L (00453)	Carbonate, wat fltrd, tit., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
MAR 11...	3.54	3	218	227	269	4	39.5	.5	5.2	1,160	1,910	--	.20
JUN 15...	3.08	2	129	200	234	4	24.4	.4	7.3	659	1,130	--	.23
SEP 13...	5.01	3	171	173	204	4	39.4	.5	7.7	808	1,340	1,500	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
MAR 11...	.27	<.04	E.038	<.06	<.008	<.02	E.003	.015	260	27	E2	E.11	M
JUN 15...	.26	<.04	<.100	<.06	<.008	<.02	.004	.026	--	--	E1	E.15	<2
SEP 13...	.55	--	--	--	--	--	--	.101	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
MAR 11...	32	<.06	98	<.04	<.8	.675	3.1	E10	<.08	37.5	<.01	4.1	6.26
JUN 15...	79	<.06	79	<.04	<.8	.336	4.1	<6	<.08	16.4	<.01	3.5	5.89
SEP 13...	--	--	131	--	--	--	--	11	--	--	--	--	--

07211500 CANADIAN RIVER NEAR TAYLOR SPRINGS, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
MAR 11...	<3	<3	<.2	2.3	6.99	96	52
JUN 15...	<3	<3	<.2	1.3	3.39	94	42
SEP 13...	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAR 10...	1015	39	37	650	9.2	96	8.4	1,300	16.0	10.0	520	114	58.1
JUN 16...	1030	96	69	660	7.8	105	8.4	773	29.0	22.5	320	75.6	32.2
SEP 12...	1330	64	89	650	8.0	110	8.4	567	27.5	23.0	230	59.0	20.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water, field, mg/L as CaCO3 (39086)	Bicarbonate, water, field, titr., mg/L (00453)	Carbonate, water, field, titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue, water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
MAR 10...	2.58	2	99.1	184	218	3	25.6	.4	6.8	511	927	--	.20
JUN 16...	2.44	1	50.6	170	200	4	11.4	.4	9.5	219	503	--	.20
SEP 12...	3.03	.9	30.2	147	174	3	8.70	.4	10.7	120	340	361	.27

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Ammonia, water, unfltrd mg/L as N (00610)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E. coli, MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic, water, fltrd, ug/L (01000)
MAR 10...	.32	<.04	E.030	<.06	<.008	<.02	E.003	.035	S.0	20	E1	<.20	<.2
JUN 16...	.41	<.04	<.100	<.06	<.008	<.02	.005	.087	220	E6,000	2	E.17	<.2
SEP 12...	.47	<.04	--	<.06	<.008	<.02	.012	.079	--	--	--	--	--

07211500 CANADIAN RIVER NEAR TAYLOR SPRINGS, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
MAR 10...	80	<.06	67	<.04	<.8	.368	1.8	<6	<.08	10.4	<.01	2.3	2.51
JUN 16...	99	<.06	54	<.04	<.8	.205	2.4	<6	<.08	.4	<.01	2.6	4.05
SEP 12...	--	--	60	--	--	--	--	<6	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concentra- tion mg/L (80154)
MAR 10...	<3	<3	<.2	1.6	3.72	99	56
JUN 16...	<3	<3	<.2	.7	2.28	97	90
SEP 12...	--	--	--	--	--	--	--

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.
- M-- Presence verified but not quantified.
- S -- Most probable value.

ARKANSAS RIVER BASIN

07214470 SIERRA DITCH NEAR CHACON, NM

LOCATION.--Lat 36°11'00", long 105°24'23", Mora County, Hydrologic Unit 1108004, in Mora Grant, 3.5 miles northwest of Chacon in the Santa Fe National Forest.

DRAINAGE AREA.--Unknown.

PERIOD OF RECORD.--May 2003 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation 10,400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11 cfs, June 25, 2005; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, during period of seasonal operation, 11 cfs June 25, gage height 2.41; minimum daily discharge, no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	5.7	1.4	0.16	0.04
2	---	---	---	---	---	---	---	---	5.5	1.3	0.15	0.00
3	---	---	---	---	---	---	---	---	5.3	1.2	0.13	0.02
4	---	---	---	---	---	---	---	---	5.1	1.1	0.08	0.02
5	---	---	---	---	---	---	---	---	4.9	1.0	0.09	0.00
6	---	---	---	---	---	---	---	---	4.8	0.94	0.09	0.00
7	---	---	---	---	---	---	---	---	4.6	0.87	0.06	0.00
8	---	---	---	---	---	---	---	---	4.4	0.76	0.06	0.00
9	---	---	---	---	---	---	---	---	4.1	0.70	0.16	0.02
10	---	---	---	---	---	---	---	---	3.8	0.66	0.19	0.95
11	---	---	---	---	---	---	---	---	3.6	0.60	0.21	0.35
12	---	---	---	---	---	---	---	---	3.3	0.57	1.0	0.17
13	---	---	---	---	---	---	---	---	3.2	0.49	0.44	0.08
14	---	---	---	---	---	---	---	---	2.9	0.45	0.19	0.02
15	---	---	---	---	---	---	---	---	2.8	0.43	0.14	0.00
16	---	---	---	---	---	---	---	---	2.7	0.41	0.08	0.00
17	---	---	---	---	---	---	---	---	2.8	0.37	0.05	0.00
18	---	---	---	---	---	---	---	---	3.5	0.33	0.02	0.00
19	---	---	---	---	---	---	---	---	3.1	0.41	0.05	0.00
20	---	---	---	---	---	---	---	---	2.9	0.36	0.00	0.00
21	---	---	---	---	---	---	---	---	2.6	0.50	0.00	0.00
22	---	---	---	---	---	---	---	---	2.4	0.42	0.00	0.00
23	---	---	---	---	---	---	---	---	2.2	0.30	0.30	0.00
24	---	---	---	---	---	---	---	---	2.1	0.27	0.26	0.00
25	---	---	---	---	---	---	---	---	1.9	0.24	0.12	0.00
26	---	---	---	---	---	---	---	---	1.9	0.21	0.11	0.00
27	---	---	---	---	---	---	---	---	1.7	0.19	0.01	0.00
28	---	---	---	---	---	---	---	6.0	1.6	0.18	0.04	0.00
29	---	---	---	---	---	---	---	6.1	1.5	0.18	0.11	0.00
30	---	---	---	---	---	---	---	6.1	1.4	0.19	0.18	0.00
31	---	---	---	---	---	---	---	6.0	---	0.18	0.16	---
TOTAL	---	---	---	---	---	---	---	---	98.3	17.21	4.64	1.67
MEAN	---	---	---	---	---	---	---	---	3.28	0.56	0.15	0.06
MAX	---	---	---	---	---	---	---	---	5.7	1.4	1.0	0.95
MIN	---	---	---	---	---	---	---	---	1.4	0.18	0.00	0.00
AC-FT	---	---	---	---	---	---	---	---	195	34	9.2	3.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	3.28	0.56	0.15	0.06
MAX	---	---	---	---	---	---	---	---	3.28	0.56	0.15	0.06
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	---	3.28	0.56	0.15	0.06
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)

07214470 SIERRA DITCH NEAR CHACON, NM—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	---	---	2.0	0.81	0.18	0.03
2	0.00	---	---	---	---	---	---	---	1.9	0.61	0.17	0.00
3	0.02	---	---	---	---	---	---	---	1.8	0.54	0.13	0.00
4	0.02	---	---	---	---	---	---	---	1.7	0.51	0.00	0.01
5	0.00	---	---	---	---	---	---	---	1.7	0.45	0.23	0.00
6	0.00	---	---	---	---	---	---	---	2.2	0.37	0.37	0.00
7	e0.00	---	---	---	---	---	---	---	2.7	0.32	0.21	0.00
8	---	---	---	---	---	---	---	---	2.6	0.27	0.16	0.00
9	---	---	---	---	---	---	---	---	2.5	0.26	0.12	0.00
10	---	---	---	---	---	---	---	---	2.4	0.21	0.11	0.00
11	---	---	---	---	---	---	---	---	2.2	0.20	0.09	0.00
12	---	---	---	---	---	---	---	---	2.1	0.24	0.08	0.00
13	---	---	---	---	---	---	---	---	1.9	0.22	0.33	0.00
14	---	---	---	---	---	---	---	---	1.7	0.17	0.14	0.00
15	---	---	---	---	---	---	---	---	1.7	0.16	0.10	0.00
16	---	---	---	---	---	---	---	---	1.5	0.17	0.07	0.00
17	---	---	---	---	---	---	---	---	1.4	0.20	0.04	0.00
18	---	---	---	---	---	---	---	---	1.2	0.37	0.09	0.00
19	---	---	---	---	---	---	---	---	1.2	0.19	0.17	0.41
20	---	---	---	---	---	---	---	---	1.1	e0.25	0.19	0.04
21	---	---	---	---	---	---	---	---	0.97	e0.28	0.05	0.00
22	---	---	---	---	---	---	---	---	0.98	e0.25	0.03	e0.00
23	---	---	---	---	---	---	---	---	0.92	e0.22	0.02	e0.00
24	---	---	---	---	---	---	---	e2.4	0.81	e0.27	0.02	e0.00
25	---	---	---	---	---	---	---	2.5	0.82	e0.25	0.03	e0.00
26	---	---	---	---	---	---	---	2.3	1.1	e0.37	0.00	e0.00
27	---	---	---	---	---	---	---	2.3	1.0	e0.47	0.00	e0.00
28	---	---	---	---	---	---	---	2.2	0.96	0.46	0.00	e0.00
29	---	---	---	---	---	---	---	2.1	1.6	0.40	0.00	e0.00
30	---	---	---	---	---	---	---	2.1	1.7	0.30	0.00	e0.00
31	---	---	---	---	---	---	---	2.1	---	0.23	0.06	---
TOTAL	---	---	---	---	---	---	---	---	48.36	10.02	3.19	0.49
MEAN	---	---	---	---	---	---	---	---	1.61	0.32	0.10	0.02
MAX	---	---	---	---	---	---	---	---	2.7	0.81	0.37	0.41
MIN	---	---	---	---	---	---	---	---	0.81	0.16	0.00	0.00
AC-FT	---	---	---	---	---	---	---	---	96	20	6.3	1.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	2.44	0.44	0.13	0.04
MAX	---	---	---	---	---	---	---	---	3.28	0.56	0.15	0.06
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	---	1.61	0.32	0.10	0.02
(WY)	---	---	---	---	---	---	---	---	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

WATER YEARS 2003 - 2004

HIGHEST DAILY MEAN	6.1	May 29, 2003
LOWEST DAILY MEAN	0.00	Aug 20, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 15, 2003
MAXIMUM PEAK FLOW	6.7	May 29, 2003
MAXIMUM PEAK STAGE	2.18	May 29, 2003
INSTANTANEOUS LOW FLOW	0.00	Aug 4, 2003

e Estimated

ARKANSAS RIVER BASIN

07214470 SIERRA DITCH NEAR CHACON, NM—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	---	---	---	5.8	0.52	0.75
2	0.00	---	---	---	---	---	---	---	---	5.5	0.51	1.3
3	0.00	---	---	---	---	---	---	---	---	3.6	0.50	0.91
4	0.00	---	---	---	---	---	---	---	---	1.5	0.98	0.78
5	0.13	---	---	---	---	---	---	---	---	1.5	1.4	0.67
6	0.27	---	---	---	---	---	---	---	---	1.3	0.97	0.69
7	0.19	---	---	---	---	---	---	---	---	1.4	0.72	0.73
8	0.04	---	---	---	---	---	---	---	---	1.4	0.59	0.90
9	0.00	---	---	---	---	---	---	---	---	1.2	0.54	0.74
10	0.00	---	---	---	---	---	---	---	0.00	1.2	0.51	0.62
11	0.02	---	---	---	---	---	---	---	0.00	1.2	0.54	0.57
12	---	---	---	---	---	---	---	---	0.00	1.2	1.6	0.55
13	---	---	---	---	---	---	---	---	0.00	1.2	1.0	0.53
14	---	---	---	---	---	---	---	---	0.00	1.0	1.6	0.53
15	---	---	---	---	---	---	---	---	0.00	1.1	1.3	0.49
16	---	---	---	---	---	---	---	---	0.00	1.0	1.1	0.48
17	---	---	---	---	---	---	---	---	0.00	0.91	1.1	0.44
18	---	---	---	---	---	---	---	---	0.00	1.1	1.0	0.43
19	---	---	---	---	---	---	---	---	0.00	0.98	1.0	0.41
20	---	---	---	---	---	---	---	---	0.00	0.94	1.1	0.33
21	---	---	---	---	---	---	---	---	0.12	0.82	0.99	0.32
22	---	---	---	---	---	---	---	---	0.00	0.73	0.96	0.32
23	---	---	---	---	---	---	---	---	0.00	0.81	0.99	0.71
24	---	---	---	---	---	---	---	---	0.00	0.79	0.99	0.39
25	---	---	---	---	---	---	---	---	4.1	0.70	0.93	0.37
26	---	---	---	---	---	---	---	---	7.7	0.72	0.90	0.36
27	---	---	---	---	---	---	---	---	7.0	0.63	0.88	0.37
28	---	---	---	---	---	---	---	---	6.7	0.65	0.91	1.3
29	---	---	---	---	---	---	---	---	6.3	0.55	0.87	3.4
30	---	---	---	---	---	---	---	---	6.0	0.49	0.79	2.0
31	---	---	---	---	---	---	---	---	---	0.49	0.74	---
TOTAL	---	---	---	---	---	---	---	---	---	42.41	28.53	22.39
MEAN	---	---	---	---	---	---	---	---	---	1.37	0.92	0.75
MAX	---	---	---	---	---	---	---	---	---	5.8	1.6	3.4
MIN	---	---	---	---	---	---	---	---	---	0.49	0.50	0.32
AC-FT	---	---	---	---	---	---	---	---	---	84	57	44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	2.44	0.75	0.39	0.27
MAX	---	---	---	---	---	---	---	---	3.28	1.37	0.92	0.75
(WY)	---	---	---	---	---	---	---	---	(2003)	(2005)	(2005)	(2005)
MIN	---	---	---	---	---	---	---	---	1.61	0.32	0.10	0.02
(WY)	---	---	---	---	---	---	---	---	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

HIGHEST DAILY MEAN
 LOWEST DAILY MEAN
 ANNUAL SEVEN-DAY MINIMUM
 MAXIMUM PEAK FLOW
 MAXIMUM PEAK STAGE
 INSTANTANEOUS LOW FLOW

WATER YEARS 2003 - 2005

7.7 Jun 26, 2005
 0.00 Aug 20, 2003
 0.00 Sep 15, 2003
 11 Jun 25, 2005
 2.41 Jun 25, 4009
 0.00 Aug 4, 2003

07214680 LA SIERRA DITCH NEAR HOLOMAN, NM

LOCATION.--Lat 36°02'57", long 105°27'18", Mora County, Hydrologic Unit 1108004, in Mora Grant, 4 miles west northwest of Holoman and 5 miles south of Angostura in the Satna Fe National Forest.

DRAINAGE AREA.--Unknown.

PERIOD OF RECORD.--May 2003 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation 9,400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31 cfs, May 24, 2005, minimum discharge 0.01 cfs Sept. 30, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, during period of seasonal operation, 31 cfs May 24, gage height 4.81, minimum discharge 0.05 cfs, Aug. 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	13	3.4	0.92	3.3
2	---	---	---	---	---	---	---	2.9	13	2.7	0.75	2.7
3	---	---	---	---	---	---	---	4.1	12	2.2	1.2	2.9
4	---	---	---	---	---	---	---	3.2	12	2.9	1.00	3.1
5	---	---	---	---	---	---	---	2.3	12	2.7	0.76	3.0
6	---	---	---	---	---	---	---	2.1	11	2.6	0.75	2.7
7	---	---	---	---	---	---	---	2.1	11	2.6	0.85	2.4
8	---	---	---	---	---	---	---	2.2	10	2.5	0.82	2.3
9	---	---	---	---	---	---	---	2.5	9.4	2.5	1.8	2.1
10	---	---	---	---	---	---	---	2.5	9.1	2.3	1.5	6.6
11	---	---	---	---	---	---	---	2.6	8.2	2.2	1.5	4.9
12	---	---	---	---	---	---	---	4.5	7.9	2.1	1.4	3.8
13	---	---	---	---	---	---	---	6.6	7.5	2.0	1.1	3.3
14	---	---	---	---	---	---	---	9.7	7.0	1.8	1.2	3.4
15	---	---	---	---	---	---	---	13	6.6	1.7	1.1	3.1
16	---	---	---	---	---	---	---	12	6.4	1.8	0.81	2.8
17	---	---	---	---	---	---	---	13	6.1	1.9	0.77	2.4
18	---	---	---	---	---	---	---	14	7.1	1.7	0.68	2.2
19	---	---	---	---	---	---	---	13	7.2	1.5	0.63	2.2
20	---	---	---	---	---	---	---	14	6.3	1.5	0.59	2.0
21	---	---	---	---	---	---	---	14	5.7	1.6	0.68	1.5
22	---	---	---	---	---	---	---	14	5.1	1.7	0.71	1.3
23	---	---	---	---	---	---	---	14	4.6	1.4	1.5	0.96
24	---	---	---	---	---	---	---	14	4.4	1.4	2.0	1.0
25	---	---	---	---	---	---	---	14	4.1	1.4	2.3	0.84
26	---	---	---	---	---	---	---	13	4.1	1.4	2.1	0.92
27	---	---	---	---	---	---	---	13	4.0	1.0	1.3	0.88
28	---	---	---	---	---	---	---	13	3.7	1.0	1.4	0.84
29	---	---	---	---	---	---	---	13	3.7	0.97	4.2	0.51
30	---	---	---	---	---	---	---	13	3.6	1.3	4.3	0.46
31	---	---	---	---	---	---	---	13	---	1.3	4.8	---
TOTAL	---	---	---	---	---	---	---	---	225.8	59.07	45.42	70.41
MEAN	---	---	---	---	---	---	---	---	7.53	1.91	1.47	2.35
MAX	---	---	---	---	---	---	---	---	13	3.4	4.8	6.6
MIN	---	---	---	---	---	---	---	---	3.6	0.97	0.59	0.46
AC-FT	---	---	---	---	---	---	---	---	448	117	90	140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	---	---	---	---	---	---	7.53	1.91	1.47	2.35
MAX	---	---	---	---	---	---	---	---	7.53	1.91	1.47	2.35
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	---	7.53	1.91	1.47	2.35
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)

ARKANSAS RIVER BASIN

07214680 LA SIERRA DITCH NEAR HOLOMAN, NM—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.21	---	---	---	---	---	---	6.7	11	3.1	---	---
2	0.28	---	---	---	---	---	---	6.7	11	2.5	---	---
3	1.3	---	---	---	---	---	---	6.8	11	2.1	3.0	---
4	1.6	---	---	---	---	---	---	7.4	11	1.3	2.0	---
5	1.0	---	---	---	---	---	---	7.2	11	1.4	---	---
6	0.57	---	---	---	---	---	---	8.4	11	1.2	---	---
7	---	---	---	---	---	---	---	8.7	11	1.2	---	---
8	---	---	---	---	---	---	---	11	10	1.1	---	---
9	---	---	---	---	---	---	---	16	10	0.85	---	---
10	---	---	---	---	---	---	---	17	9.7	0.74	---	---
11	---	---	---	---	---	---	---	17	8.9	0.85	---	---
12	---	---	---	---	---	---	---	18	8.4	1.4	---	---
13	---	---	---	---	---	---	---	14	7.6	2.0	---	---
14	---	---	---	---	---	---	---	11	7.0	1.8	---	---
15	---	---	---	---	---	---	---	12	6.6	1.3	---	---
16	---	---	---	---	---	---	---	13	6.2	1.2	---	---
17	---	---	---	---	---	---	---	13	5.2	1.1	---	---
18	---	---	---	---	---	---	---	13	4.5	1.5	---	---
19	---	---	---	---	---	---	---	13	3.6	2.0	---	---
20	---	---	---	---	---	---	---	13	3.5	---	---	---
21	---	---	---	---	---	---	---	14	3.2	---	---	---
22	---	---	---	---	---	---	---	14	3.3	---	---	---
23	---	---	---	---	---	---	---	13	2.9	---	---	---
24	---	---	---	---	---	---	4.2	13	2.3	---	---	---
25	---	---	---	---	---	---	3.6	12	2.5	---	---	---
26	---	---	---	---	---	---	3.9	12	2.5	---	e0.29	---
27	---	---	---	---	---	---	4.8	12	2.6	---	e0.28	---
28	---	---	---	---	---	---	6.5	12	2.3	---	e0.29	---
29	---	---	---	---	---	---	7.0	11	4.1	---	e0.20	---
30	---	---	---	---	---	---	6.6	11	5.2	---	e0.09	---
31	---	---	---	---	---	---	---	10	---	---	e0.10	---
TOTAL	---	---	---	---	---	---	---	366.9	199.1	---	---	---
MEAN	---	---	---	---	---	---	---	11.8	6.64	---	---	---
MAX	---	---	---	---	---	---	---	18	11	---	---	---
MIN	---	---	---	---	---	---	---	6.7	2.3	---	---	---
AC-FT	---	---	---	---	---	---	---	728	395	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	11.8	7.08	1.91	1.47	2.35
MAX	---	---	---	---	---	---	---	11.8	7.53	1.91	1.47	2.35
(WY)	---	---	---	---	---	---	---	(2004)	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	11.8	6.64	1.91	1.47	2.35
(WY)	---	---	---	---	---	---	---	(2004)	(2004)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

WATER YEARS 2003 - 2004

HIGHEST DAILY MEAN	18	May 12, 2004
LOWEST DAILY MEAN	0.09	Aug 30, 2004
ANNUAL SEVEN-DAY MINIMUM	0.59	Sep 26, 2003
MAXIMUM PEAK FLOW	24	May 12, 2004
MAXIMUM PEAK STAGE	4.64	May 12, 2007
INSTANTANEOUS LOW FLOW	0.01	Sep 30, 2003

e Estimated

07214680 LA SIERRA DITCH NEAR HOLOMAN, NM—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	15	8.0	0.20	0.14
2	---	---	---	---	---	---	---	---	15	7.7	0.21	0.10
3	---	---	---	---	---	---	---	---	15	7.3	0.19	0.07
4	---	---	---	---	---	---	---	---	14	6.1	0.70	0.14
5	---	---	---	---	---	---	---	---	14	5.5	4.2	0.15
6	---	---	---	---	---	---	---	---	13	7.7	0.60	0.11
7	---	---	---	---	---	---	---	---	13	2.4	0.37	0.09
8	---	---	---	---	---	---	---	---	12	e0.98	0.32	0.21
9	---	---	---	---	---	---	---	---	12	e0.96	0.22	0.20
10	---	---	---	---	---	---	---	---	12	e0.97	0.19	0.20
11	---	---	---	---	---	---	---	e16.8	12	e0.93	0.19	0.18
12	---	---	---	---	---	---	---	16	13	e0.69	0.21	0.18
13	---	---	---	---	---	---	---	16	12	0.37	0.20	0.14
14	---	---	---	---	---	---	---	16	12	0.42	0.67	0.07
15	---	---	---	---	---	---	---	16	12	e0.43	0.16	0.10
16	---	---	---	---	---	---	---	17	12	0.45	0.16	0.11
17	---	---	---	---	---	---	---	18	12	0.39	0.18	0.09
18	---	---	---	---	---	---	---	18	12	0.43	0.17	0.10
19	---	---	---	---	---	---	---	19	11	0.36	0.16	0.08
20	---	---	---	---	---	---	---	18	11	0.28	0.16	0.09
21	---	---	---	---	---	---	---	18	11	0.35	0.18	0.11
22	---	---	---	---	---	---	---	18	12	0.31	0.19	0.10
23	---	---	---	---	---	---	---	21	11	0.34	0.14	0.17
24	---	---	---	---	---	---	---	20	11	0.54	0.14	0.16
25	---	---	---	---	---	---	---	19	11	0.30	0.13	0.15
26	---	---	---	---	---	---	---	18	12	0.28	0.17	0.18
27	---	---	---	---	---	---	---	18	11	0.28	0.17	0.17
28	---	---	---	---	---	---	---	17	10	0.27	0.12	0.10
29	---	---	---	---	---	---	---	16	9.6	0.30	0.13	2.9
30	---	---	---	---	---	---	---	16	8.7	0.28	0.17	1.4
31	---	---	---	---	---	---	---	15	---	0.20	0.13	---
TOTAL	---	---	---	---	---	---	---	---	361.3	55.81	11.13	7.99
MEAN	---	---	---	---	---	---	---	---	12.0	1.80	0.36	0.27
MAX	---	---	---	---	---	---	---	---	15	8.0	4.2	2.9
MIN	---	---	---	---	---	---	---	---	8.7	0.20	0.12	0.07
AC-FT	---	---	---	---	---	---	---	---	717	111	22	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	11.8	8.74	1.85	0.91	1.31
MAX	---	---	---	---	---	---	---	11.8	12.0	1.91	1.47	2.35
(WY)	---	---	---	---	---	---	---	(2004)	(2005)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	11.8	6.64	1.80	0.36	0.27
(WY)	---	---	---	---	---	---	---	(2004)	(2004)	(2005)	(2005)	(2005)

SUMMARY STATISTICS

WATER YEARS 2003 - 2005

HIGHEST DAILY MEAN	21	May 23, 2005
LOWEST DAILY MEAN	0.07	Sep 3, 2005
ANNUAL SEVEN-DAY MINIMUM	0.09	Sep 14, 2005
MAXIMUM PEAK FLOW	31	May 24, 2005
MAXIMUM PEAK STAGE	4.81	May 24, 2005
INSTANTANEOUS LOW FLOW	0.01	Sep 30, 2003

e Estimated

07215500 MORA RIVER AT LA CUEVA, NM

LOCATION.--Lat 35°56'17", long 105°14'58", Mora County, Hydrologic Unit 11080004, in Mora Grant, on left bank 45 ft upstream from bridge on State Highway 518 at La Cueva, 0.3 mi downstream from La Cueva damsite, and at mile 86.8.

DRAINAGE AREA.--173 mi².

PERIOD OF RECORD.--August 1903 to April 1905 (gage heights and discharge measurements only), May to December 1905, May 1906 to July 1911, April 1931 to current year. Monthly discharge only for some periods, published in WSP 1311. Records for February to April 1905, published in WSP 173, are unreliable and should not be used.

REVISED RECORDS.--WSP 857: 1937. WSP 1281: 1931(M), 1932. WSP 1511: drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Elevation of gage is 7,000 ft above NGVD of 1929, from topographic map. Mar. 10, 1915, to June 4, 1921, water-stage recorder at site 2.8 mi upstream at different datum. July 6, 1921, to Jan. 5, 1929, nonrecording gage or water-stage recorder at site 0.7 mi downstream at datum about 14 ft lower. Jan. 6, 1929, to Apr. 1, 1972, water-stage recorder at site 0.7 mi downstream at datum about 15 ft lower.

REMARKS.--Records poor. Diversions upstream from station for irrigation of about 7,000 acres, part of which is downstream from station. See tabulation below for monthly and yearly diversion of La Cueva canal, which bypasses gage on left bank. La Cueva canal operated as a seasonal gage. Several observations of water temperature were made during the year. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 29, 1904, may have exceeded 20,000 ft³/s; another major flood occurred June 11, 1913, but is believed to have been less than flood of 1904.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	e1.9	e1.7	e1.4	2.6	1.5	18	56	165	31	20	21
2	4.0	e2.0	e1.6	e1.3	2.6	1.3	19	73	148	30	21	29
3	4.3	e2.0	e1.9	e1.4	2.7	1.3	19	77	133	25	18	27
4	4.3	e1.9	e2.1	3.7	2.5	1.3	21	75	107	20	45	24
5	5.4	e1.8	e1.9	2.1	2.2	1.4	22	81	109	22	108	21
6	4.7	e1.7	e1.9	2.2	2.5	1.7	23	91	99	24	45	21
7	4.7	e1.7	e1.8	2.1	2.3	1.7	22	115	94	22	41	21
8	3.9	e1.6	e1.7	1.9	2.3	1.5	24	128	70	22	37	21
9	3.7	e1.7	e1.5	1.7	2.1	1.2	31	136	57	22	35	27
10	3.3	e1.8	e1.5	1.7	1.9	1.1	35	153	56	23	33	21
11	3.4	e1.7	e1.4	9.3	2.2	5.7	37	171	68	21	33	19
12	3.5	e1.7	e1.4	15	3.0	10	30	171	74	20	42	20
13	3.8	e1.8	e1.3	18	1.8	11	27	163	57	24	42	24
14	3.1	e1.9	e1.1	15	1.4	14	34	157	48	23	48	22
15	3.0	e2.0	e1.2	16	1.3	23	48	148	45	21	54	23
16	3.0	e2.0	e1.2	15	1.5	27	78	135	49	24	53	24
17	4.0	e2.2	e1.0	15	1.4	10	99	147	49	23	44	23
18	4.6	e2.3	e0.98	15	1.4	15	116	168	47	23	37	23
19	7.0	e2.2	e1.0	15	1.4	17	125	173	43	25	35	23
20	9.5	e2.3	e1.0	15	1.3	21	128	193	37	23	33	21
21	13	e2.5	e1.0	16	1.8	26	126	209	35	22	32	22
22	7.6	e2.3	e1.1	15	3.4	27	112	234	41	22	e31	22
23	3.1	e2.1	e1.0	15	4.3	23	108	232	39	25	e30	22
24	4.5	e2.0	e0.83	15	5.9	20	104	247	38	26	e29	21
25	e4.8	e2.0	e0.79	11	5.9	19	110	227	45	25	25	20
26	e2.8	e1.8	e0.66	10	5.3	19	98	224	56	26	e23	20
27	e2.7	e1.6	e0.54	6.8	5.2	17	90	219	55	27	e23	20
28	e2.5	e1.6	e0.56	3.5	3.9	18	79	213	42	25	e24	23
29	e2.4	e1.5	e0.88	3.1	---	19	77	198	45	25	e25	63
30	e2.3	e1.6	e1.3	3.1	---	19	67	194	38	23	21	53
31	e2.0	---	e1.3	2.9	---	18	---	178	---	20	19	---
TOTAL	135.0	57.2	39.14	269.2	76.1	392.7	1,927	4,986	1,989	734	1,106	741
MEAN	4.35	1.91	1.26	8.68	2.72	12.7	64.2	161	66.3	23.7	35.7	24.7
MAX	13	2.5	2.1	18	5.9	27	128	247	165	31	108	63
MIN	2.0	1.5	0.54	1.3	1.3	1.1	18	56	35	20	18	19
AC-FT	268	113	78	534	151	779	3,820	9,890	3,950	1,460	2,190	1,470
(+)	184	a	a	a	a	>35	0.3	96	369	505	627	281

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2005, BY WATER YEAR (WY)

MEAN	16.6	10.6	8.18	7.80	7.46	10.6	32.7	78.4	64.6	33.7	43.2	27.7
MAX	87.6	60.7	39.4	21.9	25.5	51.2	244	555	314	142	182	111
(WY)	(1942)	(1942)	(1907)	(1907)	(1907)	(1987)	(1942)	(1941)	(1941)	(1911)	(1961)	(1991)
MIN	0.64	0.38	0.31	0.00	0.53	0.68	1.02	1.44	1.11	3.02	1.43	0.46
(WY)	(1957)	(1957)	(2004)	(1908)	(1957)	(2003)	(2003)	(2003)	(1956)	(1934)	(1956)	(1956)

07215500 MORA RIVER AT LA CUEVA, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1906 - 2005	
ANNUAL TOTAL	5,424.06		12,452.34			
ANNUAL MEAN	14.8		34.1		28.4	
HIGHEST ANNUAL MEAN					113	1941
LOWEST ANNUAL MEAN					2.27	2002
HIGHEST DAILY MEAN	104	May 10	247	May 24	1,060	Apr 23, 1942
LOWEST DAILY MEAN	0.02	Mar 11	0.54	Dec 27	0.00	Dec 22, 1907
ANNUAL SEVEN-DAY MINIMUM	0.03	Mar 11	0.75	Dec 23	0.00	Dec 22, 1907
MAXIMUM PEAK FLOW			285	Aug 4	1,530	Sep 23, 1941
MAXIMUM PEAK STAGE			3.58	Aug 4	7.58	Sep 23, 1941
INSTANTANEOUS LOW FLOW			0.46	Dec 27	0.00	Dec 22, 1907
ANNUAL RUNOFF (AC-FT)	10,760		24,700		20,600	
10 PERCENT EXCEEDS	42		108		72	
50 PERCENT EXCEEDS	7.6		20		12	
90 PERCENT EXCEEDS	0.60		1.5		1.5	

- a Unknown.
- (+)Diversion, in acre-feet, by La Cueva Canal.
- > Greater than.
- e Estimated

07216500 MORA RIVER NEAR GOLONDRINAS, NM

LOCATION.--Lat 35°53'27", long 105°09'47", Mora County, Hydrologic Unit 11080004, in Mora Grant, on right bank 0.7 mi upstream from bridge on State Highway 161, 1.2 mi east of Golondrinas, 1.9 mi upstream from Coyote Creek, 4.7 mi downstream from Rito Cebolla, and at mile 75.8.

DRAINAGE AREA.--267 mi².

PERIOD OF RECORD.--March 1915 to May 1921, October 1921 to March 1922, May, August, and September 1922, July 1923 to July 1924, December 1924 to September 1986, March 1988 to current year. Monthly discharge only, 1915-30, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1951(M). WSP 1311: 1935(M), 1937-38(M), 1940-42(M), 1949(M). WSP 1511: drainage area. WSP 1731: 1958(M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,750 ft above NGVD of 1929, from topographic map. Mar. 10, 1915, to June 4, 1921, water-stage recorder at site 2.8 mi upstream at different datum. July 6, 1921, to Jan. 5, 1929, nonrecording gage or water-stage recorder at site 0.7 mi downstream at datum about 14 ft lower. Jan. 6, 1929, to Apr. 1, 1972, water-stage recorder at site 0.7 mi downstream at datum about 15 ft lower.

REMARKS.--Records good except for those estimated, which are poor. Diversions for irrigation of about 12,000 acres upstream from station. Off-channel lakes make it possible to divert and store water during non-irrigation season. Several observations of water temperature were made during the year. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of Sept. 29, 1904, and June 11, 1913, probably exceeded 25,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	7.7	e7.6	e5.0	7.3	7.0	23	52	155	32	19	29
2	10	7.3	e7.2	e4.8	7.2	5.2	24	68	136	29	20	41
3	9.4	7.3	e7.0	e4.8	7.4	5.4	23	73	124	e24	20	36
4	8.8	7.3	e9.0	e8.0	7.4	4.4	24	78	98	21	19	38
5	13	7.0	e8.7	e4.9	6.9	4.9	26	75	96	21	127	32
6	17	5.3	e8.4	e5.0	7.0	5.2	26	83	96	22	56	34
7	11	4.5	e8.0	e4.8	7.5	5.1	26	99	92	23	44	34
8	10	4.5	e7.8	e4.5	7.9	4.9	26	110	67	20	40	32
9	9.5	4.5	e7.0	e4.3	7.8	4.6	31	114	e58	22	36	35
10	8.5	4.4	e7.0	e4.3	7.2	4.3	35	123	51	23	31	29
11	9.6	4.4	e6.8	5.9	7.1	4.3	36	131	60	24	31	26
12	9.9	4.6	e6.8	16	9.8	12	34	136	66	18	39	25
13	10	6.2	e6.5	18	9.5	14	25	127	55	22	47	27
14	12	6.7	e6.4	19	6.8	17	32	126	43	23	45	25
15	11	6.3	e6.2	19	5.8	22	40	125	41	19	47	26
16	10	8.4	e5.8	19	6.2	28	67	116	41	24	62	26
17	9.8	9.0	e5.4	18	6.2	26	110	123	41	23	50	26
18	10	6.4	e5.2	17	6.0	20	106	136	40	22	40	26
19	10	6.0	e5.4	17	6.0	23	114	142	36	24	38	25
20	12	7.2	e5.4	17	5.3	27	113	155	35	22	36	23
21	14	9.2	e5.2	18	5.2	35	115	183	31	23	35	23
22	15	12	e5.6	17	6.0	42	100	213	35	23	33	21
23	10	11	e5.4	17	7.6	40	101	208	33	24	34	23
24	10	9.5	e5.2	17	9.3	33	94	226	32	26	35	22
25	12	e9.8	e5.0	16	10	28	105	211	32	26	32	21
26	10	e9.5	e3.8	12	9.4	27	94	203	50	27	28	21
27	8.6	e8.8	e3.0	13	9.1	24	87	202	49	30	28	21
28	8.2	e8.0	e3.2	8.4	9.1	24	76	204	36	25	30	e24
29	8.2	e7.4	e3.6	7.3	---	26	73	192	39	24	33	60
30	8.0	e7.3	e5.0	8.3	---	26	66	186	36	23	29	68
31	8.1	---	e5.2	8.1	---	24	---	176	---	20	26	---
TOTAL	322.9	217.5	187.8	358.4	208.0	573.3	1,852	4,396	1,804	729	1,190	899
MEAN	10.4	7.25	6.06	11.6	7.43	18.5	61.7	142	60.1	23.5	38.4	30.0
MAX	17	12	9.0	19	10	42	115	226	155	32	127	68
MIN	8.0	4.4	3.0	4.3	5.2	4.3	23	52	31	18	19	21
AC-FT	640	431	373	711	413	1,140	3,670	8,720	3,580	1,450	2,360	1,780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2005, BY WATER YEAR (WY)

MEAN	21.2	14.0	11.6	11.7	11.0	12.8	43.1	91.0	72.4	39.3	54.7	32.7
MAX	119	86.8	38.9	29.7	27.2	68.8	361	661	377	321	307	153
(WY)	(1942)	(1942)	(1942)	(1942)	(1919)	(1985)	(1942)	(1941)	(1941)	(1919)	(1961)	(1991)
MIN	0.21	0.40	0.52	0.65	0.55	0.58	0.25	0.75	0.03	1.45	0.00	0.27
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1955)	(2003)	(1934)	(2002)	(1934)	(1956)

07216500 MORA RIVER NEAR GOLONDRINAS, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1915 - 2005	
ANNUAL TOTAL	7,319.6		12,737.9			
ANNUAL MEAN	20.0		34.9		34.0	
HIGHEST ANNUAL MEAN					144	1941
LOWEST ANNUAL MEAN					2.31	2003
HIGHEST DAILY MEAN	217	Apr 8	226	May 24	1,750	Apr 23, 1942
LOWEST DAILY MEAN	1.9	Jan 6	3.0	Dec 27	0.00	May 4, 1917
ANNUAL SEVEN-DAY MINIMUM	2.4	Jan 1	4.1	Dec 24	0.00	Aug 4, 1917
MAXIMUM PEAK FLOW			254	May 24	a14,000	Aug 22, 1952
MAXIMUM PEAK STAGE			2.60	May 24	b14.40	Aug 22, 1952
INSTANTANEOUS LOW FLOW			2.0	Jan 8	0.00	May 3, 1917
ANNUAL RUNOFF (AC-FT)	14,520		25,270		24,600	
10 PERCENT EXCEEDS	55		99		83	
50 PERCENT EXCEEDS	10		22		13	
90 PERCENT EXCEEDS	2.9		5.3		2.0	

- a From rating curve extended above 660 ft³/s, on basis of slope-area measurement of peak flow.
- b Site and datum then in use.
- e Estimated

07218000 COYOTE CREEK NEAR GOLONDRINAS, NM

LOCATION.--Lat 35°54'57", long 105°09'52", Mora County, Hydrologic Unit 11080004, in Mora Grant, on left bank 0.5 mi downstream from Coyote Creek damsite, 2.3 mi northeast of Golondrin, and at mile 2.7.

DRAINAGE AREA.--215 mi².

PERIOD OF RECORD.--April 1928 to September 1930 (monthly discharge only, published in WSP 1311), October 1930 to current year.

REVISED RECORDS.--WSP 1281: 1939-40(M), 1941-42, 1945-47. WSP 1511: drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,780 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Apr. 26, 1938, at site 0.4 mi downstream at different datum (nonrecording gage prior to Apr. 20, 1929). Apr. 26, 1938 to Sept. 25, 1946, at site 139 ft downstream at same datum, June 7, 2000, at site 250 ft downstream at a 2.00-ft lower datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions (including off-channel storage) for irrigation of about 4,000 acres upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	1.9	e2.6	e3.7	e7.6	29	9.1	74	27	3.1	2.6	5.9
2	2.3	1.9	e2.8	e3.3	e7.2	24	7.5	144	22	3.0	2.4	11
3	2.2	1.9	e3.0	e3.5	e7.0	9.1	4.8	179	19	2.8	2.2	6.5
4	2.2	2.0	e2.8	e3.2	e7.4	8.0	3.3	347	14	2.8	e2.6	6.3
5	7.2	e2.0	e2.6	e3.2	e7.6	8.4	2.3	410	8.9	2.9	23	6.8
6	5.9	e2.1	e2.7	e2.9	e7.7	9.0	2.1	360	6.6	2.8	14	7.5
7	1.9	e2.3	e2.7	e3.1	e8.2	8.7	2.9	256	4.8	2.6	5.9	39
8	1.5	2.2	e2.8	e3.2	e8.6	6.9	5.3	218	2.5	2.5	4.5	8.4
9	1.4	2.3	e2.7	e2.9	e8.7	8.0	2.7	169	2.1	2.5	4.1	7.7
10	1.4	e2.2	e2.7	e2.7	e8.4	7.9	3.7	131	2.2	2.5	3.8	7.3
11	1.5	e2.8	e3.1	4.6	e8.0	6.5	6.4	132	2.5	2.3	3.9	7.1
12	1.5	e3.1	e3.1	e7.8	e7.8	4.4	7.8	119	3.0	2.3	5.6	6.4
13	1.9	e3.4	e3.2	e7.4	7.7	3.6	4.3	104	2.3	2.5	8.7	6.7
14	2.1	e3.1	e2.2	e7.0	7.5	5.9	4.1	104	2.5	2.5	5.7	6.3
15	1.9	3.3	e2.8	e7.4	8.1	8.8	8.4	145	2.5	2.6	5.4	6.1
16	1.5	3.2	e3.0	e7.6	10	5.5	67	99	3.2	3.2	5.9	6.1
17	1.6	2.8	e3.1	e7.2	16	7.9	197	92	3.4	2.7	6.3	5.9
18	1.6	2.7	e2.9	e6.8	e15	20	154	71	2.8	2.6	6.2	5.7
19	1.6	2.7	e2.6	e6.4	e16	10	145	48	3.3	2.6	6.5	5.4
20	1.6	e2.8	e2.6	e6.0	e17	11	127	40	3.5	2.5	6.2	5.1
21	1.6	e2.8	e2.8	5.8	e15	12	69	31	3.3	2.4	6.0	5.0
22	1.7	e2.7	e2.9	e6.0	e14	8.8	44	25	2.7	2.5	6.4	4.9
23	1.7	e2.9	e2.6	e6.3	e12	7.5	30	23	2.5	2.3	5.3	5.2
24	1.7	e2.6	e2.0	e6.0	e14	7.3	53	18	3.7	2.3	4.1	5.0
25	1.8	e2.8	e2.1	e6.3	e14	7.9	104	12	4.6	2.3	4.0	4.5
26	1.8	e2.8	e2.7	6.4	e13	13	247	8.7	49	3.1	5.0	4.0
27	1.8	e2.9	e2.7	7.5	e16	8.4	254	11	108	3.8	5.1	3.7
28	1.9	e2.7	e2.9	7.8	24	6.6	190	164	6.1	3.4	e4.6	3.2
29	1.8	e2.2	e2.7	7.6	---	6.7	129	80	4.2	3.2	5.0	6.3
30	1.8	e2.1	e3.3	7.4	---	7.2	90	32	3.4	2.9	4.4	8.2
31	1.9	---	e3.0	e7.7	---	7.5	---	23	---	2.7	4.2	---
TOTAL	64.5	77.2	85.7	174.7	313.5	295.5	1,974.7	3,669.7	325.6	84.2	179.6	217.2
MEAN	2.08	2.57	2.76	5.64	11.2	9.53	65.8	118	10.9	2.72	5.79	7.24
MAX	7.2	3.4	3.3	7.8	24	29	254	410	108	3.8	23	39
MIN	1.4	1.9	2.0	2.7	7.0	3.6	2.1	8.7	2.1	2.3	2.2	3.2
AC-FT	128	153	170	347	622	586	3,920	7,280	646	167	356	431

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

	8.92	8.76	7.94	7.57	7.86	9.43	20.1	31.4	15.8	8.73	16.5	11.2
MEAN	8.92	8.76	7.94	7.57	7.86	9.43	20.1	31.4	15.8	8.73	16.5	11.2
MAX	80.4	53.9	24.2	19.7	19.4	77.6	195	219	181	67.0	150	150
(WY)	(1942)	(1942)	(1942)	(1992)	(1985)	(1987)	(1987)	(1941)	(1995)	(1941)	(1991)	(1991)
MIN	0.72	1.71	1.06	1.31	1.12	1.02	0.32	0.53	0.23	0.68	0.75	0.65
(WY)	(1957)	(1935)	(2004)	(2004)	(1955)	(1967)	(1978)	(1967)	(1940)	(2003)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1930 - 2005

ANNUAL TOTAL	1,117.33	7,462.1		
ANNUAL MEAN	3.05	20.4	12.9	
HIGHEST ANNUAL MEAN			52.9	1942
LOWEST ANNUAL MEAN			1.34	2003
HIGHEST DAILY MEAN	163	Aug 5	410	May 5
LOWEST DAILY MEAN	0.46	Jun 18	1.4	Oct 9
ANNUAL SEVEN-DAY MINIMUM	0.50	Jun 16	1.6	Oct 7
MAXIMUM PEAK FLOW			1,860	May 28
MAXIMUM PEAK STAGE			4.45	May 28
INSTANTANEOUS LOW FLOW			1.4	Oct 9
ANNUAL RUNOFF (AC-FT)	2,220	14,800	9,330	
10 PERCENT EXCEEDS	4.8	46	24	
50 PERCENT EXCEEDS	2.1	5.0	5.5	
90 PERCENT EXCEEDS	0.86	2.2	1.1	

a From rating curve extended above 250 ft³/s, on basis of slope-area measurement at gage heights 5.54 ft, 7.74 ft, and 9.60 ft.

b Site and datum then in use.

c Estimated

07221500 CANADIAN RIVER NEAR SANCHEZ, NM

LOCATION.--Lat 35°39'19", long 104°22'43", in SW ¼ sec.34, T.17 N., R.24 E., San Miguel County, Hydrologic Unit 11080003, on right bank 1,000 ft downstream from bridge on State Highway 419, 0.9 mi upstream from Lagartija Creek, 3.2 mi northeast of Sanchez, 10 mi downstream from Mora River, 25 mi southwest of Mosquero, and at mile 777.0.

DRAINAGE AREA.--6,015 mi², of which 303 mi² probably is noncontributing.

PERIOD OF RECORD.--May 1912 to December 1914, October 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1177: drainage area. WSP 1281: 1939, 1940(P), 1942, 1946. WSP 1731: 1956-57(M). WDR NM-82-1: 1965(M), 1979(M). The revised figures of discharge for Sept. 1942, as published in WSP 1281, supersede those published in WSP 1311.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,500 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 2121 for history of changes prior to Nov. 1966.

REMARKS.--Records fair. Diversions for irrigation of about 56,000 acres upstream from station. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Sept. 29 or 30, 1904, probably exceeded 100,000 ft³/s, but is believed to have been less than the peak of June 18, 1965.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	20	37	e32	e41	58	215	440	424	40	1.5	49
2	31	17	33	e34	e40	56	203	438	391	33	1.1	66
3	26	15	27	e37	e39	54	181	430	364	28	0.75	46
4	28	13	26	e40	e38	50	162	474	352	26	0.80	80
5	86	13	25	e32	e42	48	349	508	292	23	36	67
6	232	12	24	e36	e46	46	354	594	258	84	60	170
7	136	13	25	e40	e50	48	373	645	230	32	25	319
8	135	13	26	e41	e52	44	329	524	204	23	59	60
9	120	13	23	e38	e49	39	314	538	180	22	46	84
10	80	13	22	e58	e54	39	297	499	150	21	35	133
11	55	13	22	e39	e58	39	274	453	118	15	33	85
12	48	13	19	e38	e63	37	359	491	100	15	90	65
13	48	17	22	e37	e57	33	311	559	130	19	126	55
14	35	20	23	e39	e52	38	323	527	121	15	244	45
15	30	19	21	e38	e46	45	442	507	115	11	164	38
16	26	19	20	e39	e51	45	463	487	92	8.5	107	32
17	28	17	22	e37	e51	48	557	515	72	6.8	563	25
18	26	19	21	e47	49	80	880	500	68	5.5	309	21
19	23	20	22	e50	51	148	1,010	512	61	5.3	155	20
20	21	21	35	e48	47	183	943	532	62	4.7	111	19
21	20	21	e27	e43	41	195	971	503	57	4.0	91	16
22	19	21	e20	e44	44	165	876	464	47	4.0	75	14
23	17	46	e15	e37	49	168	759	438	40	3.4	85	12
24	17	130	e15	e38	48	171	667	436	35	2.8	134	11
25	16	107	e22	e39	51	164	636	432	32	1.7	72	8.4
26	16	77	e22	e39	56	185	658	412	36	1.5	82	7.3
27	16	61	27	e45	54	225	646	401	35	2.3	54	6.9
28	138	55	27	e47	57	377	586	451	29	3.0	215	6.5
29	57	48	30	e46	---	311	561	457	28	2.5	79	12
30	35	41	36	e44	---	207	496	489	24	2.4	53	12
31	25	---	37	e43	---	195	---	470	---	2.1	38	---
TOTAL	1,628	927	773	1,265	1,376	3,541	15,195	15,126	4,147	467.5	3,145.15	1,585.1
MEAN	52.5	30.9	24.9	40.8	49.1	114	506	488	138	15.1	101	52.8
MAX	232	130	37	58	63	377	1,010	645	424	84	563	319
MIN	16	12	15	32	38	33	162	401	24	1.5	0.75	6.5
AC-FT	3,230	1,840	1,530	2,510	2,730	7,020	30,140	30,000	8,230	927	6,240	3,140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

MEAN	101	58.2	49.4	52.0	61.8	61.4	208	407	367	218	301	225
MAX	870	506	252	183	363	737	5,573	4,721	4,260	1,129	1,173	4,079
(WY)	(1942)	(1942)	(1942)	(1943)	(1961)	(1987)	(1942)	(1941)	(1965)	(1914)	(1946)	(1942)
MIN	0.00	1.43	1.97	1.42	1.46	0.74	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1936)	(1967)	(1974)	(1964)	(2003)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1913 - 2005

ANNUAL TOTAL	32,251.02	49,175.75	
ANNUAL MEAN	88.1	135	178
HIGHEST ANNUAL MEAN			1,191
LOWEST ANNUAL MEAN			3.73
HIGHEST DAILY MEAN	1,620	Aug 8	50,000
LOWEST DAILY MEAN	0.64	Jun 19	0.00
ANNUAL SEVEN-DAY MINIMUM	0.81	Mar 26	0.00
MAXIMUM PEAK FLOW			2,180
MAXIMUM PEAK STAGE			6.85
INSTANTANEOUS LOW FLOW			0.68
ANNUAL RUNOFF (AC-FT)	63,970	97,540	128,800
10 PERCENT EXCEEDS	270	459	334
50 PERCENT EXCEEDS	24	46	43
90 PERCENT EXCEEDS	2.1	13	3.3

a From rating curve extended above 91,000 ft³/s, on basis of slope-area measurement of peak flow.

b From floodmarks, present site and datum.

c Many days.

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-97, March 2005- September 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAR 10...	1015	39	37	650	9.2	96	8.4	1,300	16.0	10.0	520	114	58.1
JUN 16...	1030	96	69	660	7.8	105	8.4	773	29.0	22.5	320	75.6	32.2
SEP 12...	1330	64	89	650	8.0	110	8.4	567	27.5	23.0	230	59.0	20.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd inc tit, mg/L (00453)	Carbonate, wat fltrd inc tit, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
MAR 10...	2.58	2	99.1	184	218	3	25.6	.4	6.8	511	927	--	.20
JUN 16...	2.44	1	50.6	170	200	4	11.4	.4	9.5	219	503	--	.20
SEP 12...	3.03	.9	30.2	147	174	3	8.70	.4	10.7	120	340	361	.27

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
MAR 10...	.32	<.04	E.030	<.06	<.008	<.02	E.003	.035	S.0	20	E1	<.20	<2
JUN 16...	.41	<.04	<.100	<.06	<.008	<.02	.005	.087	220	E6,000	2	E.17	<2
SEP 12...	.47	<.04	--	<.06	<.008	<.02	.012	.079	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
MAR 10...	80	<.06	67	<.04	<.8	.368	1.8	<6	<.08	10.4	<.01	2.3	2.51
JUN 16...	99	<.06	54	<.04	<.8	.205	2.4	<6	<.08	.4	<.01	2.6	4.05
SEP 12...	--	--	60	--	--	--	--	<6	--	--	--	--	--

07221500 CANADIAN RIVER NEAR SANCHEZ, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
MAR 10...	<3	<3	<.2	1.6	3.72	99	56
JUN 16...	<3	<3	<.2	.7	2.28	97	90
SEP 12...	--	--	--	--	--	--	--

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.
- S -- Most probable value.

07223500 CONCHAS LAKE AT CONCHAS DAM, NM

LOCATION.--Lat 35°24'10", long 104°11'25", San Miguel County, Hydrologic Unit 11080003, in Pablo Montoya Grant, stilling well within concrete portion of Conchas Dam on Canadian River, 24.0 mi north of Newkirk, and at mile 746.0.

DRAINAGE AREA.--7,409 mi², of which 433 mi², probably is noncontributing.

PERIOD OF RECORD.--December 1938 to September 1965 (month end contents only), October 1965 to current year. Prior to October 1965, published as Conchas Reservoir near Conchas Dam.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Lake is formed by dam consisting of concrete main section and earthfill wings, completed Sept. 15, 1939; storage began Dec. 29, 1938. Capacity, 315,700 acre-ft between elevations 4,060.0 ft and 4,201.0 ft, crest of 300-ft ungated service spillway. Inactive storage, 70,490 acre-ft, at elevation 4,155.0 ft. Lake usually not drawn below elevation, 4,157.35 ft, sill of irrigation outlet, capacity, 77,790 acre-ft, except for minor sluicing; at times irrigation water is pumped into Conchas Canal. Capacity of 198,800 acre-ft between elevations 4,201.0 ft, crest of 300-ft ungated service spillway, and 4,218.0 ft, crest of 3,000-ft ungated emergency spillway, acts as detention storage in the control of floods. Figures given herein represent total contents. Lake is used for irrigation, flood control, and recreation. Diversions upstream from station for irrigation of about 57,000 acres. Direct diversions through Conchas Dam to Bell Ranch Canal and Conchas Canal (stations 07223000, 07223300) irrigate about 36,000 acres near Tucumcari, and on Bell Ranch. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 479,600 acre-ft, Apr. 24, 1942, elevation, 4,208.41 ft; minimum after initial filling, 71,450 acre-ft, Oct. 5, 2003, elevation, 4,158.43 ft; minimum elevation, 4,155.80 ft, Sept. 24, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 196,320 acre-ft, June 6, elevation, 4,186.01 ft; minimum, 120,650 acre-ft, Oct. 1, elevation, 4,171.80 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120,650	124,330	124,780	124,590	127,020	128,830	135,160	164,520	195,300	185,850	172,420	172,420
2	120,690	124,240	124,860	125,130	127,060	128,830	135,490	166,140	195,560	185,300	171,780	174,810
3	120,690	124,200	124,820	125,220	127,150	128,920	135,770	167,040	195,810	184,560	171,150	174,930
4	120,690	123,710	124,820	125,360	127,290	128,970	136,060	167,890	196,000	184,010	171,670	174,870
5	121,820	123,670	124,860	125,400	127,330	129,010	136,300	168,910	196,310	185,420	171,840	174,750
6	123,140	123,630	124,860	125,490	127,510	129,100	136,920	171,320	196,320	184,930	171,490	174,750
7	123,800	123,580	124,860	125,490	127,600	129,100	137,590	172,530	196,070	184,620	171,150	175,630
8	124,110	123,580	124,820	125,540	127,600	129,150	138,320	173,460	195,870	184,260	170,800	175,810
9	124,290	123,580	124,780	125,580	127,690	129,200	138,940	174,460	195,490	183,830	170,510	175,570
10	124,420	123,540	124,780	125,580	127,780	129,150	139,330	175,340	195,230	183,340	170,000	175,340
11	124,560	123,490	124,780	125,620	127,830	129,200	139,870	176,160	194,790	182,980	168,000	175,340
12	124,600	123,450	124,780	125,580	128,010	129,150	140,400	176,930	194,340	182,010	170,630	175,100
13	124,600	123,800	124,730	125,580	128,060	129,240	141,040	177,760	193,840	181,830	172,010	174,810
14	124,640	123,800	124,820	125,580	128,100	129,610	141,680	178,770	193,520	180,800	172,130	174,460
15	124,600	123,850	124,730	125,620	128,060	129,880	142,380	181,520	193,260	181,220	171,950	174,170
16	124,640	123,850	124,730	125,670	128,100	129,930	143,810	182,610	192,700	180,740	171,950	173,820
17	124,560	123,890	124,730	125,720	128,150	129,980	144,720	183,460	191,750	180,380	171,950	173,400
18	124,510	123,890	124,730	125,720	128,330	130,020	146,000	184,440	191,380	180,020	172,880	173,000
19	124,380	123,890	124,780	125,850	128,380	130,110	147,900	185,360	190,750	179,420	173,060	172,650
20	124,290	123,930	124,640	125,890	128,380	130,390	149,540	186,340	190,250	178,950	173,060	172,300
21	124,290	123,980	124,690	125,980	128,420	130,670	151,560	187,330	191,060	178,530	173,060	171,950
22	124,200	123,980	124,780	126,030	128,470	130,990	153,350	188,260	190,500	177,880	173,000	171,320
23	124,070	124,240	124,780	126,070	128,510	131,270	154,830	189,000	190,000	177,280	172,880	170,860
24	123,930	124,290	124,820	126,160	128,510	131,500	156,590	189,500	189,500	176,750	172,830	170,510
25	123,890	124,510	124,820	126,210	128,560	131,920	157,770	189,880	189,310	176,280	172,770	170,000
26	123,890	124,560	124,860	126,250	128,600	132,480	159,020	190,370	189,060	175,100	172,590	169,600
27	123,850	124,690	124,910	126,390	128,650	132,800	160,320	191,440	189,940	174,690	172,590	169,140
28	123,800	124,690	124,910	126,430	128,740	133,360	161,360	191,940	187,640	174,690	172,650	168,910
29	123,800	124,730	124,910	126,480	---	134,020	162,520	192,760	187,020	174,170	172,770	169,140
30	124,470	124,780	125,000	126,880	---	134,490	163,620	193,640	186,400	173,580	172,590	168,860
31	124,420	---	124,910	126,930	---	134,780	---	194,790	---	172,940	172,420	---
MAX	124,640	124,780	125,000	126,930	128,740	134,780	163,620	194,790	196,320	185,850	173,060	175,810
MIN	120,650	123,450	124,640	124,590	127,020	128,830	135,160	164,520	186,400	172,940	168,000	168,860
(+)	4,172.66	4,172.74	4,172.77	4,173.22	4,173.62	4,174.92	4,180.54	4,185.77	4,184.43	4,182.18	4,182.09	4,181.47
(++)	+3,770	+360	+130	+2,020	+1,810	+6,040	+28,840	+31,170	-8,390	-13,460	-520	-3,560
CAL YR	2004	MAX 125,000	MIN 74,220									
WTR YR	2005	MAX 196,320	MIN 120,650									

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

07226500 UTE CREEK NEAR LOGAN, NM

LOCATION.--Lat 35°26'18", long 103°31'31", in NW 1/4 SE 1/4 sec.15, T.14 N., R.32 E., Harding County, Hydrologic Unit 11080007, on right bank 1.9 mi downstream from Alamosa Creek, 4.5 mi upstream from State Road 155, 4.7 mi upstream from high-water line of Ute Reservoir, 8.2 mi northwest of Logan, and at mile 10.0.

DRAINAGE AREA.--2,060 mi², of which 617 mi² probably is noncontributing.

PERIOD OF RECORD.--January 1912 to May 1914 (gage heights and discharge measurements only), January 1942 to current year. Records of discharge for August 1904 to June 1906 and April 1909 to December 1911, published in WSP 307, are unreliable and should not be used.

REVISED RECORDS.--WSP 1281: 1942-48, 1950, 1951(P). WDR NM-81-1: 1965(P), 1967-68(M), 1969(P), 1971(M), 1972, 1975(M), 1977, 1979. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,820 ft above NGVD of 1929, from topographic map. See WSP 2121 for history of changes prior to Oct. 1, 1964.

REMARKS.--Records poor. Diversions for irrigation of a few hundred acres upstream from station. No flow most of time.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1914, reached a stage of 22.95 ft at site and datum then in use. Another major flood reached a stage of 16.0 ft, 1942 datum, sometime in 1941, from information furnished by Bureau of Reclamation; discharge, about 70,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.60	0.00	e0.03	0.74	7.1	2.0	6.4	1.1	86	0.00	0.00	0.00
2	e0.15	0.00	e0.01	1.0	6.7	1.8	5.5	11	47	0.00	0.00	0.00
3	e0.00	0.00	e0.00	1.3	7.3	1.3	4.6	7.5	e33	0.00	0.00	0.00
4	e0.00	0.00	e0.00	15	7.2	1.2	4.2	6.0	e26	0.00	0.00	0.00
5	e91	0.00	e3.9	8.3	6.5	0.96	4.2	5.0	e20	19	0.00	0.00
6	e48	0.00	e3.9	7.2	28	0.89	3.5	4.2	e14	16	0.00	0.00
7	e14	0.00	e2.8	7.3	22	0.72	3.4	44	e9.2	57	0.65	0.00
8	e6.5	0.00	e2.0	4.7	14	0.56	4.2	14	e3.6	2.3	0.00	0.00
9	e1.2	0.00	1.7	4.9	10	0.39	3.3	6.0	e0.79	0.07	0.00	0.00
10	e0.61	0.00	1.0	3.9	8.3	0.34	2.6	2.8	8.5	0.39	0.00	0.00
11	e0.11	0.00	0.97	3.8	6.8	0.15	1.5	1.2	5.9	0.00	31	0.00
12	e0.04	0.00	0.67	2.9	7.4	0.12	1.3	0.35	2.8	0.00	263	0.00
13	e0.00	0.00	0.31	2.2	6.5	0.04	1.1	0.09	0.45	0.65	208	0.00
14	0.00	0.00	0.14	1.3	4.8	1.4	0.88	0.02	e0.22	0.00	154	0.00
15	0.00	0.00	0.11	1.5	3.9	8.5	2.7	0.17	e0.18	0.00	57	0.00
16	0.00	0.00	0.05	0.97	3.2	14	34	0.11	e0.12	0.00	31	0.00
17	0.00	0.00	0.07	0.79	2.4	12	38	0.02	e0.10	0.00	21	0.00
18	0.00	0.00	0.04	0.92	3.1	18	33	0.00	e0.06	0.00	13	0.00
19	0.00	0.00	0.01	1.7	3.8	21	17	0.00	e0.03	0.00	9.1	0.00
20	0.00	0.00	0.06	2.3	3.3	17	10	0.00	0.00	0.00	5.5	0.00
21	0.00	0.00	0.01	2.4	2.6	15	6.8	0.00	0.00	0.00	e2.4	0.00
22	0.00	0.00	0.37	1.8	2.6	12	5.1	0.00	0.00	0.00	e1.8	0.00
23	0.00	e49	0.23	1.5	2.9	9.4	3.8	0.00	0.00	0.00	e1.1	0.00
24	0.00	e20	0.05	1.4	2.9	7.5	5.6	0.00	0.00	0.00	e0.80	0.00
25	0.00	e7.3	0.04	1.2	2.7	6.7	7.0	0.02	0.00	0.00	e0.50	0.00
26	0.00	e2.4	0.14	0.74	2.4	9.9	5.4	0.00	6.0	0.00	e0.35	0.00
27	0.00	e0.78	0.06	1.5	2.4	15	4.5	0.00	82	0.00	e0.15	0.00
28	0.00	e0.35	0.04	2.7	2.3	15	2.7	0.00	34	0.00	e0.05	0.00
29	0.00	e0.12	0.24	2.0	---	12	1.9	0.00	4.0	0.00	0.00	0.96
30	0.00	e0.09	0.42	17	---	8.7	1.2	121	0.37	0.00	0.00	e0.35
31	0.00	---	0.63	10	---	7.7	---	282	---	0.00	0.00	---
TOTAL	162.21	80.04	20.00	114.96	183.1	221.27	225.38	506.58	384.32	95.41	800.40	1.31
MEAN	5.23	2.67	0.65	3.71	6.54	7.14	7.51	16.3	12.8	3.08	25.8	0.04
MAX	91	49	3.9	17	28	21	38	282	86	57	263	0.96
MIN	0.00	0.00	0.00	0.74	2.3	0.04	0.88	0.00	0.00	0.00	0.00	0.00
AC-FT	322	159	40	228	363	439	447	1,000	762	189	1,590	2.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

	9.84	2.99	1.63	2.34	1.97	1.73	9.60	35.0	27.1	48.6	65.8	28.1
MEAN	9.84	2.99	1.63	2.34	1.97	1.73	9.60	35.0	27.1	48.6	65.8	28.1
MAX	139	92.5	39.9	39.7	26.3	23.7	459	351	191	317	520	261
(WY)	(1955)	(1979)	(1943)	(1942)	(1942)	(1948)	(1942)	(1955)	(1965)	(1950)	(1981)	(1969)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
(WY)	(1945)	(1946)	(1946)	(1946)	(1946)	(1946)	(1943)	(1945)	(1953)	(1946)	(1983)	(1948)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1942 - 2005
ANNUAL TOTAL	6,810.34	2,794.98	
ANNUAL MEAN	18.6	7.66	18.8
HIGHEST ANNUAL MEAN			57.2
LOWEST ANNUAL MEAN			0.08
HIGHEST DAILY MEAN	685	282	7,420
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		1,010	a24,500
MAXIMUM PEAK STAGE		2.87	b9.94
INSTANTANEOUS LOW FLOW		0.00	0.00
ANNUAL RUNOFF (AC-FT)	13,510	5,540	13,600
10 PERCENT EXCEEDS	45	15	14
50 PERCENT EXCEEDS	0.00	0.63	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

a From rating curve extended above 7,700 ft³/s, on basis of slope-area measurement at gage heights 5.2 ft and 7.2 ft.
b Site and datum then in use.
c Estimated

07226800 UTE RESERVOIR NEAR LOGAN, NM

LOCATION.--Lat 35°20'36", long 103°26'36", in NW ¼ sec.21, T.13 N., R.33 E., Quay County, Hydrologic Unit 11080006, on face of Ute Dam on Canadian River, 2.5 mi southwest of Logan, 3.5 mi downstream from Ute Creek, and at mile 673.1.

DRAINAGE AREA.--11,110 mi², of which 1,110 mi² probably is noncontributing.

PERIOD OF RECORD.--May 1963 to September 1965 (month end contents only), October 1965 to current year.

REVISED RECORDS.--WDR NM-78-1: 1977.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is North American Vertical Datum of 1988 (levels by Interstate Stream Commission). Prior to Feb. 25, 1974, nonrecording gage at same site and datum.

REMARKS.--Records fair. Reservoir is formed by an earthfill dam 132 ft high above streambed, 2,050 ft long; an earthen dike section on north bank of Canadian River 3,640 ft long with a maximum height of 38 ft; a concrete labyrinth spillway section with an equivalent weir length of 3,360 ft is located upstream from an 840-ft-long ogee section between the main embankment and dike. Original construction completed in May 1963, storage began Dec. 13, 1962; modification project to construct labyrinth spillway and increase height of dam and dike completed Apr. 1984. Capacity, 229,710 acre-ft at elevation 3,788.86 ft, crest of labyrinth spillway, from capacity table dated Dec. 2002. Original capacity at elevation 3,787.0 ft was 272,770 acre-ft. Top of dam is at elevation 3,813.86 ft. Dead storage, 9,230 acre-ft at elevation 3,726.86 ft, sill of outlet intake tower; inactive pool of 25,070 acre-ft, between elevations 3,726.86 and 3,743.46 ft, maintained for sediment control and fish and wildlife. Figures given herein represent total contents. Reservoir storage is for municipal and industrial uses, recreational purposes, sediment control and some incidental flood control. Diversions upstream from station for irrigation of about 90,000 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 250,000 acre-ft, May 20, 21, 1987, elevation, 3,787.40 ft; minimum since reservoir first filled in Sept. 1965, 31,320 acre-ft, June 6, 1984, elevation, 3,739.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 198,000 acre-ft, Sept. 6, elevation, 3,784.40 ft; minimum, 176,000 acre-ft, Oct. 4, elevation, 3,781.19 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177,000	179,000	180,000	179,000	180,000	181,000	181,000	182,000	185,000	183,000	183,000	193,000
2	177,000	179,000	180,000	179,000	180,000	181,000	181,000	182,000	186,000	182,000	183,000	196,000
3	177,000	179,000	180,000	178,000	180,000	181,000	181,000	182,000	186,000	182,000	183,000	197,000
4	176,000	179,000	180,000	179,000	180,000	181,000	181,000	182,000	186,000	182,000	182,000	197,000
5	178,000	179,000	180,000	179,000	180,000	181,000	181,000	183,000	185,000	184,000	183,000	197,000
6	181,000	179,000	180,000	179,000	181,000	181,000	181,000	183,000	185,000	185,000	183,000	197,000
7	182,000	179,000	179,000	179,000	181,000	180,000	181,000	182,000	185,000	186,000	183,000	197,000
8	182,000	179,000	179,000	179,000	181,000	181,000	181,000	182,000	185,000	186,000	183,000	197,000
9	182,000	179,000	179,000	179,000	181,000	181,000	181,000	183,000	185,000	186,000	183,000	197,000
10	181,000	178,000	179,000	179,000	181,000	180,000	181,000	183,000	185,000	186,000	183,000	197,000
11	181,000	178,000	179,000	179,000	181,000	180,000	181,000	182,000	184,000	186,000	183,000	197,000
12	182,000	178,000	179,000	179,000	181,000	180,000	181,000	182,000	184,000	185,000	186,000	197,000
13	181,000	179,000	179,000	179,000	181,000	180,000	181,000	182,000	184,000	185,000	188,000	197,000
14	181,000	179,000	179,000	179,000	181,000	181,000	181,000	182,000	184,000	184,000	189,000	196,000
15	181,000	179,000	179,000	179,000	180,000	181,000	181,000	182,000	184,000	184,000	190,000	196,000
16	181,000	179,000	179,000	179,000	181,000	181,000	182,000	182,000	184,000	184,000	191,000	196,000
17	181,000	179,000	179,000	179,000	181,000	181,000	183,000	182,000	184,000	184,000	191,000	196,000
18	181,000	179,000	179,000	179,000	181,000	181,000	183,000	182,000	183,000	184,000	191,000	196,000
19	181,000	179,000	179,000	179,000	181,000	181,000	183,000	182,000	183,000	184,000	192,000	196,000
20	181,000	e179,000	179,000	179,000	181,000	182,000	183,000	182,000	183,000	184,000	192,000	196,000
21	181,000	e179,000	179,000	179,000	181,000	181,000	183,000	182,000	183,000	183,000	192,000	196,000
22	180,000	179,000	179,000	179,000	181,000	181,000	182,000	181,000	183,000	183,000	192,000	196,000
23	180,000	180,000	179,000	179,000	181,000	181,000	183,000	181,000	183,000	183,000	193,000	195,000
24	180,000	180,000	179,000	179,000	181,000	181,000	183,000	181,000	183,000	183,000	193,000	195,000
25	180,000	180,000	179,000	179,000	181,000	181,000	183,000	181,000	183,000	183,000	193,000	195,000
26	180,000	180,000	179,000	179,000	181,000	182,000	183,000	181,000	184,000	183,000	192,000	195,000
27	180,000	180,000	179,000	179,000	181,000	182,000	183,000	181,000	184,000	184,000	192,000	195,000
28	180,000	180,000	179,000	179,000	181,000	182,000	182,000	181,000	183,000	184,000	192,000	195,000
29	180,000	180,000	179,000	179,000	---	182,000	182,000	182,000	183,000	184,000	192,000	195,000
30	180,000	180,000	179,000	180,000	---	182,000	182,000	183,000	183,000	184,000	192,000	195,000
31	180,000	---	179,000	180,000	---	182,000	---	184,000	---	183,000	192,000	---
MAX	182,000	180,000	180,000	180,000	181,000	182,000	183,000	184,000	186,000	186,000	193,000	197,000
MIN	176,000	178,000	179,000	178,000	180,000	180,000	181,000	181,000	183,000	182,000	182,000	193,000
(+)	3,781.70	3,781.75	3,781.55	3,781.70	3,781.88	3,781.99	3,782.07	3,782.38	3,782.25	3,782.27	3,783.61	3,784.09
(++)	+2,000	+1,000	-1,000	+1,000	+1,000	+1,000	0	+2,000	-1,000	0	+9,000	+3,000
CAL YR	2004	MAX 182,000	MIN 148,000									
WTR YR	2005	MAX 198,000	MIN 176,000									

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

e Estimated

ARKANSAS RIVER BASIN

07227000 CANADIAN RIVER AT LOGAN, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	1,356.04		1,408.6			
ANNUAL MEAN	3.71		3.86		a38.9	
HIGHEST ANNUAL MEAN					145	1999
LOWEST ANNUAL MEAN					1.62	1964
HIGHEST DAILY MEAN	29	Jun 30	32	Aug 12	6,860	Jun 18, 1969
LOWEST DAILY MEAN	0.91	Jan 27	2.2	Apr 10	0.10	Jan 12, 1963
ANNUAL SEVEN-DAY MINIMUM	0.93	Feb 8	2.4	Apr 7	0.10	Apr 16, 1963
MAXIMUM PEAK FLOW			194	Aug 12	b219,000	Sep 22, 1941
MAXIMUM PEAK STAGE			3.94	Aug 12	c29.30	Sep 22, 1941
INSTANTANEOUS LOW FLOW			1.9	Feb 15	1.9	Feb 15, 2005
ANNUAL RUNOFF (AC-FT)	2,690		2,790		28,200	
10 PERCENT EXCEEDS	6.2		4.9		21	
50 PERCENT EXCEEDS	3.2		3.4		2.9	
90 PERCENT EXCEEDS	1.1		2.7		1.8	

a Average discharge for 15 years (water years 1909, 1912-13,) 392 ft³/s, 284,000 acre-ft/yr, prior to completion of Conchas Dam, 24 years (water years 1939-62), 257 ft³/s, 186,200 acre-ft/yr, prior to completion of Ute Dam.

b From rating curve extended above 75,000 ft³/s.

c From floodmarks.

07227000 CANADIAN RIVER AT LOGAN, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-62, 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
25...	1315	E3.8	665	8.5	99	8.3	7,650	17.0	15.0	570	114	68.7	8.95
28...	1654	4.2	--	--	--	8.1	8,000	26.5	22.5	--	--	--	--
DEC													
07...	1434	3.5	--	--	--	7.9	7,560	20.0	11.0	--	--	--	--
16...	1222	E3.1	679	10.0	95	7.8	7,870	10.0	7.0	--	--	--	--
JAN													
27...	1217	3.5	--	--	--	8.0	8,120	5.0	8.5	--	--	--	--
MAR													
03...	1350	3.1	--	--	--	8.7	7,830	19.0	13.0	--	--	--	--
09...	1100	E3.5	674	8.5	92	8.0	8,820	16.0	12.0	600	124	69.6	8.99
APR													
14...	1120	E2.5	670	8.3	101	8.0	7,720	19.0	17.0	--	--	--	--
MAY													
11...	1029	3.8	--	--	--	8.4	8,610	27.5	22.5	--	--	--	--
JUN													
29...	1350	E3.5	668	7.4	113	8.0	7,200	38.0	29.0	540	109	66.0	9.32
AUG													
31...	1150	2.6	--	--	--	8.0	8,020	30.0	17.6	--	--	--	--
SEP													
14...	1110	3.1	670	6.2	82	8.0	8,090	18.5	21.0	510	102	61.5	9.61

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water, tit field, mg/L as CaCO3 (39086)	Bicarbonate, water, titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue, water, sum of constituents, fltrd, mg/L (70301)	Residue on evap. at 180degC, water, fltrd, mg/L (70300)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)
OCT												
25...	27	1,450	--	--	2,040	1.1	11.6	471	4,350	4,550	365	<30
28...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
07...	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
03...	--	--	--	--	--	--	--	--	--	--	--	--
09...	29	1,650	--	--	2,480	1.1	9.6	546	5,090	--	361	E29
APR												
14...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
11...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
29...	24	1,290	305	362	1,910	1.1	10.5	495	4,080	4,210	355	E47
AUG												
31...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
14...	28	1,430	--	--	2,180	1.2	11.6	506	4,480	4,600	347	E28

Remark codes used in this table:

< -- Less than.

E -- Estimated.

07227100 REVUELTO CREEK NEAR LOGAN, NM

LOCATION.--Lat 35°20'29", long 103°23'05", in SW ¼ NW ¼ sec.24, T.13 N., R.33 E., Quay County, Hydrologic Unit 11080008, on right bank 0.3 mi upstream from bridge on State Highway 469, 1.9 mi southeast of Logan, and at mile 2.3.

DRAINAGE AREA.--786 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1959 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,660 ft above NGVD of 1929, from topographic map. Prior to Jan. 16, 1981, at site 320 ft upstream at datum 0.56 ft higher.

REMARKS.--Water-discharge records poor. Low flows supplemented by surface- and ground-water return flow from irrigation in vicinity of Tucumcari.

EXTREMES OUTSIDE PERIOD OF RECORD (1941-47).--Maximum discharge determined, about 13,400 ft³/s, Sept. 18, 1946, gage height, 9.04 ft, at site 180 ft downstream at different datum, from unpublished records collected by Bureau of Reclamation. A peak of 26,100 ft³/s, date unknown, gage height, 12.9 ft, at former site and datum, was measured by slope-area method in May 1957.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	0.20	3.6	e0.23	7.5	e0.30	9.6	0.17	363	0.00	0.00	84
2	0.23	0.16	2.5	e0.30	2.6	e0.23	9.8	98	391	0.00	0.00	886
3	0.00	17	1.6	e0.74	0.73	e0.30	4.8	68	72	0.00	0.00	401
4	0.00	58	1.0	35	0.56	0.48	2.3	22	33	0.00	0.00	130
5	406	24	0.86	38	0.71	0.38	2.0	11	18	34	0.00	69
6	526	5.0	0.51	16	125	0.34	1.6	6.5	13	252	0.00	53
7	444	1.3	17	23	48	0.26	0.57	3.7	6.1	236	5.3	17
8	217	0.65	9.2	e7.4	19	0.23	0.33	1.9	3.8	e261	4.0	e12
9	56	11	2.4	e3.9	e22	0.20	0.14	1.1	1.8	e77	0.09	e8.2
10	e20	100	0.60	e1.8	e17	0.12	0.09	0.44	1.4	e22	0.06	e3.9
11	8.6	5.9	0.31	e1.5	e9.6	0.09	0.08	0.15	1.3	e0.24	0.02	e2.0
12	3.8	1.3	0.18	e1.4	e8.1	0.08	0.10	0.12	0.88	e0.25	230	e0.48
13	1.6	18	e0.15	e0.74	e5.5	0.11	0.10	0.18	2.6	e0.50	386	e2.4
14	0.90	82	e0.38	e0.38	e2.2	1.2	0.08	0.39	5.8	e44	76	e5.3
15	0.37	36	e2.6	e0.23	e0.97	3.8	0.39	0.80	1.4	e20	42	3.1
16	0.25	21	e1.2	e1.7	e0.74	44	14	0.24	0.45	e16	33	1.3
17	0.22	49	e1.0	e1.2	e0.74	108	28	0.12	0.23	e6.6	23	0.78
18	0.17	125	e0.93	e0.75	e1.5	67	14	0.07	0.26	e1.6	3.7	e2.7
19	0.16	22	e0.95	e0.37	e2.6	e57	2.0	0.13	0.15	e0.66	1.8	e13
20	0.15	13	e0.78	e0.34	e1.2	e52	0.46	0.12	0.09	e0.28	45	e25
21	0.15	9.8	e1.1	e0.30	e0.54	e27	0.24	0.05	0.07	e0.28	29	e22
22	0.13	6.8	e1.7	e0.53	e0.74	e13	0.19	0.03	0.04	e0.25	14	e14
23	0.14	296	e1.4	e0.41	e0.54	e6.8	0.15	0.10	0.02	e0.28	9.5	e13
24	0.13	84	e3.9	e0.19	e0.54	e2.2	1.3	0.06	0.03	e0.00	211	e11
25	0.17	40	e7.4	e0.58	e0.38	e8.7	11	0.16	0.51	e0.00	89	e10
26	0.18	21	e6.1	e0.65	e0.38	66	5.8	0.21	0.24	e0.00	70	e21
27	0.18	14	e1.5	e1.3	e0.30	72	1.3	1.8	0.54	e0.00	67	14
28	0.17	8.4	e1.7	13	e0.30	24	0.27	52	0.04	e0.00	1,450	8.4
29	0.13	5.2	e2.0	11	---	10	0.20	86	0.10	0.08	239	88
30	0.13	6.0	e1.5	35	---	7.9	0.10	59	0.00	0.00	97	54
31	0.14	---	e0.74	36	---	6.7	---	286	---	0.00	34	---
TOTAL	1,689.80	1,081.71	76.79	233.94	279.97	580.42	110.99	700.54	917.85	973.02	3,159.47	1,975.56
MEAN	54.5	36.1	2.48	7.55	10.0	18.7	3.70	22.6	30.6	31.4	102	65.9
MAX	526	296	17	38	125	108	28	286	391	261	1,450	886
MIN	0.00	0.16	0.15	0.19	0.30	0.08	0.08	0.03	0.00	0.00	0.00	0.48
AC-FT	3,350	2,150	152	464	555	1,150	220	1,390	1,820	1,930	6,270	3,920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

MEAN	38.4	10.3	9.19	5.38	6.95	9.48	27.8	44.4	75.8	110	118	66.5
MAX	320	41.2	129	27.9	42.5	79.3	346	203	492	1,203	575	515
(WY)	(1961)	(1999)	(1960)	(1990)	(1983)	(2001)	(1970)	(1991)	(1960)	(1960)	(1981)	(1969)
MIN	0.00	0.06	0.00	0.00	0.00	0.00	0.32	0.04	0.89	0.42	0.93	1.72
(WY)	(1965)	(1978)	(1976)	(1965)	(1965)	(1980)	(1981)	(2004)	(1990)	(1983)	(1978)	(1978)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1959 - 2005

ANNUAL TOTAL	14,322.57											
ANNUAL MEAN	39.1											
HIGHEST ANNUAL MEAN										43.3		
LOWEST ANNUAL MEAN										204		1960
HIGHEST DAILY MEAN	1,580									4.72		1964
LOWEST DAILY MEAN	0.00									13,800		Jul 9, 1960
ANNUAL SEVEN-DAY MINIMUM	0.00									0.00		Oct 20, 1959
MAXIMUM PEAK FLOW										0.00		Oct 20, 1959
MAXIMUM PEAK STAGE										7,600		Aug 28
INSTANTANEOUS LOW FLOW										8.51		Aug 28
ANNUAL RUNOFF (AC-FT)	28,410									b0.00		Oct 3
10 PERCENT EXCEEDS	110									31,390		Oct 20, 1959
50 PERCENT EXCEEDS	0.58									63		
90 PERCENT EXCEEDS	0.00									5.0		

a From slope-area measurement of peak flow.

b Many days.

e Estimated

07227100 REVUELTO CREEK NEAR LOGAN, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 25...	1130	E.15	666	8.6	102	8.5	6,120	16.5	16.0	350	76.7	37.4	5.76
29...	1055	.07	--	--	--	8.2	6,090	16.5	11.0	--	--	--	--
DEC 08...	1549	6.8	--	--	--	8.3	701	16.5	12.0	--	--	--	--
16...	1137	E1.8	680	11.1	105	8.1	2,210	8.5	7.5	--	--	--	--
JAN 27...	0913	1.8	--	--	--	8.3	3,380	3.5	5.5	--	--	--	--
MAR 03...	1543	.34	--	--	--	8.5	3,800	16.5	17.5	--	--	--	--
09...	0845	.30	672	10.0	93	8.3	4,920	8.0	6.0	260	52.7	31.9	3.89
APR 14...	0940	E.23	670	9.0	102	8.3	6,440	14.5	14.0	360	70.1	45.0	5.91
MAY 10...	1523	.03	--	--	--	8.5	5,910	34.5	29.5	--	--	--	--
27...	1320	.23	670	7.1	105	8.3	7,380	27.5	27.5	610	106	84.3	11.3
AUG 31...	0930	36	--	--	--	8.8	531	28.0	19.7	--	--	--	--
SEP 14...	0830	3.9	670	8.4	97	8.5	1,330	14.0	16.0	170	43.0	15.3	4.78

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)
OCT 25...	27	1,160	1,660	.9	10.1	222	3,360	3,480	593	<18
29...	--	--	--	--	--	--	--	--	--	--
DEC 08...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
JAN 27...	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--
09...	24	883	1,260	.9	8.8	261	2,710	--	469	<18
APR 14...	31	1,340	1,700	.9	9.1	264	3,640	3,520	715	<30
MAY 10...	--	--	--	--	--	--	--	--	--	--
27...	24	1,380	2,000	1.0	11.2	293	4,100	4,140	1,190	<30
AUG 31...	--	--	--	--	--	--	--	--	--	--
SEP 14...	7	195	162	.5	11.8	192	757	789	268	E4

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RIO GRANDE BASIN
08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", long 105°45'25", (revised) referenced to North American Datum of 1983, in NE ¼ NW ¼ sec.27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

DRAINAGE AREA.--7,700 mi of which 2,940 mi probably is noncontributing, in closed basin in northern part of San Luis Valley, CO. Total area is approximate.

PERIOD OF RECORD.--July 1899 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "at Cenicero" 1899-1901, and as "near Cenicero" 1902-4. Statistical summary computed for 1931 to current year.

REVISED RECORDS.--WSP 210: Drainage area. WSP 1312: 1919 (monthly discharge and runoff). WDR CO-78-1: 1976.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,427.63 ft above NGVD of 1929. Prior to Nov. 8, 1910, nonrecording gages at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage of June 18, 1903, is greatest since at least 1828.

DISCHARGE, CUBIC FEET PER SECOND.
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	85	e240	e300	e330	350	410	733	2,580	1,470	263	39
2	17	90	e220	e300	e310	352	389	678	2,450	1,350	257	35
3	17	149	e240	e315	e300	349	367	682	2,290	1,220	234	31
4	17	306	e250	e320	e290	350	400	733	2,210	1,180	210	29
5	19	335	e240	e300	e300	342	456	771	2,180	1,150	202	26
6	25	355	e250	e300	e320	338	409	779	2,150	1,110	192	25
7	23	361	e280	e285	e330	348	368	846	1,820	1,060	189	26
8	23	353	e300	e285	e330	344	444	946	1,780	970	188	29
9	27	354	e310	e295	e320	344	638	983	1,870	907	175	30
10	52	359	e310	e310	e300	350	688	985	2,000	860	145	28
11	101	382	e310	e325	e340	359	684	1,090	2,060	813	126	29
12	89	457	e320	e275	e340	391	538	1,220	2,020	722	119	28
13	84	460	e330	e230	e370	429	526	1,290	1,840	664	118	27
14	89	456	e320	e280	e380	481	594	1,180	1,640	620	186	32
15	90	452	e320	e295	394	535	765	1,180	1,540	504	233	28
16	111	439	e310	e285	428	508	1,010	1,330	1,520	464	212	28
17	123	435	e310	e285	439	493	1,130	1,530	1,680	483	186	24
18	129	424	e290	e285	421	473	1,290	1,780	1,810	443	137	22
19	125	420	e290	e300	417	447	1,370	2,050	1,900	413	121	21
20	120	416	e280	e300	420	438	1,570	2,210	1,930	399	104	20
21	103	413	e300	e300	403	426	1,530	2,310	1,940	380	87	23
22	94	401	e290	e300	393	417	1,450	2,450	2,050	334	72	27
23	72	414	e270	e305	404	408	1,280	2,660	2,080	301	64	29
24	53	411	e250	e315	399	397	1,260	3,090	2,120	312	55	26
25	57	383	e220	e320	393	411	1,520	3,590	2,190	365	51	27
26	57	366	e220	e330	383	406	1,500	3,950	2,200	417	46	23
27	52	356	e220	e340	364	402	1,150	3,940	2,170	428	41	24
28	58	434	e240	e335	353	394	1,020	3,670	2,100	411	42	25
29	52	e250	e280	e350	---	381	875	3,460	2,010	395	45	27
30	63	e200	e280	e345	---	396	798	3,240	1,690	354	42	33
31	78	---	e290	e340	---	420	---	2,950	---	302	39	---
Total	2,038	10,716	8,580	9,450	10,171	12,479	26,429	58,306	59,820	20,801	4,181	821
Mean	65.7	357	277	305	363	403	881	1,881	1,994	671	135	27.4
Max	129	460	330	350	439	535	1,570	3,950	2,580	1,470	263	39
Min	17	85	220	230	290	338	367	678	1,520	301	39	20
Ac-ft	4,040	21,260	17,020	18,740	20,170	24,750	52,420	115,600	118,700	41,260	8,290	1,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	180	307	281	263	313	416	508	1,088	1,201	427	165	130
Max	1,401	1,199	763	521	595	884	2,326	4,958	4,470	2,754	1,281	938
(WY)	(1942)	(1942)	(1942)	(1986)	(1986)	(1987)	(1985)	(1987)	(1941)	(1995)	(1999)	(1999)
Min	12.9	59.6	61.7	75.7	102	66.0	32.3	31.2	19.8	1.28	3.21	1.91
(WY)	(1957)	(1955)	(1964)	(1957)	(1957)	(1957)	(1935)	(2002)	(1977)	(1951)	(1956)	(1956)

SUMMARY STATISTICS

	Calendar Year 2004	Water Year 2005	Water Years 1931 - 2005
Annual total	109,024.3	223,792	
Annual mean	298	613	^a 440
Highest annual mean			1,264 ^b 1987
Lowest annual mean			70.9 ^c 1964
Highest daily mean	1,380 Mar 28	3,950 May 26	^b 9,110 Jun 22, 1949
Lowest daily mean	7.9 Sep 4	17 Oct 2	^c 0.00 Jul 16, 1950
Annual seven-day minimum	12 Aug 29	19 Oct 1	0.00 Jul 16, 1950
Maximum peak flow		4,090 May 26	^d 11,600 May 8, 1952
Maximum peak stage		5.23 May 26	^f 8.76 May 8, 1952
Annual runoff (ac-ft)	216,200	443,900	318,600
10 percent exceeds	646	1,810	952
50 percent exceeds	222	350	240
90 percent exceeds	18	33	37

^a Average discharge for 31 years (water years 1900-30), 846 ft/s; 612,900 acre-ft/yr includes period of extensive development for irrigation.

^b Maximum daily discharge for period of record, 13,100 ft/s, Jun 8, 1905.

^c No flow at times in 1950-51, 1956.

^d Maximum discharge for period of record, 13,200 ft/s, Jun 8, 1905, gage height, 9.1 ft, from rating curve extended above 8,000 ft/s.

^f Maximum gage height for period of record, 10.0 ft, Jun 18, 1903.

^e Estimated

08252500 COSTILLA CREEK ABOVE COSTILLA DAM, NM

LOCATION.--Lat 36°53'54", long 105°15'16", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 1,900 ft upstream from normal high-water line of Costilla Reservoir, 2.1 mi northeast of Costilla Dam, 16 mi southeast of Costilla, and at mile 36.9.

DRAINAGE AREA.--25.1 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records). Monthly discharge only for some periods, published in WSP 1312 and 1732. Prior to October 1951, published as "above reservoir, near Costilla."

REVISED RECORDS.--WSP 878: 1937. WSP 1923: 1937-50, drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Sept. 17, 1965. Elevation of gage is 9,454 ft above NGVD of 1929, from topographic map. See WSP 1923 for history of changes prior to Sept. 17, 1965.

REMARKS.--Records fair except for those estimated, which are poor. Natural flow may be augmented by transbasin diversions or irrigation returns from about 1,300 acres irrigated from Casias Creek (station 08253000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,870 ft³/s, July 22, 1954, gage height, about 4.8 ft, from floodmarks, site and datum then in use, on basis of slope-area measurement of peak flow; minimum not determined. The flood in 1954 destroyed the gaging station and is highest since about 1909, from information by local range rider. A portion of this flow may have originated in Casias Creek Basin (see REMARKS).

EXTREMES FOR CURRENT YEAR.--Maximum discharge during periods of seasonal operation, 101 ft³/s, May 22, gage height, 3.31 ft; minimum daily discharge, 2.6 ft³/s, Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	---	---	---	---	---	---	20	43	10	3.3	3.5
2	2.9	---	---	---	---	---	---	19	40	9.4	3.5	3.8
3	2.6	---	---	---	---	---	---	18	38	8.7	3.4	3.7
4	2.6	---	---	---	---	---	---	23	34	8.3	3.6	3.7
5	3.8	---	---	---	---	---	---	23	31	8.6	4.3	3.6
6	e3.5	---	---	---	---	---	---	27	28	8.3	6.6	3.8
7	---	---	---	---	---	---	---	30	27	7.3	4.7	4.3
8	---	---	---	---	---	---	---	32	25	7.0	3.8	6.2
9	---	---	---	---	---	---	---	38	24	6.7	3.5	5.6
10	---	---	---	---	---	---	---	44	24	6.3	3.8	4.2
11	---	---	---	---	---	---	---	48	22	6.1	5.4	3.5
12	---	---	---	---	---	---	---	45	24	6.0	16	3.3
13	---	---	---	---	---	---	---	43	20	6.1	9.1	3.1
14	---	---	---	---	---	---	---	43	18	5.5	15	3.2
15	---	---	---	---	---	---	---	44	19	6.7	8.2	3.2
16	---	---	---	---	---	---	---	51	20	6.5	10	3.1
17	---	---	---	---	---	---	---	58	19	5.7	6.7	2.9
18	---	---	---	---	---	---	---	57	18	6.0	5.7	2.8
19	---	---	---	---	---	---	---	62	17	5.1	5.2	2.8
20	---	---	---	---	---	---	---	75	17	5.0	5.1	2.8
21	---	---	---	---	---	---	e32.0	86	18	4.9	4.9	2.9
22	---	---	---	---	---	---	38	87	19	4.6	4.5	3.1
23	---	---	---	---	---	---	40	88	17	5.2	4.4	4.1
24	---	---	---	---	---	---	35	85	16	5.0	4.2	3.2
25	---	---	---	---	---	---	25	83	16	4.7	4.0	2.8
26	---	---	---	---	---	---	26	80	15	4.6	4.0	2.7
27	---	---	---	---	---	---	24	73	13	4.4	3.9	2.8
28	---	---	---	---	---	---	21	64	12	4.0	3.8	4.2
29	---	---	---	---	---	---	20	58	11	3.8	3.7	3.9
30	---	---	---	---	---	---	20	60	10	3.6	3.4	3.5
31	---	---	---	---	---	---	---	50	---	3.4	3.3	---
TOTAL	---	---	---	---	---	---	---	1,614	655	187.5	171.0	106.3
MEAN	---	---	---	---	---	---	---	52.1	21.8	6.05	5.52	3.54
MAX	---	---	---	---	---	---	---	88	43	10	16	6.2
MIN	---	---	---	---	---	---	---	18	10	3.4	3.3	2.7
AC-FT	---	---	---	---	---	---	---	3,200	1,300	372	339	211

e Estimated

08253000 CASIAS CREEK NEAR COSTILLA, NM

LOCATION.--Lat 36°53'49", long 105°15'37", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 200 ft downstream from road crossing, 900 ft upstream from normal high-water line of Costilla Reservoir, 1.8 mi northeast of Costilla Dam, and 16 mi southeast of Costilla.

DRAINAGE AREA.--16.6 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records). Monthly discharge only for some periods, published in WSP 1312 and 1732. Records for November 1-7, 1947, and November 1-16, 1948, published in WSP 1118 and 1148, are unreliable and should not be used.

REVISED RECORDS.--WSP 1282: 1948-51. WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 9,437 ft above NGVD of 1929, from topographic map. Prior to July 18, 1940, water-stage recorder and wooden control 100 ft downstream at datum 1.56 ft lower. Prior to March 25, 1999, water-stage recorder and concrete control 140 ft downstream at same gage datum.

REMARKS.--Records good except for those estimated, which are fair. Diversion 3.5 mi upstream for irrigation of about 1,300 acres, part of which is in Costilla Creek Basin. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft³/s, July 20, 1971, gage height, 2.07 ft, from rating curve extended above 85 ft³/s; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during periods of seasonal operation, 93 ft³/s, May 26, gage height, 4.10 ft; minimum daily discharge, 3.7 ft³/s, Oct. 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	---	---	---	---	---	---	16	67	38	13	9.1
2	4.1	---	---	---	---	---	---	16	66	37	13	9.3
3	3.8	---	---	---	---	---	---	16	66	35	12	8.9
4	3.7	---	---	---	---	---	---	20	64	34	12	8.7
5	5.3	---	---	---	---	---	---	19	62	33	13	8.2
6	e5.0	---	---	---	---	---	---	17	61	32	15	8.1
7	---	---	---	---	---	---	---	17	60	30	13	9.2
8	---	---	---	---	---	---	---	17	59	29	12	11
9	---	---	---	---	---	---	---	19	58	28	11	9.7
10	---	---	---	---	---	---	---	23	56	27	12	8.9
11	---	---	---	---	---	---	---	27	53	26	16	7.8
12	---	---	---	---	---	---	---	29	53	26	24	7.6
13	---	---	---	---	---	---	---	31	51	25	16	7.4
14	---	---	---	---	---	---	---	33	50	24	25	7.5
15	---	---	---	---	---	---	---	36	51	24	17	7.4
16	---	---	---	---	---	---	---	40	50	23	16	7.1
17	---	---	---	---	---	---	---	44	51	23	14	6.7
18	---	---	---	---	---	---	---	46	50	23	14	6.5
19	---	---	---	---	---	---	---	53	50	22	13	6.4
20	---	---	---	---	---	---	---	60	50	22	13	6.3
21	---	---	---	---	---	---	e18	67	50	21	13	6.2
22	---	---	---	---	---	---	17	72	50	19	12	6.6
23	---	---	---	---	---	---	19	74	50	18	11	7.2
24	---	---	---	---	---	---	21	76	50	18	11	6.2
25	---	---	---	---	---	---	20	78	50	18	10	5.8
26	---	---	---	---	---	---	18	84	49	17	10	5.6
27	---	---	---	---	---	---	17	78	48	17	10	5.9
28	---	---	---	---	---	---	16	76	46	16	10	7.4
29	---	---	---	---	---	---	15	75	43	15	9.8	7.1
30	---	---	---	---	---	---	16	75	41	14	9.3	6.6
31	---	---	---	---	---	---	---	70	---	14	9.0	---
TOTAL	---	---	---	---	---	---	---	1,404	1,605	748	409.1	226.4
MEAN	---	---	---	---	---	---	---	45.3	53.5	24.1	13.2	7.55
MAX	---	---	---	---	---	---	---	84	67	38	25	11
MIN	---	---	---	---	---	---	---	16	41	14	9.0	5.6
AC-FT	---	---	---	---	---	---	---	2,780	3,180	1,480	811	449

e Estimated

08253500 SANTISTEVAN CREEK NEAR COSTILLA, NM

LOCATION.--Lat 36°53'03", long 105°16'52", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 200 ft upstream from road crossing, 1,300 ft upstream from normal high-water line of Costilla Reservoir, 0.6 mi north of Costilla Dam, and 16 mi southeast of Costilla.

DRAINAGE AREA.--2.15 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records). Monthly discharge only for some periods, published in WSP 1312 and 1732.

REVISED RECORDS.--WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry and Parshall flume. Elevation of gage is 9,520 ft above NGVD of 1929, from topographic map. Prior to June 27, 1940, water-stage recorder and wooden control at datum 0.99 ft lower.

REMARKS.--Records fair except for those estimated, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge during periods of seasonal operation, 20 ft³/s, June 29, 1995; maximum gage height, 1.73 ft, Aug. 11, 1941; minimum, 0.20 ft³/s, Apr. 19, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during periods of seasonal operation, 20 ft³/s, May 26, gage height, 1.60 ft; minimum daily, 0.95 ft³/s, Oct. 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	---	---	---	---	---	---	1.9	14	5.9	2.3	1.5
2	1.0	---	---	---	---	---	---	e1.8	13	5.8	2.3	1.6
3	0.97	---	---	---	---	---	---	1.8	13	5.7	2.2	1.6
4	0.95	---	---	---	---	---	---	1.9	12	5.5	2.4	1.5
5	1.1	---	---	---	---	---	---	2.0	12	5.3	2.4	1.5
6	e1.1	---	---	---	---	---	---	2.2	11	5.1	2.4	1.5
7	---	---	---	---	---	---	---	2.2	10	4.9	2.2	1.9
8	---	---	---	---	---	---	---	2.3	10	4.7	2.1	1.8
9	---	---	---	---	---	---	---	2.8	9.7	4.5	2.0	1.5
10	---	---	---	---	---	---	---	3.4	9.4	4.3	2.1	1.4
11	---	---	---	---	---	---	---	3.9	8.9	4.1	2.9	1.3
12	---	---	---	---	---	---	---	4.1	8.9	4.0	3.2	1.3
13	---	---	---	---	---	---	---	4.2	7.9	3.9	2.5	1.3
14	---	---	---	---	---	---	---	4.2	7.5	3.7	3.0	1.3
15	---	---	---	---	---	---	---	4.4	8.2	3.6	2.5	1.3
16	---	---	---	---	---	---	---	4.9	8.7	3.4	2.4	1.2
17	---	---	---	---	---	---	---	5.4	8.7	3.4	2.3	1.2
18	---	---	---	---	---	---	---	5.7	8.7	3.4	2.3	1.2
19	---	---	---	---	---	---	---	6.4	8.7	3.2	2.2	1.2
20	---	---	---	---	---	---	---	7.6	8.6	3.1	2.3	1.2
21	---	---	---	---	---	---	e2.7	9.5	8.8	3.0	2.2	1.2
22	---	---	---	---	---	---	2.4	12	8.5	3.0	2.1	1.2
23	---	---	---	---	---	---	2.6	14	8.0	3.0	2.0	1.2
24	---	---	---	---	---	---	2.7	16	7.7	2.9	2.0	1.1
25	---	---	---	---	---	---	2.5	16	7.6	2.9	1.9	1.1
26	---	---	---	---	---	---	2.3	17	7.5	2.8	1.8	1.1
27	---	---	---	---	---	---	2.1	17	7.1	2.8	1.7	1.1
28	---	---	---	---	---	---	2.0	16	6.8	2.6	1.7	1.2
29	---	---	---	---	---	---	2.0	16	6.4	2.5	1.6	1.3
30	---	---	---	---	---	---	2.0	15	6.1	2.4	1.6	1.2
31	---	---	---	---	---	---	---	14	---	2.4	1.5	---
TOTAL	---	---	---	---	---	---	---	235.6	273.4	117.8	68.1	40.0
MEAN	---	---	---	---	---	---	---	7.60	9.11	3.80	2.20	1.33
MAX	---	---	---	---	---	---	---	17	14	5.9	3.2	1.9
MIN	---	---	---	---	---	---	---	1.8	6.1	2.4	1.5	1.1
AC-FT	---	---	---	---	---	---	---	467	542	234	135	79

e Estimated

08253900 COSTILLA RESERVOIR NEAR COSTILLA, NM

LOCATION.--Lat 36°52'31", long 105°16'47", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on face of Costilla Dam on Costilla Creek, 16 mi southeast of Costilla, and at mile 34.8.

DRAINAGE AREA.--54.6 mi².

PERIOD OF RECORD.--May 1922 to September 1965 (month end contents only), October 1965 to September 1983, April 1990 to current year. Records prior to October 1960 published in WSP 1732. Prior to October 1966, published as "Costilla Lake near Costilla."

REVISED RECORDS.--WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,473 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Reservoir is formed by earthfill dam faced with rock. Storage began in 1920. Diversions for irrigation of about 1,300 acres above reservoir. Reservoir is used for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 16,500 acre-ft June 1-4, 1994, and June 19-22, 1995, gage height, 107.61 ft; no storage Oct. 1925 to Feb. 1926, Sept. 1956, Aug. 22 to Sept. 24, 1972, July 29 to Sept. 7, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 16,200 acre-ft, Jun. 16-28, gage height, 106.97 ft; minimum, 2,270 acre-ft, Oct. 1, gage height, 56.85 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,270	2,830	3,310	3,770	4,220	4,600	4,980	6,370	13,900	16,100	12,800	9,830
2	2,280	2,850	3,320	3,780	4,240	4,610	5,000	6,440	14,100	16,100	12,700	9,760
3	2,300	2,860	3,340	3,790	4,250	4,630	5,030	6,520	14,400	16,100	12,600	9,690
4	2,320	2,870	3,350	3,810	4,260	4,640	5,050	6,630	14,500	16,000	12,500	9,600
5	2,360	2,890	3,370	3,830	4,270	4,650	5,070	6,720	14,600	15,900	12,400	9,500
6	2,380	2,900	3,390	3,840	4,290	4,660	5,090	6,820	14,700	15,900	12,300	9,400
7	2,410	2,920	3,400	3,860	4,300	4,670	5,130	6,920	14,900	15,800	12,200	9,300
8	2,430	2,940	3,420	3,870	4,320	4,690	5,170	7,020	15,100	15,700	12,100	9,240
9	2,440	2,950	3,430	3,890	4,330	4,690	5,240	7,150	15,300	15,600	12,000	9,170
10	2,460	2,970	3,450	3,900	4,340	4,710	5,290	7,300	15,500	15,500	11,800	9,100
11	2,480	2,990	3,460	3,920	4,360	4,720	5,320	7,460	15,600	15,400	11,800	9,030
12	2,500	3,000	3,480	3,940	4,370	4,730	5,360	7,610	15,900	15,200	11,700	8,960
13	2,520	3,020	3,490	3,950	4,390	4,740	5,410	7,770	16,000	15,100	11,600	8,890
14	2,540	3,030	3,510	3,960	4,400	4,770	5,480	7,940	16,100	15,000	11,600	8,830
15	2,560	3,050	3,520	3,980	4,410	4,790	5,530	8,100	16,100	14,800	11,500	8,770
16	2,580	3,070	3,540	3,990	4,430	4,790	5,540	8,290	16,200	14,700	11,400	8,700
17	2,600	3,080	3,550	4,000	4,440	4,800	e5,590	8,520	16,200	14,500	11,300	8,640
18	2,620	3,100	3,560	4,020	4,450	4,810	e5,680	8,740	16,200	14,400	11,200	8,560
19	2,630	3,110	3,580	4,030	4,460	4,820	e5,750	8,980	16,200	14,200	11,100	8,490
20	2,650	3,130	3,590	4,040	4,480	4,830	5,820	9,290	16,200	14,100	11,000	8,430
21	2,670	3,150	3,610	4,060	4,490	4,850	5,840	9,650	16,200	13,900	10,900	8,360
22	2,680	3,170	3,620	4,070	4,500	4,860	5,850	10,000	16,200	13,700	10,700	8,310
23	2,700	3,190	3,640	4,080	4,520	4,870	5,870	10,400	16,200	13,600	10,600	8,260
24	2,710	3,200	3,650	4,100	4,540	4,880	5,900	10,900	16,200	13,400	10,500	8,200
25	2,720	3,210	3,670	4,110	4,550	4,890	5,880	11,300	16,200	13,300	10,400	8,130
26	2,740	3,230	3,680	4,120	4,570	4,900	5,930	11,700	16,200	13,200	10,300	8,080
27	2,760	3,240	3,690	4,140	4,580	4,910	6,030	12,100	16,200	13,200	10,200	8,020
28	2,780	3,250	3,700	4,150	4,590	4,930	6,110	12,500	16,200	13,100	10,100	7,970
29	2,790	3,270	3,730	4,170	---	4,950	6,190	12,900	16,100	13,000	10,100	7,920
30	2,800	3,290	3,740	4,200	---	4,960	6,270	13,200	16,100	12,900	9,990	7,920
31	2,820	---	3,760	4,210	---	4,970	---	13,600	---	12,800	9,910	---
MAX	2,820	3,290	3,760	4,210	4,590	4,970	6,270	13,600	16,200	16,100	12,800	9,830
MIN	2,270	2,830	3,310	3,770	4,220	4,600	4,980	6,370	13,900	12,800	9,910	7,920
(+)	60.40	63.15	65.70	68.00	69.83	71.63	77.21	100.49	106.82	98.51	90.02	83.46
(++)	+570	+470	+470	+450	+380	+380	+1,300	+7,330	+2,500	-3,300	-2,890	-1,990
CAL YR	2004	MAX 10,500	MIN 2,250	(++) -460								
WTR YR	2005	MAX 16,200	MIN 2,270	(++) +5,670								

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

e Estimated

08254000 COSTILLA CREEK BELOW COSTILLA DAM, NM

LOCATION.--Lat 36°52'23", long 105°17'02", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on right bank approximately 1,000 ft downstream from Costilla Dam, 16 mi southeast of Costilla, and at mile 34.5.

DRAINAGE AREA.--54.6 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records 1937-44, 1947-49, 1988-02). Monthly discharge only for some periods, published in WSP 1312. Prior to October 1951, published as "below reservoir near Costilla."

REVISED RECORDS.--WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Nov. 7, 1989, at site 500 ft upstream at different datum.

REMARKS.--Records fair. Flow regulated by Costilla Reservoir (station 08253900). Diversions for irrigation of about 1,300 acres upstream from reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 366 ft³/s, July 29, 1994, gage height, 3.57 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during periods of seasonal operation, 114 ft³/s, July 21; minimum daily, 0.23 ft³/s, Oct. 2-3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	---	---	---	---	---	---	1.3	1.0	48	52	49
2	0.23	---	---	---	---	---	---	1.3	1.1	53	59	49
3	0.23	---	---	---	---	---	---	1.3	25	57	64	47
4	0.29	---	---	---	---	---	---	1.4	49	58	62	54
5	0.37	---	---	---	---	---	---	1.3	49	63	61	64
6	e0.34	---	---	---	---	---	---	1.3	49	68	62	64
7	---	---	---	---	---	---	---	1.3	21	70	65	62
8	---	---	---	---	---	---	---	1.3	1.2	73	79	56
9	---	---	---	---	---	---	---	1.3	1.2	73	79	49
10	---	---	---	---	---	---	---	1.2	1.1	78	79	44
11	---	---	---	---	---	---	---	1.2	1.1	88	79	42
12	---	---	---	---	---	---	---	1.1	1.2	95	77	43
13	---	---	---	---	---	---	---	1.1	9.7	95	75	43
14	---	---	---	---	---	---	---	1.1	28	95	71	42
15	---	---	---	---	---	---	---	1.2	44	95	65	41
16	---	---	---	---	---	---	---	1.2	57	95	68	41
17	---	---	---	---	---	---	---	1.2	62	100	73	42
18	---	---	---	---	---	---	---	1.2	64	110	74	43
19	---	---	---	---	---	---	---	1.2	66	110	74	44
20	---	---	---	---	---	---	---	1.1	66	110	74	43
21	---	---	---	---	---	---	e48	1.1	67	110	72	41
22	---	---	---	---	---	---	49	1.1	71	109	69	40
23	---	---	---	---	---	---	52	1.1	70	109	67	40
24	---	---	---	---	---	---	54	1.1	70	96	66	41
25	---	---	---	---	---	---	54	1.1	70	64	66	41
26	---	---	---	---	---	---	27	1.1	68	63	61	40
27	---	---	---	---	---	---	1.3	1.1	64	59	58	40
28	---	---	---	---	---	---	1.3	1.1	58	57	53	39
29	---	---	---	---	---	---	1.3	1.1	55	57	49	39
30	---	---	---	---	---	---	1.3	1.1	51	58	49	17
31	---	---	---	---	---	---	---	1.0	---	55	49	---
TOTAL	---	---	---	---	---	---	---	36.6	1,241.6	2,471	2,051	1,340
MEAN	---	---	---	---	---	---	---	1.18	41.4	79.7	66.2	44.7
MAX	---	---	---	---	---	---	---	1.4	71	110	79	64
MIN	---	---	---	---	---	---	---	1.0	1.0	48	49	17
AC-FT	---	---	---	---	---	---	---	73	2,460	4,900	4,070	2,660

e Estimated

08255500 COSTILLA CREEK NEAR COSTILLA, NM

LOCATION.--Lat 36°58'01", long 105°30'26", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on right bank 70 ft downstream from bridge on State Highway 196, 0.5 mi upstream from diversion dam, 1.6 mi southeast of Costilla, and at mile 15.9.

DRAINAGE AREA.--195 mi².

PERIOD OF RECORD.--March 1936 to current year (no winter records 1936-41 and 1943). Monthly discharge only for March 1943 and water-year estimate for 1943, published in WSP 1312.

REVISED RECORDS.--WSP 1312: 1937-39(M).

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Oct. 13, 1952. Elevation of gage is 7,936 ft above NGVD of 1929, from topographic map. Prior to June 18, 1944, at site 200 ft downstream at different datum. June 18, 1944, to Sept. 30, 1964, at site 0.4 mi upstream at different datum.

REMARKS.--Records good except for those estimated, which are poor. Flow regulated by Costilla Reservoir (station 08253900) 19 mi upstream. Diversions for irrigation of about 2,000 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in 1886, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.3	e3.8	e9.2	e8.6	10	15	91	193	80	66	64
2	12	6.2	e4.1	e9.5	e8.2	12	20	105	180	81	67	64
3	11	6.5	e3.9	e9.2	e7.6	10	24	122	174	83	76	63
4	10	8.2	e4.1	e10	e8.0	12	28	106	199	85	76	65
5	13	8.6	e4.8	e9.8	e10	11	28	137	192	87	79	74
6	17	7.5	e5.8	e8.8	e12	12	30	126	177	92	87	76
7	14	7.7	e6.1	e8.0	e10	11	44	138	150	92	81	78
8	12	10	e5.6	e10	e9.8	11	62	140	95	95	88	72
9	12	10	e5.8	e10	e6.8	12	63	148	86	94	87	68
10	11	10	e6.1	e9.2	e7.5	12	68	174	83	94	86	62
11	10	11	e7.6	e9.6	e10	13	54	204	79	96	90	58
12	9.8	9.7	e7.7	e8.4	e14.0	17	47	207	82	103	108	56
13	11	11	e7.5	e6.0	e12.0	19	52	201	76	107	104	55
14	10	9.0	e7.1	e5.6	18	13	82	197	85	105	116	55
15	11	11	e7.5	e6.0	15	13	130	199	104	103	90	53
16	10	11	e6.8	e6.8	15	18	174	206	119	104	91	52
17	10	11	e6.6	e8.5	14	24	204	232	121	105	91	51
18	11	9.7	e6.4	e8.8	13	19	205	242	119	118	91	51
19	10	11	e6.4	e9.5	14	17	297	259	118	116	90	52
20	9.9	9.4	e7.0	e9.4	13	16	252	312	118	114	89	52
21	9.8	9.0	e7.9	e10	13	15	231	377	117	116	88	50
22	10	12	e7.5	e9.7	13	16	230	467	127	118	83	49
23	9.3	11	e5.0	e8.8	13	16	237	506	122	116	81	51
24	9.1	11	e4.2	e9.2	11	15	258	494	116	116	80	49
25	9.1	e8.7	e5.0	e10	11	16	238	443	120	84	78	48
26	10	e10.5	e6.1	e10	13	15	194	395	121	82	76	48
27	10	e8.6	e7.2	e12	10	14	121	349	110	77	71	48
28	10	e12.3	e7.5	e12	9.4	17	103	304	99	74	70	52
29	10	e4.7	e9.1	e9.9	---	17	96	268	91	72	65	54
30	8.6	e4.1	e11.5	e11	---	18	96	257	85	71	63	52
31	9.1	---	e9.6	e10	---	14	---	216	---	70	62	---
TOTAL	334.7	279.7	201.3	284.9	319.9	455	3,683	7,622	3,658	2,950	2,570	1,722
MEAN	10.8	9.32	6.49	9.19	11.4	14.7	123	246	122	95.2	82.9	57.4
MAX	17	12	12	12	18	24	297	506	199	118	116	78
MIN	8.6	4.1	3.8	5.6	6.8	10	15	91	76	70	62	48
AC-FT	664	555	399	565	635	902	7,310	15,120	7,260	5,850	5,100	3,420

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

MEAN	15.2	11.6	8.61	7.85	9.31	18.1	50.5	119	114	83.8	68.3	36.7
MAX	44.9	30.1	19.6	15.0	16.9	70.9	223	594	342	160	137	109
(WY)	(1962)	(1942)	(1942)	(1950)	(1942)	(1989)	(1942)	(1942)	(1983)	(1944)	(1973)	(1957)
MIN	4.85	4.11	3.71	3.44	3.38	6.92	13.1	30.8	27.3	23.8	15.5	7.93
(WY)	(1964)	(1965)	(1964)	(1964)	(1964)	(1964)	(1956)	(1967)	(2002)	(1946)	(2002)	(1974)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1942 - 2005

ANNUAL TOTAL	13,656.8	24,080.5	
ANNUAL MEAN	37.3	66.0	45.7
HIGHEST ANNUAL MEAN			134
LOWEST ANNUAL MEAN			15.5
HIGHEST DAILY MEAN	113	Jun 8	506
LOWEST DAILY MEAN	3.8	Dec 1	3.8
ANNUAL SEVEN-DAY MINIMUM	4.2	Nov 29	4.2
MAXIMUM PEAK FLOW			578
MAXIMUM PEAK STAGE			4.30
INSTANTANEOUS LOW FLOW			1.8
ANNUAL RUNOFF (AC-FT)	27,090	47,760	33,080
10 PERCENT EXCEEDS	87	175	116
50 PERCENT EXCEEDS	30	20	19
90 PERCENT EXCEEDS	6.1	7.6	6.4

a Site and datum then in use.

e Estimated

08261000 COSTILLA CREEK NEAR GARCIA, CO

LOCATION.--Lat 36°59'21", long 105°31'54", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 0.4 mi downstream from old State Highway 3, 0.5 mi upstream from New Mexico-Colorado State line, 0.9 mi south of Garcia, CO, and at mile 13.3.

DRAINAGE AREA.--200 mi², approximately.

PERIOD OF RECORD.--June 1944 to current year (seasonal records).

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Oct. 9, 1956. Elevation of gage is 7,821 ft above NGVD of 1929, from topographic map. Prior to Apr. 20, 1950, at site 0.4 mi downstream at different datum.

REMARKS.--Records poor. Flow partly regulated by Costilla Reservoir (station 08253900) 22 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge during periods of seasonal operation, 444 ft³/s, June 1, 1983, gage height, 4.91 ft; no flow for many days most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in 1886, from information by local residents. Flood of May 11, 1942, probably reached a discharge of 1,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 282 ft³/s, May 24, gage height, 4.88 ft; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	---	13	61	6.5	3.1	0.00
2	0.00	---	---	---	---	---	---	22	49	5.8	3.2	0.00
3	0.00	---	---	---	---	---	---	37	46	6.6	4.5	0.00
4	0.00	---	---	---	---	---	---	25	67	6.5	5.0	0.00
5	0.00	---	---	---	---	---	---	47	66	7.3	6.6	0.27
6	---	---	---	---	---	---	---	39	55	11	13	0.00
7	---	---	---	---	---	---	---	47	35	9.2	8.4	0.00
8	---	---	---	---	---	---	---	49	4.4	10	5.9	0.00
9	---	---	---	---	---	---	---	50	5.1	9.8	e2.0	0.00
10	---	---	---	---	---	---	---	67	6.2	9.9	e2.0	0.00
11	---	---	---	---	---	---	---	100	10	9.1	e12	0.00
12	---	---	---	---	---	---	---	97	11	11	e35	0.00
13	---	---	---	---	---	---	---	94	7.5	12	e20	0.00
14	---	---	---	---	---	---	---	85	6.7	10	e42	0.00
15	---	---	---	---	---	---	---	85	10	7.9	e10	0.00
16	---	---	---	---	---	---	---	95	14	7.2	e3.5	0.00
17	---	---	---	---	---	---	---	124	43	7.7	2.5	0.00
18	---	---	---	---	---	---	---	118	130	11	3.6	0.00
19	---	---	---	---	---	---	---	136	78	8.2	e1.0	e0.00
20	---	---	---	---	---	---	---	188	11	5.9	e0.75	e0.00
21	---	---	---	---	---	---	---	212	9.6	6.6	e0.00	e0.00
22	---	---	---	---	---	---	e108	240	13	42	e0.00	e0.00
23	---	---	---	---	---	---	118	258	12	71	e0.00	e0.00
24	---	---	---	---	---	---	140	254	9.5	11	e0.00	e0.00
25	---	---	---	---	---	---	132	241	10	7.4	e0.00	e0.00
26	---	---	---	---	---	---	100	225	11	8.0	e0.00	e0.00
27	---	---	---	---	---	---	39	230	7.3	7.2	e0.00	e0.00
28	---	---	---	---	---	---	26	205	5.3	6.5	e0.00	e0.00
29	---	---	---	---	---	---	19	132	4.8	6.4	e0.00	e0.00
30	---	---	---	---	---	---	17	116	4.6	6.6	e0.00	e0.00
31	---	---	---	---	---	---	---	87	---	5.6	e0.00	---
TOTAL	---	---	---	---	---	---	---	3,718	803.0	350.9	184.05	0.27
MEAN	---	---	---	---	---	---	---	120	26.8	11.3	5.94	0.01
MAX	---	---	---	---	---	---	---	258	130	71	42	0.27
MIN	---	---	---	---	---	---	---	13	4.4	5.6	0.00	0.00
AC-FT	---	---	---	---	---	---	---	7,370	1,590	696	365	0.5

e Estimated

08263500 RIO GRANDE NEAR CERRO, NM

LOCATION.--Lat 36°44'24", long 105°40'59", in NW ¼ NE ¼ sec.20, T.29 N., R.12 E., Taos County, Hydrologic Unit 13020101, on left bank 4 mi southwest of Cerro, 5.5 mi northwest of Questa, 7.4 mi upstream from Red River, and at mile 1,693.1.

DRAINAGE AREA.--8,440 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--May 1948 to September 1994, October 1995 to current year.

REVISED RECORDS.--WDR NM-80-I: 1978(M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,110 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and 7,000 acres in New Mexico. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	96	150	298	351	363	447	778	2,820	1,590	e272	73
2	53	113	259	305	339	363	433	722	2,650	1,440	e234	72
3	51	95	230	310	324	364	412	708	2,530	1,310	e220	73
4	51	169	251	320	310	358	396	737	2,430	1,200	e212	67
5	52	318	255	322	307	361	430	799	2,400	1,140	e205	64
6	53	336	243	308	317	351	489	804	2,410	1,110	e201	63
7	56	356	259	305	338	355	416	835	2,140	1,060	e193	62
8	57	356	282	291	349	359	401	963	1,960	981	e189	60
9	55	350	297	294	346	356	534	1,040	2,010	910	e181	61
10	55	348	319	305	333	360	674	1,040	2,100	861	e174	63
11	63	354	319	321	317	366	715	1,080	2,160	809	e159	63
12	115	389	321	339	361	376	610	1,210	2,160	740	e150	60
13	127	445	331	282	363	402	546	1,350	2,030	675	e156	60
14	119	441	336	239	395	450	543	1,320	1,850	629	e151	59
15	117	439	327	293	401	499	649	1,200	1,720	573	e167	59
16	118	432	338	307	433	527	828	1,330	1,640	477	e192	63
17	134	422	320	293	461	501	997	1,500	1,730	466	e234	60
18	151	417	322	285	449	502	1,120	1,750	1,880	465	e215	59
19	160	409	297	297	430	481	1,240	2,020	1,960	427	173	56
20	157	408	298	309	428	460	1,380	2,230	2,010	398	157	55
21	151	404	292	316	424	454	1,550	2,320	2,010	391	141	55
22	136	401	308	314	408	444	1,450	2,450	2,100	363	125	56
23	123	394	259	322	405	436	1,360	2,720	2,150	325	110	59
24	111	408	270	319	413	427	1,250	3,020	2,150	e300	e103	64
25	90	397	253	328	409	420	1,360	3,370	2,200	e320	e96	61
26	88	370	230	332	400	437	1,580	3,680	2,220	362	e92	59
27	93	347	225	341	389	428	1,310	3,800	2,190	418	e88	59
28	87	294	230	354	371	425	1,050	3,640	2,120	416	e84	57
29	87	359	250	345	---	412	950	3,470	2,070	395	e82	59
30	85	177	287	363	---	404	844	3,270	1,860	381	e81	61
31	88	---	291	356	---	431	---	3,100	---	339	e77	---
TOTAL	2,936	10,244	8,649	9,713	10,571	12,872	25,964	58,256	63,660	21,271	4,914	1,842
MEAN	94.7	341	279	313	378	415	865	1,879	2,122	686	159	61.4
MAX	160	445	338	363	461	527	1,580	3,800	2,820	1,590	272	73
MIN	51	95	150	239	307	351	396	708	1,640	300	77	55
AC-FT	5,820	20,320	17,160	19,270	20,970	25,530	51,500	115,600	126,300	42,190	9,750	3,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2005, BY WATER YEAR (WY)

	210	345	298	297	353	470	524	936	1,098	444	239	185
MEAN	210	345	298	297	353	470	524	936	1,098	444	239	185
MAX	1,310	1,073	774	566	657	1,010	2,335	4,577	4,400	2,181	1,273	970
(WY)	(1998)	(1987)	(1987)	(1987)	(1987)	(1987)	(1987)	(1987)	(1949)	(1986)	(1999)	(1999)
MIN	52.7	88.1	100	116	140	110	104	75.5	58.1	49.4	44.5	44.8
(WY)	(1957)	(1957)	(1964)	(1957)	(1957)	(1957)	(2003)	(2002)	(1977)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005	
ANNUAL TOTAL	116,626		230,892			
ANNUAL MEAN	319		633		450	
HIGHEST ANNUAL MEAN					1,275	
LOWEST ANNUAL MEAN					112	
HIGHEST DAILY MEAN	1,320	Mar 28	3,800	May 27	9,440	Jun 22, 1949
LOWEST DAILY MEAN	46	Sep 6	51	Oct 3	40	Sep 10, 1977
ANNUAL SEVEN-DAY MINIMUM	47	Sep 13	53	Oct 1	42	Sep 5, 1977
MAXIMUM PEAK FLOW			3,870	May 27	9,740	Jun 22, 1949
MAXIMUM PEAK STAGE			11.00	May 27	15.78	Jun 22, 1949
INSTANTANEOUS LOW FLOW			50	Oct 3	40	Sep 10, 1977
ANNUAL RUNOFF (AC-FT)	231,300		458,000		325,700	
10 PERCENT EXCEEDS	672		1,960		970	
50 PERCENT EXCEEDS	241		356		270	
90 PERCENT EXCEEDS	52		64		77	

e Estimated

08265000 RED RIVER NEAR QUESTA, NM

LOCATION.--Lat 36°42'12", long 105°34'05", in NE 1/4 SE 1/4 sec.32, T.29 N., R.13 E. (projected), Taos County, Hydrologic Unit 13020101, in Carson National Forest, on left bank 1.3 mi upstream from Cabresto Creek, 1.5 mi east of Questa, and at mile 9.0.

DRAINAGE AREA.--113 mi².

PERIOD OF RECORD.--April to October 1910 and January to September 1911 (gage heights and discharge measurements only), October 1912 to March 1924, May 1924 to September 1925, January to March 1926, September 1926 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Rio Colorado above Questa" 1910-11 and 1926-30, and as "Rio Colorado near Questa" 1912-25, 1930-48.

REVISED RECORDS.--WSP 808: 1935. WSP 1392: 1913, 1932, 1941, 1947-48. WSP 1712: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Wood or concrete control since Mar. 20, 1936. Datum of gage is 7,451.92 ft above NGVD of 1929. See WSP 1923 for history of changes prior to Oct. 4, 1938.

REMARKS.--Records good except for those estimated, which are poor. Diversions for irrigation of a few hundred acres upstream from station. Figures of discharge do not include flow in South ditch, which diverts from left bank 1,500 ft upstream and bypasses gage for irrigation and stock water downstream. Jan. 1966 to Dec. 1991, surface- and ground-water diversions by Molybdenum Corp. of America (Molycorp) refinery 5.5 mi upstream bypass gage in tailings pipelines on left bank and discharge into settling pond 3 mi downstream. Effluent from this pond enters Red River as surface water and is included in discharge at Red River below Fish Hatchery, near Questa (station 08266820). Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	18	e5.0	e12	e11	14	13	93	313	136	45	30
2	22	e12	e5.5	e13	e11	14	15	95	304	126	44	30
3	21	e11	e5.0	e12	e9.5	14	16	96	298	117	42	31
4	20	e14	e5.3	e14	e11	13	19	96	276	111	45	31
5	25	e14	e7.5	e13	e15	14	20	102	252	105	50	31
6	26	e16	e4.6	e11	16	14	19	110	242	102	49	31
7	24	17	e4.7	e10	15	14	22	130	244	94	52	35
8	22	16	e5.1	e16	14	14	32	136	236	88	47	33
9	21	e16	e5.6	e15	e12	14	33	144	236	85	44	31
10	21	17	e6.5	e14	e15	15	37	170	227	82	42	31
11	21	17	e8.0	e15	15	16	37	204	212	77	43	30
12	20	17	e8.3	e15	17	17	37	206	229	71	54	29
13	21	17	e8.8	e8.0	17	18	42	202	200	72	51	29
14	20	e14	e8.0	e7.7	15	e12	59	199	186	68	61	26
15	21	e13	e7.5	e9.0	15	e7.8	79	198	191	66	52	27
16	21	e12	e8.9	e11	15	e12	89	210	198	66	52	25
17	21	12	e7.5	e14	e12	e16	109	249	204	65	47	23
18	22	12	e7.5	e15	e13	16	117	270	200	67	44	22
19	20	13	e7.2	e13	16	e13	143	304	193	64	42	24
20	20	e14	e7.5	e13	15	15	152	348	192	62	40	25
21	19	e14	e7.8	e14	14	14	151	376	204	62	40	24
22	21	e13	e7.3	e14	15	13	147	425	215	58	37	24
23	20	e12	e6.3	e13	15	14	151	446	206	57	37	25
24	20	e11	e3.8	e14	14	13	164	419	195	57	36	25
25	20	e12	e5.5	e14	14	16	143	405	188	56	35	24
26	20	e14	e8.5	e13	14	16	129	426	186	55	34	24
27	20	e11	e9.3	e15	e11	14	116	414	169	51	33	23
28	20	e13	e10	e15	e10	16	103	387	159	49	32	27
29	20	e7.0	e11	e12	---	15	101	360	152	48	31	33
30	e18	e6.0	e15	e14	---	15	96	356	143	47	31	34
31	19	---	e13	e13	---	14	---	342	---	46	30	---
TOTAL	649	405.0	231.5	401.7	386.5	442.8	2,391	7,918	6,450	2,310	1,322	837
MEAN	20.9	13.5	7.47	13.0	13.8	14.3	79.7	255	215	74.5	42.6	27.9
MAX	26	18	15	16	17	18	164	446	313	136	61	35
MIN	18	6.0	3.8	7.7	9.5	7.8	13	93	143	46	30	22
AC-FT	1,290	803	459	797	767	878	4,740	15,710	12,790	4,580	2,620	1,660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

	22.1	16.3	11.5	11.9	12.4	15.6	37.0	116	132	59.8	37.7	27.8
MEAN	22.1	16.3	11.5	11.9	12.4	15.6	37.0	116	132	59.8	37.7	27.8
MAX	38.1	32.8	25.3	25.2	22.8	40.0	84.1	267	405	172	70.6	62.2
(WY)	(1986)	(1987)	(1994)	(1994)	(1988)	(1989)	(1985)	(1979)	(1979)	(1979)	(1966)	(1991)
MIN	7.93	8.09	3.88	3.91	4.81	5.11	9.73	9.63	7.02	8.49	5.63	8.81
(WY)	(1973)	(1977)	(1975)	(1973)	(1977)	(1977)	(1971)	(2002)	(2002)	(2002)	(2002)	(1978)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1966 - 2005

ANNUAL TOTAL	9,740.5	23,744.5	
ANNUAL MEAN	26.6	65.1	a41.8
HIGHEST ANNUAL MEAN			87.6
LOWEST ANNUAL MEAN			10.2
HIGHEST DAILY MEAN	138	May 12	557
LOWEST DAILY MEAN	2.7	Jan 6	2.5
ANNUAL SEVEN-DAY MINIMUM	4.2	Jan 5	3.1
MAXIMUM PEAK FLOW			b886
MAXIMUM PEAK STAGE			5.80
INSTANTANEOUS LOW FLOW			0.60
ANNUAL RUNOFF (AC-FT)	19,320	47,100	30,290
10 PERCENT EXCEEDS	66	200	104
50 PERCENT EXCEEDS	18	22	21
90 PERCENT EXCEEDS	6.5	10	7.8

a Average discharge for 52 years (water years 1913-25, 1927-65), 55.9 ft³/s, 40,500 acre-ft/yr, prior to extensive upstream diversions by Molycorp.

b From rating curve extended above 450 ft³/s.

c Estimated

08266820 RED RIVER BELOW FISH HATCHERY NEAR QUESTA, NM

LOCATION.--Lat 36°40'58", long 105°39'14", in NE ¼ NW ¼ NW ¼ sec.10, T.28 N., R.12 E., Taos County, Hydrologic Unit 13020101, on right bank at the State Fish Hatchery, 3.7 mi southwest of Questa, and 3.8 mi upstream from mouth.

DRAINAGE AREA.--185 mi².

PERIOD OF RECORD.--August 1969 to July 1978 (discharge measurements only), August 1978 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,105 ft above NGVD of 1929, from topographic map. Prior to May 5, 1999, at site about 0.25 mi downstream at datum 11.54 ft lower.

REMARKS.--Records good except for those estimated, which are poor. Diversions for irrigation of about 3,000 acres upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	39	25	35	32	37	38	124	333	164	72	53
2	43	34	25	36	32	38	41	120	340	151	73	53
3	40	33	25	35	31	37	42	120	333	144	73	53
4	38	35	25	36	32	37	44	115	314	145	74	53
5	42	35	27	36	38	37	46	125	292	138	81	56
6	45	35	29	33	39	36	45	135	281	132	79	56
7	42	35	29	31	38	37	45	147	258	116	84	61
8	39	34	29	37	37	37	58	148	248	117	77	58
9	38	35	30	37	34	37	63	154	246	111	71	55
10	38	36	31	36	35	38	65	182	238	109	68	53
11	38	36	33	37	38	39	64	214	229	102	69	53
12	38	36	33	36	42	40	62	233	248	98	81	53
13	40	36	33	29	40	41	65	234	221	93	83	52
14	41	34	32	29	38	39	79	218	228	91	90	50
15	42	33	31	29	38	34	110	224	245	96	76	50
16	41	32	32	31	39	32	117	240	256	90	80	48
17	41	32	30	34	37	37	146	289	267	89	77	45
18	43	31	31	35	38	40	149	337	252	94	78	45
19	39	32	31	36	40	39	158	353	244	89	76	44
20	39	34	31	36	39	40	177	365	236	86	72	44
21	39	35	32	37	38	39	178	409	239	86	70	43
22	40	35	32	36	39	38	175	449	260	86	68	44
23	39	34	31	36	38	39	179	519	246	85	68	45
24	40	33	25	36	37	39	195	539	238	87	66	45
25	40	34	27	37	38	40	173	557	233	88	62	44
26	41	37	30	37	39	40	149	489	234	88	59	44
27	40	35	32	38	37	39	139	353	216	80	58	48
28	40	37	32	38	37	41	127	308	211	78	59	54
29	40	32	34	36	---	41	126	315	209	74	58	55
30	38	26	39	38	---	41	125	336	186	73	54	59
31	39	---	36	37	---	40	---	351	---	71	53	---
TOTAL	1,245	1,025	942	1,090	1,040	1,189	3,180	8,702	7,581	3,151	2,209	1,516
MEAN	40.2	34.2	30.4	35.2	37.1	38.4	106	281	253	102	71.3	50.5
MAX	45	39	39	38	42	41	195	557	340	164	90	61
MIN	38	26	25	29	31	32	38	115	186	71	53	43
AC-FT	2,470	2,030	1,870	2,160	2,060	2,360	6,310	17,260	15,040	6,250	4,380	3,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2005, BY WATER YEAR (WY)

MEAN	50.9	45.9	41.7	42.2	42.6	46.2	74.6	183	193	94.7	65.7	57.3
MAX	71.0	59.2	51.0	55.3	57.9	72.0	144	374	520	227	95.3	86.9
(WY)	(1986)	(1992)	(1987)	(1992)	(1992)	(1989)	(1985)	(1994)	(1979)	(1995)	(1993)	(1986)
MIN	29.0	33.0	28.2	30.8	30.8	34.6	32.8	27.1	27.5	29.3	25.2	31.2
(WY)	(1979)	(1979)	(1979)	(2003)	(2004)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(1978)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1978 - 2005

ANNUAL TOTAL	17,275	32,870	
ANNUAL MEAN	47.2	90.1	78.3
HIGHEST ANNUAL MEAN			129
LOWEST ANNUAL MEAN			33.9
HIGHEST DAILY MEAN	151	May 12	557
LOWEST DAILY MEAN	24	Jan 22	25
ANNUAL SEVEN-DAY MINIMUM	25	Feb 2	26
MAXIMUM PEAK FLOW			658
MAXIMUM PEAK STAGE			5.88
INSTANTANEOUS LOW FLOW			20
ANNUAL RUNOFF (AC-FT)	34,260	65,200	56,710
10 PERCENT EXCEEDS	79	237	151
50 PERCENT EXCEEDS	39	43	51
90 PERCENT EXCEEDS	30	32	35

08267500 RIO HONDO NEAR VALDEZ, NM

LOCATION.--Lat 36°32'31", long 105°33'22", Taos County, Hydrologic Unit 13020101, in Carson National Forest, on right bank 500 ft upstream from first diversion, 1.6 mi east of Valdez, 3.8 mi downstream from South Fork, and at mile 9.2.

DRAINAGE AREA.--36.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1934 to current year.

REVISED RECORDS.--WSP 1342: 1935. WSP 1712: drainage area. WSP 1732: 1942(M).

GAGE.--Water-stage recorder. Concrete control since Oct. 28, 1938. Elevation of gage is 7,650 ft above NGVD of 1929, from topographic map. Prior to Oct. 28, 1938, at datum 1.92 ft lower.

REMARKS.--Water-discharge records fair except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Table with columns: DAY, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows show daily mean discharge values from Oct 1 to Sep 31, including totals and extremes.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2005, BY WATER YEAR (WY)

Table with columns: MEAN, MAX, (WY), MIN, (WY) and rows for years 1935, 1942, 1949, 1957, 1964, 1977, 1989, 1993, 1995, 2002, 2003.

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1935 - 2005

Summary statistics table comparing 2004, 2005, and historical 1935-2005 data for metrics like Annual Total, Mean, Highest/Lowest Annual Mean, Daily Mean, Seven-Day Minimum, Peak Flow, Peak Stage, and Runoff.

a Maximum gage height on Dec. 24, 1965, due to backwater from ice.

b Result of freeze up.

e Estimated

08269000 RIO PUEBLO DE TAOS NEAR TAOS, NM

LOCATION.--Lat 36°26'22", long 105°30'13", in SW ¼ SE ¼ sec.36, T.26 N., R.13 E., Taos County, Hydrologic Unit 13020101, in Taos Pueblo Grant, on right bank 2.3 mi east of Taos Pueblo, 4.5 mi northeast of Taos, 5.8 mi upstream from Rio Lucero, and at mile 15.1.

DRAINAGE AREA.--66.6 mi².

PERIOD OF RECORD.--January 1911 to December 1916, January 1940 to December 1951 (annual maximum), water years 1952-62, October 1962 (monthly discharge only), November 1962 to current year. Monthly discharge only for some periods, published in WSP 1312.

REVISED RECORDS.--WSP 1312: 1911-12, 1914. WSP 1732: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Nov. 20, 1962. Elevation of gage is 7,380 ft above NGVD of 1929, from topographic map. See WSP 1923 for history of changes prior to Nov. 20, 1962.

REMARKS.--Records good except for those estimated, which are poor. No diversions upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	7.7	e4.0	e5.5	e5.0	e6.9	11	97	173	44	12	8.8
2	6.0	5.9	e5.0	e4.5	e5.4	e6.9	13	94	162	41	12	8.7
3	5.7	6.2	e6.0	e5.2	e3.7	e7.2	16	92	156	38	12	9.1
4	5.6	7.4	e6.2	e5.6	e5.5	e7.6	22	101	143	36	11	8.4
5	14	7.3	e6.8	e5.5	e6.2	e8.2	28	121	128	34	13	8.4
6	11	7.3	e7.0	e4.5	e6.2	e8.0	25	139	122	33	17	8.6
7	10	7.1	e6.8	e3.5	e6.1	8.9	32	172	119	30	19	9.1
8	9.0	7.3	e6.3	e5.4	e6.0	9.6	45	163	115	29	14	9.5
9	8.5	7.4	e6.2	e4.9	e4.5	10	45	164	108	27	13	8.6
10	8.2	7.4	e6.2	e6.5	e7.0	12	46	188	103	26	13	8.2
11	8.0	7.3	e6.2	e8.0	e6.3	15	41	238	97	25	12	7.7
12	7.8	7.1	e6.4	e6.0	e7.0	18	37	228	100	24	18	7.5
13	7.8	7.0	e6.3	e4.5	e7.8	22	43	200	89	26	16	7.3
14	8.0	6.1	e5.0	e4.9	e7.2	e17	61	185	82	22	21	7.1
15	8.2	7.3	e4.8	e4.4	e7.4	e13	83	198	80	21	17	7.1
16	7.9	6.9	e7.0	e5.5	e7.6	e9.5	91	221	82	21	16	7.0
17	7.6	6.9	e4.5	e6.2	8.1	e15	129	264	84	20	15	6.8
18	8.3	6.9	e6.5	e5.7	8.1	14	138	266	81	21	14	6.5
19	7.9	6.9	e5.5	e6.1	8.6	12	155	252	78	19	13	6.4
20	7.7	6.9	e5.0	e7.6	e8.0	11	155	290	76	18	13	6.3
21	7.4	7.2	e5.7	e7.2	8.0	11	152	324	81	18	12	6.3
22	8.5	7.2	e7.0	e7.2	8.3	10	146	328	81	17	12	6.5
23	7.7	7.1	e3.8	e6.6	e8.0	11	150	309	75	18	12	9.1
24	7.6	e6.5	e3.6	e6.6	8.0	11	166	306	71	19	11	7.4
25	7.5	e5.5	e5.3	e6.8	7.8	11	144	305	68	17	11	6.7
26	9.0	e6.0	e6.3	e7.2	e7.4	11	123	285	68	17	10	6.4
27	9.0	e4.5	e6.4	e6.9	e7.0	10	121	279	60	16	9.9	6.3
28	9.1	e7.0	e5.8	e6.6	e6.9	12	122	264	55	15	10	11
29	9.1	e5.5	e5.8	e7.0	---	13	114	237	51	15	10	23
30	8.4	e4.2	e7.0	e7.2	---	13	102	214	47	14	9.5	17
31	8.1	---	e6.0	e6.0	---	12	---	196	---	13	9.0	---
TOTAL	254.7	201.0	180.4	185.3	193.1	356.8	2,556	6,720	2,835	734	407.4	256.8
MEAN	8.22	6.70	5.82	5.98	6.90	11.5	85.2	217	94.5	23.7	13.1	8.56
MAX	14	7.7	7.0	8.0	8.6	22	166	328	173	44	21	23
MIN	5.6	4.2	3.6	3.5	3.7	6.9	11	92	47	13	9.0	6.3
AC-FT	505	399	358	368	383	708	5,070	13,330	5,620	1,460	808	509

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

	9.54	8.87	7.67	6.72	7.29	13.5	49.1	116	70.6	22.1	14.7	11.0
MEAN	9.54	8.87	7.67	6.72	7.29	13.5	49.1	116	70.6	22.1	14.7	11.0
MAX	19.1	17.5	12.5	11.1	13.3	39.7	155	356	268	75.4	32.2	32.4
(WY)	(1942)	(1942)	(1992)	(1984)	(1995)	(1989)	(1942)	(1941)	(1979)	(1995)	(1991)	(1982)
MIN	3.84	4.80	3.85	3.39	3.64	5.58	11.3	4.71	2.74	2.69	1.80	3.17
(WY)	(2003)	(1982)	(2003)	(1964)	(1964)	(1964)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1913 - 2005	
ANNUAL TOTAL	5,029.8		14,880.5			
ANNUAL MEAN	13.7		40.8		28.9	
HIGHEST ANNUAL MEAN					72.3	
LOWEST ANNUAL MEAN					5.32	
HIGHEST DAILY MEAN	71	May 11	328	May 22	926	May 26, 1979
LOWEST DAILY MEAN	3.6	Jan 27	3.5	Jan 7	1.4	Aug 18, 2002
ANNUAL SEVEN-DAY MINIMUM	4.0	Jan 17	4.9	Jan 2	1.5	Aug 13, 2002
MAXIMUM PEAK FLOW			349	May 20	a1,050	May 26, 1979
MAXIMUM PEAK STAGE			2.54	May 20	b3.90	May 14, 1941
INSTANTANEOUS LOW FLOW			2.5	Nov 27	0.69	Feb 27, 1991
ANNUAL RUNOFF (AC-FT)	9,980		29,520		20,910	
10 PERCENT EXCEEDS	35		141		72	
50 PERCENT EXCEEDS	7.3		9.5		10	
90 PERCENT EXCEEDS	4.3		5.8		5.4	

a From rating extended above 370 ft³/s.

b From floodmarks, site and datum then in use.

c Estimated

08271000 RIO LUCERO NEAR ARROYO SECO, NM

LOCATION.--Lat 36°00'29", long 105°31'50", Taos County, Hydrologic Unit 13020101, in Tract C, Taos Pueblo Grant, on right bank 200 ft upstream from diversion dam for Tenorio and Indian ditches, 2.2 mi east of Arroyo Seco, 7.4 mi northeast of Taos, and at mile 8.1.

DRAINAGE AREA.--16.6 mi².

PERIOD OF RECORD.--April to December 1910 (discharge measurements and occasional gage heights); January 1911 to September 1915, March to December 1916 (fragmentary); water years 1911-15, 1934 to current year (annual maximum); water years 1952-62, October to November 1962 (monthly discharge only); January 1913 to September 1915, October 1934 to September 1951, December 1962 to current year. Monthly discharge only for some periods, published in WSP 1312. Fragmentary records for October 1915 to February 1916, published in WSP 438, are unreliable and should not be used. Published as "near Taos," 1910-16.

REVISED RECORDS.--WSP 1512: 1912, 1916, 1949. WSP 1732: drainage area. WDR NM-75-1: 1973. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Nov. 21, 1962. Datum of gage is 8,051.44 ft above NGVD of 1929. See WSP 1923 for history of changes prior to Nov. 21, 1962.

REMARKS.--Records good except for those estimated, which are poor. No diversions upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.8	8.4	e4.2	e5.8	e5.1	5.8	7.6	26	141	71	17	13
2	e9.7	e7.8	e4.3	e6.0	e5.0	5.8	8.0	25	135	66	17	13
3	e9.1	9.1	e4.1	e5.8	e4.7	5.8	9.2	26	131	62	17	12
4	e8.8	8.7	e4.5	e6.2	e4.9	5.9	11	30	123	59	17	12
5	9.9	8.3	e5.5	e5.6	e5.5	6.1	12	34	117	56	18	12
6	9.7	8.1	e5.4	e4.9	e6.0	6.2	12	38	116	52	19	12
7	9.3	8.0	e5.1	e4.8	e5.0	6.5	15	45	119	49	19	12
8	9.0	8.0	e5.3	e6.3	e4.7	6.8	21	42	118	46	17	12
9	8.8	8.1	e5.4	e6.0	e4.6	7.4	20	45	114	44	17	12
10	8.8	8.0	e5.2	e5.4	e4.8	8.7	20	59	107	42	17	11
11	8.8	8.0	e5.8	e5.8	e5.0	11	18	78	96	39	17	11
12	8.6	7.9	e6.0	e5.0	e6.2	12	17	73	99	37	20	11
13	8.6	7.7	e6.0	e4.5	e5.7	13	20	65	89	37	18	11
14	8.6	e6.8	e5.5	e4.4	e5.4	12	29	67	88	34	24	11
15	8.8	7.8	e4.7	e4.7	7.0	e7.5	37	71	93	32	21	10
16	8.6	7.7	e5.9	e5.0	7.0	e6.5	42	78	98	30	21	10
17	8.5	7.7	e5.1	e5.3	6.8	e8.0	53	88	102	29	20	10
18	8.7	7.4	e5.3	e5.8	6.7	8.4	51	91	100	28	19	9.7
19	8.4	7.4	e5.1	e5.3	6.8	8.0	e65	98	98	26	18	9.6
20	8.4	7.3	e5.3	e5.3	7.0	8.0	e77	131	98	27	18	9.5
21	8.4	7.4	e6.0	e6.1	6.7	7.7	e73	151	100	25	17	9.4
22	8.7	7.4	e5.7	e5.3	6.7	7.4	e69	180	102	24	17	9.5
23	8.4	7.2	e5.0	e5.0	6.7	7.4	63	201	100	25	16	10
24	8.7	e6.3	e4.4	e5.2	6.4	7.4	73	196	96	24	16	9.4
25	8.5	e6.9	e5.0	e5.8	6.4	7.4	57	174	94	23	15	9.2
26	9.8	e6.9	e6.0	e5.6	6.1	7.1	47	147	92	23	15	9.0
27	9.6	e6.0	e6.0	e6.7	e5.8	7.1	42	146	86	21	14	9.0
28	9.5	e6.5	e6.2	e6.7	e5.7	7.6	37	156	81	20	14	11
29	9.2	e5.2	e7.0	e5.3	---	8.0	32	137	76	20	14	14
30	e7.5	e4.8	e7.5	e6.5	---	8.0	28	138	74	19	13	12
31	e8.5	---	e6.0	e5.7	---	7.7	---	141	---	18	13	---
TOTAL	275.7	222.8	168.5	171.8	164.4	242.2	1,065.8	2,977	3,083	1,108	535	326.3
MEAN	8.89	7.43	5.44	5.54	5.87	7.81	35.5	96.0	103	35.7	17.3	10.9
MAX	9.9	9.1	7.5	6.7	7.0	13	77	201	141	71	24	14
MIN	7.5	4.8	4.1	4.4	4.6	5.8	7.6	25	74	18	13	9.0
AC-FT	547	442	334	341	326	480	2,110	5,900	6,120	2,200	1,060	647

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11.2	8.83	7.07	5.93	5.93	9.11	21.9	58.3	68.9	29.4	17.8	13.4
MAX	27.8	22.0	14.8	10.0	9.92	21.2	47.5	156	178	101	37.5	34.5
(WY)	(1942)	(1942)	(1991)	(1942)	(1991)	(1989)	(1937)	(1941)	(1941)	(1995)	(1967)	(1982)
MIN	4.81	4.82	3.78	3.51	3.47	4.11	7.46	6.04	4.51	4.38	3.61	4.80
(WY)	(2003)	(2003)	(2003)	(1951)	(1964)	(1977)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1913 - 2005
ANNUAL TOTAL	4,553.8	10,340.5	
ANNUAL MEAN	12.4	28.3	21.7
HIGHEST ANNUAL MEAN			46.7
LOWEST ANNUAL MEAN			5.34
HIGHEST DAILY MEAN	55	201	246
LOWEST DAILY MEAN	3.8	4.1	2.0
ANNUAL SEVEN-DAY MINIMUM	3.9	4.7	2.7
MAXIMUM PEAK FLOW		214	310
MAXIMUM PEAK STAGE		3.13	3.17
INSTANTANEOUS LOW FLOW		4.0	1.4
ANNUAL RUNOFF (AC-FT)	9,030	20,510	15,740
10 PERCENT EXCEEDS	27	92	53
50 PERCENT EXCEEDS	8.8	9.6	11
90 PERCENT EXCEEDS	4.4	5.3	5.2

e Estimated

08275500 RIO GRANDE DEL RANCHO NEAR TALPA, NM

LOCATION.--Lat 36°17'56", long 105°34'54", Taos County, Hydrologic Unit 13020101, in Carson National Forest, Rancho del Rio Grande Grant, on right bank 1.6 mi downstream from Rito de la Olla (locally known as Pot Creek), 3.2 mi south of Talpa, 4.1 mi upstream from Rio Chiquito, and at mile 6.7.

DRAINAGE AREA.--83 mi², approximately.

PERIOD OF RECORD.--October 1952 to September 1982, October 1983 to September 1985 (annual maximum only), October 1985 to current year. Prior to October 1955, published as "near Taos," and October 1955 to September 1960, as "Rio Grande de Ranchos near Talpa."

GAGE.--Water-stage recorder. Elevation of gage is 7,240 ft above NGVD of 1929, from topographic map. Prior to Nov. 11, 1952, nonrecording gage at site 1,035 ft downstream at lower datum. Nov. 11, 1952, to Nov. 5, 1968, water-stage recorder at site 1,000 ft downstream at lower datum. Nov. 6, 1968, to Aug. 28, 1980, water-stage recorder at present site on left bank at same datum.

REMARKS.--Records poor. Minor diversions for irrigation above station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.9	2.5	3.3	e4.5	e3.8	5.6	41	110	14	5.7	5.7
2	3.6	3.7	2.7	3.4	e3.3	e4.0	7.2	43	96	13	5.6	6.0
3	3.7	3.3	2.9	3.4	e3.0	e4.2	8.5	43	84	12	5.9	6.7
4	3.6	3.2	3.3	3.6	e3.3	3.5	10	42	77	12	5.9	6.2
5	4.8	3.2	3.7	e4.1	e4.1	3.7	12	44	68	11	10	5.8
6	5.0	3.3	3.5	e3.7	e4.0	3.8	12	48	60	11	9.0	5.5
7	4.6	3.3	3.3	e3.0	e3.8	3.9	14	58	54	10	8.3	5.6
8	4.2	3.3	3.4	e3.9	e3.8	4.0	18	62	50	9.6	7.5	5.6
9	4.0	3.6	3.5	e3.7	e3.3	4.0	22	66	46	9.0	6.7	6.2
10	4.0	3.7	3.5	e4.0	e3.4	4.4	23	81	44	8.5	6.4	6.1
11	3.9	3.7	3.6	e4.5	e3.7	4.7	21	101	42	8.2	6.6	5.5
12	3.9	3.8	3.6	e5.4	e4.6	5.2	19	106	43	7.9	16	5.2
13	4.1	3.7	3.6	e4.3	e5.0	5.9	20	104	36	8.4	14	5.1
14	4.2	3.7	3.5	e3.2	e5.3	6.6	26	105	33	7.9	14	4.9
15	4.0	3.6	3.8	e3.3	e4.7	5.2	32	105	31	7.3	11	4.8
16	3.9	3.6	3.9	e3.0	e4.8	4.4	38	109	30	7.8	11	4.7
17	3.9	3.6	3.5	e3.4	e4.8	5.4	52	134	29	6.9	9.6	4.5
18	4.0	3.6	3.8	e3.2	e4.7	6.6	54	167	28	6.8	8.9	4.4
19	4.0	3.9	3.8	e3.2	e4.9	6.3	57	182	27	8.1	8.5	4.3
20	3.8	4.0	3.7	e3.3	e5.4	6.8	56	211	25	7.2	8.3	4.2
21	3.7	3.9	3.7	e3.5	e5.2	6.5	55	267	25	7.7	8.0	4.2
22	4.4	3.8	3.6	e3.6	e4.9	5.9	52	318	25	8.1	7.5	4.3
23	4.2	3.9	3.0	e3.5	e5.0	6.5	52	338	22	7.1	7.3	5.0
24	4.0	3.9	3.6	e3.5	e4.8	6.2	66	343	21	7.5	7.1	4.9
25	4.1	3.6	3.6	e3.6	e4.5	6.1	60	299	21	7.3	6.6	4.4
26	4.3	3.6	3.8	e3.5	e4.4	6.4	55	263	23	8.1	6.3	4.3
27	4.6	3.5	3.4	e4.0	e4.2	6.1	51	234	20	7.5	6.1	4.2
28	4.5	3.9	3.0	e3.6	e4.0	7.0	47	199	18	7.0	6.2	6.5
29	4.7	3.8	3.9	e3.3	---	7.8	45	164	17	6.7	6.9	2.2
30	4.5	2.8	5.8	e3.8	---	7.4	41	140	15	6.1	6.1	1.6
31	4.1	---	3.5	e3.5	---	6.8	---	125	---	5.9	5.6	---
TOTAL	128.1	108.4	110.0	112.3	121.4	169.1	1,031.3	4,542	1,220	265.6	252.6	182.8
MEAN	4.13	3.61	3.55	3.62	4.34	5.45	34.4	147	40.7	8.57	8.15	6.09
MAX	5.0	4.0	5.8	5.4	5.4	7.8	66	343	110	14	16	22
MIN	3.6	2.8	2.5	3.0	3.0	3.5	5.6	41	15	5.9	5.6	4.2
AC-FT	254	215	218	223	241	335	2,050	9,010	2,420	527	501	363

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2005, BY WATER YEAR (WY)

MEAN	7.10	6.41	5.51	5.04	5.34	9.03	29.9	89.8	48.9	13.4	11.5	8.34
MAX	15.3	13.9	10.4	9.19	9.31	22.9	91.9	264	174	41.9	35.7	24.9
(WY)	(1999)	(1995)	(1958)	(1958)	(1989)	(1994)	(1962)	(1994)	(1995)	(1986)	(1957)	(1957)
MIN	2.12	2.95	1.53	1.68	2.19	4.55	6.64	3.76	1.73	1.67	0.88	1.44
(WY)	(1957)	(1957)	(2003)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1953 - 2005

ANNUAL TOTAL	2,888.7	8,243.6		
ANNUAL MEAN	7.89	22.6	20.1	
HIGHEST ANNUAL MEAN			44.0	1994
LOWEST ANNUAL MEAN			3.23	2002
HIGHEST DAILY MEAN	58	May 12	590	May 22, 1991
LOWEST DAILY MEAN	1.1	Feb 12	0.58	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	1.6	Feb 6	0.64	Aug 14, 2002
MAXIMUM PEAK FLOW			644	May 22, 1991
MAXIMUM PEAK STAGE			6.87	May 24, 2005
INSTANTANEOUS LOW FLOW			2.1	Dec 1
ANNUAL RUNOFF (AC-FT)	5,730	16,350	14,560	
10 PERCENT EXCEEDS	19	55	46	
50 PERCENT EXCEEDS	3.9	5.5	7.6	
90 PERCENT EXCEEDS	2.3	3.5	3.6	

e Estimated

08276300 RIO PUEBLO DE TAOS BELOW LOS CORDOVAS, NM

LOCATION.--Lat 36°22'45", long 105°40'00", Taos County, Hydrologic Unit 13020101, in Gijosa Grant, on left bank 1.9 mi southwest of Los Cordovas, 2.5 mi downstream from Rio Grande del Rancho, and at mile 5.1.

DRAINAGE AREA.--380 mi².

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WSP 1732: 1957(M). WSP 1923: 1957(P), 1958. WDR NM-81-1: 1979(P).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,650 ft above NGVD of 1929, from topographic map. Prior to Sept. 4, 1984, at site 700 ft downstream at same datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of about 12,000 acres upstream from station, of which about 1,700 acres are irrigated by water from Rio Hondo.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	17	e16	18	22	18	30	242	509	89	7.6	10
2	9.2	17	15	16	21	19	33	262	473	74	5.5	13
3	9.1	16	15	16	20	21	30	283	437	66	4.7	9.2
4	7.3	17	15	19	21	21	34	298	394	51	7.5	11
5	12	17	14	17	22	22	45	309	351	42	11	11
6	15	17	14	16	23	23	43	325	328	36	14	13
7	13	17	15	18	23	23	56	381	320	30	15	34
8	13	17	14	16	24	23	95	393	305	25	13	20
9	11	17	15	19	21	22	113	391	286	22	9.3	15
10	10	19	16	26	21	24	127	433	283	21	13	13
11	11	e17	16	30	24	26	118	501	260	21	9.6	12
12	12	e16	15	23	26	28	94	503	284	15	26	10
13	13	e16	15	20	27	32	95	466	237	18	20	11
14	14	e14	14	18	27	33	128	439	211	19	39	9.1
15	13	e21	15	19	25	30	115	443	215	16	26	10
16	13	e19	15	18	26	28	e140	455	212	11	50	9.7
17	13	e18	15	19	26	31	e175	499	197	11	27	10
18	14	e18	15	19	26	36	226	595	193	14	22	10
19	13	e18	15	19	28	33	267	587	184	13	20	9.5
20	14	e20	15	19	30	32	372	657	175	11	19	5.7
21	13	e23	15	19	29	30	358	888	185	10	18	5.2
22	16	e22	15	19	27	27	352	952	196	10	17	6.9
23	16	e21	18	19	27	29	347	998	187	20	18	12
24	16	e21	32	19	26	31	401	962	174	35	17	14
25	15	e19	23	19	25	28	392	968	169	19	16	16
26	18	e20	25	20	24	30	365	915	181	22	14	14
27	21	e18	14	23	23	27	335	865	157	20	13	14
28	19	e21	15	31	21	29	317	862	143	15	12	19
29	18	e19	16	29	---	32	296	751	127	15	13	88
30	18	e17	49	28	---	33	267	656	107	11	10	68
31	18	---	20	26	---	32	---	567	---	9.8	8.8	---
TOTAL	429.6	549	541	637	685	853	5,766	17,846	7,480	791.8	516.0	503.3
MEAN	13.9	18.3	17.5	20.5	24.5	27.5	192	576	249	25.5	16.6	16.8
MAX	21	23	49	31	30	36	401	998	509	89	50	88
MIN	7.3	14	14	16	20	18	30	242	107	9.8	4.7	5.2
AC-FT	852	1,090	1,070	1,260	1,360	1,690	11,440	35,400	14,840	1,570	1,020	998

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

	25.1	31.4	32.3	31.4	36.2	46.7	107	243	132	27.8	22.9	21.6
MEAN	25.1	31.4	32.3	31.4	36.2	46.7	107	243	132	27.8	22.9	21.6
MAX	74.9	71.9	56.8	48.4	60.3	113	440	1,063	708	169	97.9	67.5
(WY)	(1958)	(1958)	(1987)	(1995)	(1987)	(1995)	(1994)	(1994)	(1979)	(1995)	(1957)	(1993)
MIN	4.85	9.68	6.32	6.15	9.11	19.8	8.32	4.10	2.69	1.84	2.03	3.71
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(1972)	(2002)	(2002)	(2003)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1957 - 2005

ANNUAL TOTAL	7,082.79	36,597.7	
ANNUAL MEAN	19.4	100	62.6
HIGHEST ANNUAL MEAN			193
LOWEST ANNUAL MEAN			11.1
HIGHEST DAILY MEAN	112	998	1,940
LOWEST DAILY MEAN	0.70	4.7	0.01
ANNUAL SEVEN-DAY MINIMUM	0.91	8.1	0.01
MAXIMUM PEAK FLOW		1,420	a2,380
MAXIMUM PEAK STAGE		8.57	8.93
INSTANTANEOUS LOW FLOW		1.3	0.00
ANNUAL RUNOFF (AC-FT)	14,050	72,590	45,370
10 PERCENT EXCEEDS	38	349	119
50 PERCENT EXCEEDS	17	21	30
90 PERCENT EXCEEDS	2.7	11	8.0

a From rating curve extended above 900 ft³/s.

e Estimated

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM

LOCATION.--Lat 36°19'12", long 105°45'14", in NW ¼ NE ¼ sec.15, T.24 N., R.11 E., Taos County, Hydrologic Unit 13020101, on left bank 1.7 mi downstream from bridge on State Highway 567, 2.0 mi downstream from Rio Pueblo de Taos, 11.8 mi southwest of Taos, and at mile 1,657.7.

DRAINAGE AREA.--9,730 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1925 to current year. Prior to October 1930, monthly discharge only, published in WSP 1312. Published as "at Taos Junction Bridge" prior to 1934.

REVISED RECORDS.--WSP 788: 1934(M). WSP 828: drainage area. WSP 1392: 1931-1932, 1935, 1937, 1945, 1950.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,050.3 ft above NGVD of 1929. Prior to Apr. 14, 1934, at bridge 1.7 mi upstream at different datum.

REMARKS.--Water-discharge records good. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and 30,000 acres in New Mexico.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood since at least 1888, about 14,000 ft³/s June 19, 1903, from records for Rio Grande at Embudo and estimated inflow. Other floods exceeding 10,000 ft³/s occurred June 9, 1905, May 28, 1920, and June 16, 1921, from comparison of records for stations near Lobatos and at Embudo.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	246	287	480	529	541	614	1,270	4,180	2,100	509	227
2	193	254	359	485	508	537	616	1,230	3,830	1,920	466	228
3	193	259	378	496	490	539	595	1,210	3,640	1,800	448	230
4	188	255	396	504	487	536	573	1,230	3,410	1,650	437	227
5	190	393	418	515	492	537	602	1,300	3,330	1,580	418	223
6	210	503	420	501	495	534	664	1,370	3,250	1,510	415	225
7	208	518	419	480	518	525	658	1,440	3,040	1,440	415	240
8	203	537	437	480	524	538	629	1,570	2,750	1,350	399	236
9	202	529	463	466	542	535	703	1,680	2,740	1,260	383	223
10	198	531	487	498	512	538	913	1,760	2,810	1,190	379	222
11	199	532	505	509	491	550	989	1,890	2,850	1,130	359	220
12	215	541	505	532	532	558	966	2,070	2,880	1,060	363	217
13	275	618	508	500	604	589	832	2,170	2,720	973	352	211
14	275	635	520	415	582	638	850	2,160	2,510	915	365	210
15	267	633	508	431	595	689	969	2,050	2,330	847	361	208
16	268	631	513	471	612	711	1,190	2,120	2,270	753	473	208
17	269	617	509	480	647	718	1,530	2,350	2,290	681	459	209
18	e293	610	503	466	660	704	1,670	2,680	2,440	697	425	202
19	e305	599	482	468	639	688	1,870	2,980	2,520	666	378	202
20	309	608	470	485	625	661	1,980	3,350	2,580	625	344	199
21	303	606	472	496	630	644	2,200	3,780	2,600	607	326	196
22	301	595	473	499	612	628	2,110	4,150	2,700	601	308	195
23	285	589	459	506	598	618	2,040	4,580	2,730	550	290	203
24	274	592	414	505	606	605	1,980	4,940	2,740	537	279	209
25	259	597	410	504	597	595	1,990	5,400	2,760	519	267	210
26	244	568	401	513	591	609	2,170	5,730	2,800	572	254	206
27	250	554	389	535	578	605	1,990	5,900	2,740	606	247	203
28	250	494	389	547	557	598	1,660	5,640	2,640	630	242	210
29	243	524	405	554	---	591	1,540	5,270	2,570	617	237	253
30	245	444	475	550	---	581	1,390	4,910	2,410	591	229	260
31	238	---	484	560	---	590	---	4,620	---	560	228	---
TOTAL	7,547	15,612	13,858	15,431	15,853	18,530	38,483	92,800	85,060	30,537	11,055	6,512
MEAN	243	520	447	498	566	598	1,283	2,994	2,835	985	357	217
MAX	309	635	520	560	660	718	2,200	5,900	4,180	2,100	509	260
MIN	188	246	287	415	487	525	573	1,210	2,270	519	228	195
AC-FT	14,970	30,970	27,490	30,610	31,440	36,750	76,330	184,100	168,700	60,570	21,930	12,920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2005, BY WATER YEAR (WY)

MEAN	413	522	491	481	546	666	847	1,741	1,748	721	412	378
MAX	1,675	1,532	1,018	764	865	1,195	3,020	6,055	6,007	3,445	1,537	2,086
(WY)	(1942)	(1942)	(1942)	(1986)	(1987)	(1987)	(1942)	(1987)	(1941)	(1995)	(1929)	(1927)
MIN	171	224	243	263	290	259	250	205	181	177	163	161
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1981)	(2002)	(2002)	(2002)	(2002)	(1956)

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1926 - 2005	
ANNUAL TOTAL	180,281		351,278			
ANNUAL MEAN	493		962		747	
HIGHEST ANNUAL MEAN					1,840	1942
LOWEST ANNUAL MEAN					271	1964
HIGHEST DAILY MEAN	1,540	Mar 29	5,900	May 27	9,730	Jun 7, 1948
LOWEST DAILY MEAN	168	Sep 14	188	Oct 4	158	Aug 15, 2002
ANNUAL SEVEN-DAY MINIMUM	169	Sep 12	197	Oct 1	159	Sep 19, 1956
MAXIMUM PEAK FLOW			6,020	May 27	9,730	Jun 7, 1948
MAXIMUM PEAK STAGE			8.13	May 27	9.23	Jun 22, 1949
INSTANTANEOUS LOW FLOW			184	Oct 4	155	Sep 21, 1956
ANNUAL RUNOFF (AC-FT)	357,600		696,800		541,400	
10 PERCENT EXCEEDS	924		2,570		1,460	
50 PERCENT EXCEEDS	397		537		470	
90 PERCENT EXCEEDS	191		228		238	

e Estimated

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 2004 to September 2005.

WATER TEMPERATURE: October 2004 to September 2005.

INSTRUMENTATION.--Hourly specific conductance and thermistor data logged since October 2004.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 328 microsiemens, Sept. 30, 2005; minimum, 122 microsiemens, June 6, 11, 2005.

WATER TEMPERATURE: Maximum, 22.4 °C, July 18, 19, 2005; minimum 0.0 °C, Dec. 24, 2005.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 328 microsiemens, Sept. 30; minimum, 122 microsiemens, June 6, 11.

WATER TEMPERATURE: Maximum, 21.1 °C, July 18, 19; minimum, 0.0 °C Dec. 24.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
NOV 17...	1300	610	--	610	8.4	89	8.4	188	16.0	8.0	68	20.0	4.33
FEB 22...	1215	595	3.0	612	10.2	105	8.4	215	13.5	7.0	73	22.1	4.39
APR 25...	1400	1,920	29	615	8.8	97	7.3	146	8.0	10.0	55	16.6	3.15
AUG 16...	1300	476	6.7	616	8.4	117	8.5	273	24.0	21.0	94	28.1	5.80

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
NOV 17...	2.46	.7	13.0	71	85	--	3.85	.4	25.6	19.6	132	136	.13
FEB 22...	2.48	.7	13.6	76	91	--	4.60	.4	23.7	23.0	140	--	.12
APR 25...	1.83	.4	6.53	51	61	--	2.61	.2	19.0	13.9	95	100	.20
AUG 16...	2.79	.8	16.8	96	112	2	5.21	.5	24.1	30.0	171	188	.35

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Aluminum, water, fltrd, ug/L (01106)
NOV 17...	.24	<.04	--	.09	<.008	E.01	.023	.059	1.6	<4	--	<14	6
FEB 22...	.23	<.04	E.074	.12	<.008	E.01	.024	.052	--	<1	<1	--	7
APR 25...	.62	<.04	<.100	.12	<.008	.02	.040	.18	3.0	<4	87	<5	15
AUG 16...	.39	<.04	E.034	.07	<.008	E.01	.032	.104	7.9	<35	160	150	22

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Anti-mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)
NOV 17...	<.20	E1	21	<.06	23	<.04	E.4	.073	.6	28	.09	2.9	<.01
FEB 22...	<.20	E2	22	<.06	58	E.03	E.6	.065	.7	23	.08	5.4	--
APR 25...	<.20	E1	20	E.04	12	<.04	E.5	.063	1.4	34	.11	4.8	<.01
AUG 16...	<.20	E1	31	<.06	30	E.03	E.6	.123	1.2	15	<.08	2.6	<.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
NOV 17...	--	4.1	.42	<3	--	<.2	.9	1.16	80	21
FEB 22...	<.01	4.2	.80	<3	<3	<.2	1.7	1.25	68	17
APR 25...	<.01	2.0	.46	<3	<3	<.2	.9	.64	--	108
AUG 16...	<.01	7.3	1.50	<3	<3	<.2	.8	1.62	83	44

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	9.6	8.1	9.1	2.9	0.8	1.6	5.3	3.9	4.4
2	---	---	---	8.9	7.6	8.2	2.7	0.6	1.5	4.8	4.3	4.5
3	---	---	---	8.5	7.1	7.8	2.4	0.8	1.4	5.3	4.5	4.9
4	---	---	---	8.7	7.3	7.9	2.4	0.9	1.7	5.3	4.9	5.1
5	---	---	---	8.7	7.5	8.1	3.7	2.0	3.1	4.9	3.4	4.0
6	---	---	---	8.6	7.2	7.9	4.5	3.5	3.8	3.5	2.5	3.0
7	---	---	---	8.2	6.9	7.6	4.2	3.2	3.6	3.0	1.9	2.5
8	---	---	---	8.7	7.6	8.3	4.0	3.1	3.5	4.1	2.6	3.5
9	---	---	---	9.1	8.5	8.8	4.6	3.5	4.0	5.6	4.1	4.7
10	---	---	---	8.9	8.1	8.5	4.8	3.6	4.2	6.2	5.2	5.6
11	---	---	---	9.1	8.1	8.5	4.7	3.6	4.2	6.1	5.7	6.0
12	---	---	---	8.2	7.3	7.7	4.8	3.6	4.2	5.7	3.3	4.4
13	---	---	---	7.6	6.6	7.2	4.7	3.6	4.2	3.3	1.8	2.4
14	---	---	---	6.8	6.1	6.5	4.1	3.0	3.6	3.4	1.9	2.5
15	---	---	---	6.5	5.8	6.2	3.8	2.5	3.2	3.4	2.4	2.7
16	---	---	---	6.9	5.8	6.3	4.4	3.2	3.7	3.4	2.3	2.8
17	---	---	---	7.6	6.6	7.1	3.8	2.7	3.3	3.8	2.6	3.1
18	---	---	---	7.7	6.7	7.2	3.8	2.6	3.2	4.3	3.1	3.6
19	12.9	11.2	12.0	8.0	7.1	7.5	3.8	2.5	3.1	4.9	3.5	4.1
20	12.9	11.4	12.0	7.4	6.3	6.8	3.7	2.6	3.2	5.3	4.0	4.6
21	12.3	11.3	11.9	7.2	6.2	6.6	3.6	3.2	3.5	5.3	4.4	4.8
22	12.2	11.4	11.7	7.4	6.5	6.9	3.6	2.7	3.1	5.2	4.0	4.6
23	12.2	10.7	11.3	6.9	6.2	6.5	2.7	1.3	1.9	5.3	3.9	4.6
24	11.9	10.2	11.0	6.6	5.6	6.1	1.3	0.0	0.6	5.2	3.9	4.6
25	11.6	10.0	10.8	5.8	4.9	5.3	1.7	0.1	0.8	5.6	4.1	4.8
26	13.4	10.7	11.6	5.3	4.7	5.0	2.7	0.9	1.8	5.2	4.5	4.8
27	13.6	11.5	12.2	5.1	4.3	4.6	3.6	1.9	2.8	5.2	4.5	4.9
28	13.4	11.6	12.2	4.9	4.3	4.6	4.2	2.8	3.2	5.4	4.3	4.8
29	11.9	10.6	11.4	4.4	2.8	3.7	4.5	3.0	4.0	5.5	4.3	4.9
30	11.1	9.7	10.4	2.8	1.2	2.1	5.6	4.5	4.9	5.0	4.1	4.4
31	10.5	9.0	9.8	---	---	---	4.7	3.8	4.3	4.5	3.6	4.1
MONTH	13.6	9.0	11.4	9.6	1.2	6.8	5.6	0.0	3.1	6.2	1.8	4.2

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	302	295	298	250	231	238	245	235	242
2	---	---	---	303	296	300	257	250	254	235	229	232
3	---	---	---	302	296	299	253	239	245	230	225	228
4	---	---	---	305	299	301	255	248	251	226	221	224
5	---	---	---	306	295	303	254	248	251	222	218	220
6	---	---	---	308	286	303	263	252	259	220	218	219
7	---	---	---	298	240	269	263	258	261	231	214	221
8	---	---	---	252	220	234	261	257	259	227	220	223
9	---	---	---	226	214	219	259	255	257	236	227	230
10	---	---	---	222	212	216	255	241	247	240	233	236
11	---	---	---	222	216	219	241	234	238	243	239	242
12	---	---	---	222	217	219	234	226	230	239	227	232
13	---	---	---	221	216	218	230	222	227	236	215	224
14	---	---	---	220	214	218	224	220	222	245	218	229
15	---	---	---	214	208	211	221	213	217	248	230	235
16	---	---	---	212	206	209	218	213	215	238	224	230
17	---	---	---	209	205	207	217	211	215	239	228	234
18	---	---	---	210	206	208	218	213	216	244	237	241
19	286	276	281	210	206	209	222	216	218	247	243	245
20	284	271	279	211	208	210	227	217	222	249	245	248
21	279	266	273	213	210	212	230	222	227	249	242	245
22	272	260	265	214	211	212	229	226	228	243	234	238
23	271	267	268	217	212	214	233	219	225	234	230	232
24	272	267	270	216	214	215	234	230	231	232	225	228
25	273	268	271	214	212	213	241	232	235	229	222	225
26	275	271	272	215	213	214	245	236	239	223	220	222
27	278	273	276	216	213	214	248	243	245	223	220	222
28	283	276	278	222	215	218	251	246	247	226	221	222
29	287	280	283	224	218	222	255	250	252	230	224	227
30	292	286	289	231	218	223	269	252	260	227	223	225
31	297	291	293	---	---	---	261	245	253	223	216	220
MONTH	297	260	277	308	205	234	269	211	238	249	214	230
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	225	217	221	232	228	229	221	216	219	---	---	---
2	225	214	220	236	228	233	218	213	215	---	---	---
3	229	212	221	247	235	241	215	210	212	---	---	---
4	233	216	227	247	238	242	222	211	216	225	223	224
5	238	231	234	242	237	239	228	222	225	224	218	221
6	239	233	236	240	234	238	227	220	223	218	215	216
7	237	232	234	241	234	238	224	220	222	---	---	---
8	234	232	233	247	238	242	227	220	223	---	---	---
9	235	225	230	240	236	237	231	225	228	---	---	---
10	233	224	229	239	233	236	235	213	224	---	---	---
11	234	227	230	238	234	236	217	202	207	---	---	---
12	235	228	232	234	229	232	213	196	203	---	---	---
13	235	217	227	232	228	229	223	210	216	---	---	---
14	229	222	226	229	218	224	252	221	235	---	---	---
15	222	216	218	218	211	213	256	251	254	---	---	---
16	217	214	215	212	205	209	259	251	255	---	---	---
17	215	209	211	208	204	206	263	247	255	---	---	---
18	209	206	207	211	207	209	263	249	255	---	---	---
19	216	208	211	220	211	217	252	238	246	154	148	151
20	224	215	220	220	216	218	244	227	234	150	144	147
21	223	219	221	222	218	220	---	---	---	146	139	141
22	223	221	222	220	214	217	---	---	---	141	136	139
23	225	222	224	220	214	218	---	---	---	145	139	141
24	228	224	225	225	218	222	---	---	---	148	139	142
25	233	225	228	224	220	222	---	---	---	156	148	151
26	242	225	229	226	222	224	---	---	---	156	152	154
27	233	225	227	227	221	224	---	---	---	152	145	148
28	230	227	229	222	219	221	---	---	---	145	139	142
29	---	---	---	222	216	218	---	---	---	141	136	138
30	---	---	---	220	216	219	---	---	---	138	131	135
31	---	---	---	221	219	220	---	---	---	135	129	132
MONTH	242	206	225	247	204	226	263	196	228	225	129	158

08277470 RIO PUEBLO NEAR PENASCO, NM

LOCATION.--Lat 36°10'06", long 105°36'09", in SE ¼ NE ¼ sec.1, T.22 N., R.12 E., Taos County, Hydrologic Unit 13020101, on left bank, downstream side of bridge on private road, 0.5 mi upstream from junction of State Highways 518 and 75, 1.0 mi downstream from Osha Canyon, and 6.0 mi east of Penasco.

DRAINAGE AREA.--101 mi².

PERIOD OF RECORD.--December 1991 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	e7.5	e9.3	e7.6	e10	24	144	246	37	14	13
2	12	e12	e8.7	e8.0	e6.8	e8.5	23	142	221	35	14	16
3	12	e11	e9.5	e9.3	e4.0	e9.2	28	138	195	33	13	18
4	12	e12	e10	e12	e6.0	e8.0	37	145	172	33	19	15
5	16	e13	e10.6	e10.2	11	e10	44	155	151	34	45	14
6	18	e13	e11	e9.0	10	12	40	175	140	31	23	14
7	16	13	e12	e7.8	9.8	12	48	223	132	25	20	15
8	15	14	e11	e9.0	e8.0	12	68	240	127	23	15	23
9	14	15	e10.5	e8.7	e3.5	e11.5	72	263	120	22	13	24
10	e14	15	e10.5	e10	e5.7	15	72	375	114	20	12	17
11	e14	14	e10.7	e13	11	17	59	412	103	19	13	16
12	15	14	e10.6	e14.5	12	20	55	409	119	20	32	14
13	16	e13	e10.5	e8.0	12	23	69	384	96	23	26	14
14	17	e13.5	e9.7	e8.3	e10	20	103	368	89	22	41	13
15	17	14	e9.3	e7.9	e8.4	30	135	328	86	22	27	13
16	16	14	e11	e8.4	13	35	146	331	e82	22	27	13
17	16	14	e8.0	e9.7	13	27	195	424	78	21	24	12
18	16	14	e9.5	e8.4	12	18	241	516	73	e19	24	11
19	16	14	e8.8	e8.5	14	17	248	535	69	23	23	11
20	15	14	e8.2	e9.0	e9.0	16	253	627	66	19	20	11
21	15	14	e9.0	e10.1	e6.0	15	253	631	70	19	17	11
22	16	14	e10	e10	e9.5	17	233	722	73	17	16	11
23	15	14	e5.0	e9.1	13	18	245	725	62	19	16	14
24	15	e12	e4.6	e9.4	13	18	259	690	e59	24	16	12
25	15	e11	e6.0	e10	e10.3	18	214	590	e64	20	15	11
26	16	e11.5	e6.5	e10.2	e8.2	17	188	509	65	23	14	10
27	16	e11	e8.0	e11.5	e7.5	16	177	441	52	21	13	10
28	17	e13	e8.2	e10.5	e7.2	19	170	385	46	19	14	18
29	e15	e11	e9.0	e7.5	---	20	163	334	43	18	15	117
30	e13.5	e8.0	e12	e11	---	19	150	310	39	16	13	75
31	e14	---	e10	e7.5	---	16	---	283	---	15	12	---
TOTAL	467.5	391.0	285.9	295.8	261.5	524.2	4,012	11,954	3,052	714	606	586
MEAN	15.1	13.0	9.22	9.54	9.34	16.9	134	386	102	23.0	19.5	19.5
MAX	18	15	12	14	14	35	259	725	246	37	45	117
MIN	12	8.0	4.6	7.5	3.5	8.0	23	138	39	15	12	10
AC-FT	927	776	567	587	519	1,040	7,960	23,710	6,050	1,420	1,200	1,160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	12.9	13.2	10.4	9.23	10.4	22.1	96.2	254	117	40.2	21.2	15.6
MAX	19.0	24.9	17.2	14.6	16.8	39.3	242	924	608	290	52.4	33.3
(WY)	(1999)	(1999)	(1997)	(1992)	(1992)	(1997)	(1994)	(1994)	(1995)	(1995)	(1998)	(1993)
MIN	6.87	5.50	3.50	4.68	6.27	8.48	21.3	2.74	2.20	4.86	2.90	4.79
(WY)	(2004)	(2004)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1992 - 2005

ANNUAL TOTAL	12,223.8	23,149.9	
ANNUAL MEAN	33.4	63.4	
HIGHEST ANNUAL MEAN			51.0
LOWEST ANNUAL MEAN			124
HIGHEST DAILY MEAN	278	May 8	7.29
LOWEST DAILY MEAN	3.6	Jan 4	1,720
ANNUAL SEVEN-DAY MINIMUM	4.3	Jan 21	0.98
MAXIMUM PEAK FLOW			1.1
MAXIMUM PEAK STAGE			860
INSTANTANEOUS LOW FLOW			May 22
ANNUAL RUNOFF (AC-FT)	24,250	45,920	2,200
10 PERCENT EXCEEDS	112	195	6,000
50 PERCENT EXCEEDS	13	15	0.91
90 PERCENT EXCEEDS	5.1	8.8	36,910

e Estimated

08279000 EMBUDO CREEK AT DIXON, NM

LOCATION.--Lat 36°12'39", long 105°54'47", in NE ¼ SE ¼ sec.19, T.23 N., R.10 E., Rio Arriba County, Hydrologic Unit 13020101, on right bank 750 ft upstream from State Highway 68, 0.5 mi upstream from mouth, 0.5 mi east of Embudo Post Office, and 1.7 mi northwest of Dixon.

DRAINAGE AREA.--305 mi².

PERIOD OF RECORD.--October 1923 to February 1926, October 1926 to September 1955 (annual maximum), water years 1956 to current year. Monthly discharge only for some periods, published in WSP 1312. Figures of daily discharge for July 6-25, 1932, published in WSP 733, and maximum discharges for water years 1931-33, 1935, 1937-38, and 1941 are unreliable and should not be used.

REVISED RECORDS.--WSP 1512: 1931-32, 1941, 1947(M). Also see PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,858.60 ft above NGVD of 1929. Prior to Nov. 30, 1938, at site about 1 mi upstream at different datum. Nov. 30, 1938, to Aug. 1, 1941, at site about 0.9 mi upstream at datum about 59.9 ft higher. Aug. 2, 1941, to Sept. 1, 1971, at site 750 ft downstream at datum 9.10 ft lower. Apr. 1956 to Sept. 21, 1962, crest-stage gage.

REMARKS.--Records good except for those estimated, which are poor. Diversions upstream from station for irrigation of about 6,600 acres, a small part of which are downstream from gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	35	16	45	32	38	55	339	561	e47	16	18
2	21	32	17	40	27	39	65	357	502	e46	15	19
3	19	30	19	39	26	37	76	358	467	e44	15	22
4	18	33	21	43	28	34	93	391	426	e42	15	20
5	28	33	33	38	35	38	112	407	390	e42	35	19
6	36	32	35	37	35	40	104	425	354	e43	37	18
7	34	32	37	31	32	38	117	523	326	e40	e32	21
8	30	31	35	40	32	39	166	529	315	34	e26	23
9	28	31	38	38	27	39	189	532	306	32	e22	26
10	27	34	36	42	31	45	191	596	298	31	18	25
11	26	33	36	50	34	50	163	688	276	30	18	22
12	28	32	37	42	46	57	140	680	307	27	55	21
13	39	32	36	27	59	65	151	639	263	27	74	19
14	38	29	29	24	53	61	212	626	221	26	80	17
15	36	33	30	23	50	43	299	e578	213	23	68	17
16	32	32	37	26	52	49	332	e590	213	21	64	18
17	32	31	24	30	50	e60	489	e704	203	21	57	17
18	33	31	30	31	48	55	549	e674	190	20	49	17
19	31	31	27	31	53	57	567	e645	175	20	44	18
20	29	33	26	32	56	65	534	e654	156	19	42	18
21	28	35	33	31	49	e62	508	e803	152	20	36	16
22	33	33	30	30	46	e62	454	e850	179	21	31	17
23	34	32	19	28	48	e63	452	e940	149	e24	27	21
24	31	32	20	29	46	e63	549	958	130	e27	28	21
25	31	30	22	31	42	e64	531	934	125	e25	23	19
26	35	31	28	30	40	e64	564	861	144	e28	21	18
27	34	28	32	34	39	e65	572	835	126	26	19	16
28	35	33	31	33	38	65	530	787	120	24	19	59
29	37	30	34	30	---	73	463	718	116	23	21	210
30	37	19	117	35	---	67	386	662	e111	21	18	157
31	35	---	53	28	---	58	---	633	---	19	17	---
TOTAL	959	943	1,018	1,048	1,154	1,655	9,613	19,916	7,514	893	1,042	949
MEAN	30.9	31.4	32.8	33.8	41.2	53.4	320	642	250	28.8	33.6	31.6
MAX	39	35	117	50	59	73	572	958	561	47	80	210
MIN	18	19	16	23	26	34	55	339	111	19	15	16
AC-FT	1,900	1,870	2,020	2,080	2,290	3,280	19,070	39,500	14,900	1,770	2,070	1,880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

MEAN	36.9	35.8	31.4	29.0	30.6	46.6	143	312	195	48.8	48.3	39.9
MAX	116	95.5	54.3	42.2	72.7	129	505	1,231	813	204	222	190
(WY)	(1942)	(1942)	(1942)	(1985)	(1932)	(1989)	(1942)	(1941)	(1941)	(1937)	(1991)	(1929)
MIN	3.09	4.18	9.75	12.0	15.0	15.5	13.3	3.50	1.99	0.86	2.18	2.79
(WY)	(1951)	(1951)	(1951)	(1951)	(1951)	(1951)	(1972)	(2002)	(2002)	(1951)	(2002)	(1950)

08279000 EMBUDO CREEK AT DIXON, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1924 - 2005	
ANNUAL TOTAL	21,422.0		46,704			
ANNUAL MEAN	58.5		128		83.4	
HIGHEST ANNUAL MEAN					235	1941
LOWEST ANNUAL MEAN					12.8	1951
HIGHEST DAILY MEAN	469	May 12	958	May 24	2,590	May 14, 1941
LOWEST DAILY MEAN	5.7	Sep 15	15	Aug 2	0.20	Jun 27, 1950
ANNUAL SEVEN-DAY MINIMUM	6.1	Sep 12	17	Sep 15	0.60	Jul 16, 1951
MAXIMUM PEAK FLOW			1,080	May 24	a4,200	Aug 29, 1977
MAXIMUM PEAK STAGE			4.54	May 24	b7.10	Aug 29, 1977
INSTANTANEOUS LOW FLOW			7.7	Feb 3	0.06	Jun 26, 1950
ANNUAL RUNOFF (AC-FT)	42,490		92,640		60,400	
10 PERCENT EXCEEDS	161		494		209	
50 PERCENT EXCEEDS	29		36		35	
90 PERCENT EXCEEDS	11		20		13	

a From rating curve extended above 1,600 ft³/s.

b Maximum gage height, 7.60 ft, Aug. 4, 1967.

c Estimated

RIO GRANDE BASIN

08279500 RIO GRANDE AT EMBUDO, NM

LOCATION.--Lat 36°12'20", long 105°57'51", in SW ¼ SW ¼ sec.23, T.23 N., R.9 E., Rio Arriba County, Hydrologic Unit 13020101, on right bank 0.2 mi downstream from bridge at Embudo, 2.8 mi downstream from Embudo Creek, and at mile 1,643.1.

DRAINAGE AREA.--10,400 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--January 1889 to current year. Monthly discharge only for some periods, published in WSP 1312. Figures of daily discharge for Oct. 4 to Nov. 30, 1896, published in WSP 358, are unreliable and should not be used.

REVISED RECORDS.--WSP 358: 1900-02. WSP 828: drainage area. WSP 878: 1915-16. WSP 1512: 1892-99, 1904, 1916, 1931-32, 1939, 1944-45, 1950. WSP 1712: 1903(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,789.14 ft above NGVD of 1929. Jan. 1 to Feb. 28, 1889, nonrecording gage 1.2 mi upstream at different datum. Mar. 1889 to Dec. 1903, nonrecording gage 1,300 ft upstream at different datum. Sept. 1912 to June 1914, water-stage recorder on downstream end of bridge pier at site 200 ft upstream at present datum.

REMARKS.--Records good. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and 40,000 acres in New Mexico. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	264	321	531	584	597	686	1,550	4,560	2,120	550	259
2	207	265	332	532	561	590	700	1,530	4,140	1,930	501	262
3	206	278	405	541	543	592	695	1,490	3,920	1,800	474	266
4	201	265	404	557	531	587	698	1,550	3,670	1,650	467	262
5	212	360	447	570	537	588	730	1,610	3,520	1,580	469	253
6	233	502	454	556	544	592	771	1,700	3,400	1,530	466	256
7	237	519	448	526	551	580	805	1,820	3,220	1,460	463	269
8	233	540	464	533	575	590	806	1,940	2,900	1,370	443	283
9	229	536	494	519	576	591	883	2,070	2,850	1,280	420	269
10	224	541	512	546	559	597	1,050	2,190	2,880	1,210	410	265
11	223	541	537	568	554	612	1,120	2,380	2,910	1,150	399	258
12	229	545	537	583	566	628	1,110	2,560	2,970	1,090	437	256
13	306	605	540	560	677	661	983	2,630	2,820	1,010	443	247
14	314	637	547	472	639	708	1,040	2,630	2,600	946	451	242
15	301	635	543	456	653	739	1,190	2,490	2,420	884	432	238
16	296	636	550	510	669	760	1,400	2,530	2,360	809	527	238
17	296	630	541	529	703	788	1,840	2,850	2,340	734	542	240
18	315	626	532	517	714	775	2,060	3,240	2,470	739	492	233
19	327	617	520	514	706	767	2,250	3,550	2,530	714	447	234
20	328	623	498	532	696	746	2,360	3,980	2,570	673	404	229
21	324	629	511	544	691	729	2,540	4,430	2,580	655	379	225
22	325	615	503	549	670	706	2,460	4,890	2,680	654	356	226
23	312	610	494	548	661	699	2,390	5,330	2,710	603	336	238
24	296	609	440	552	661	690	2,400	5,710	2,700	587	325	242
25	285	615	458	552	654	675	2,400	6,060	2,710	e620	308	246
26	271	594	440	561	647	687	2,600	6,370	2,760	e620	291	240
27	272	576	425	583	633	687	2,470	6,510	2,710	e640	278	235
28	271	537	423	599	614	684	2,100	6,270	2,610	e650	275	300
29	265	520	438	601	---	687	1,920	5,820	2,550	e640	273	431
30	264	512	584	602	---	674	1,710	5,350	2,410	627	260	445
31	260	---	548	607	---	666	---	5,030	---	599	258	---
TOTAL	8,276	15,982	14,890	16,950	17,369	20,672	46,167	108,060	87,470	31,574	12,576	7,887
MEAN	267	533	480	547	620	667	1,539	3,486	2,916	1,019	406	263
MAX	328	637	584	607	714	788	2,600	6,510	4,560	2,120	550	445
MIN	201	264	321	456	531	580	686	1,490	2,340	587	258	225
AC-FT	16,420	31,700	29,530	33,620	34,450	41,000	91,570	214,300	173,500	62,630	24,940	15,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

	423	547	518	508	575	709	985	2,013	1,920	761	447	382
MEAN	423	547	518	508	575	709	985	2,013	1,920	761	447	382
MAX	1,795	1,611	1,052	799	888	1,290	3,544	7,228	6,837	3,540	1,699	1,178
(WY)	(1942)	(1942)	(1942)	(1942)	(1987)	(1989)	(1942)	(1941)	(1941)	(1995)	(1957)	(1999)
MIN	182	243	269	300	323	286	274	189	180	163	151	171
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1981)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1931 - 2005

ANNUAL TOTAL	197,859	387,873	
ANNUAL MEAN	541	1,063	a816
HIGHEST ANNUAL MEAN			2,077
LOWEST ANNUAL MEAN			301
HIGHEST DAILY MEAN	1,720	May 21	6,510
LOWEST DAILY MEAN	170	Sep 18	201
ANNUAL SEVEN-DAY MINIMUM	173	Sep 12	216
MAXIMUM PEAK FLOW			6,570
MAXIMUM PEAK STAGE			10.15
INSTANTANEOUS LOW FLOW			193
ANNUAL RUNOFF (AC-FT)	392,500	769,300	591,100
10 PERCENT EXCEEDS	1,050	2,620	1,600
50 PERCENT EXCEEDS	433	590	508
90 PERCENT EXCEEDS	210	262	256

a Average discharge for 41 years (water years 1890-1930), 1,238 ft³/s, 896,900 acre-ft/yr.

b A flood of about 14,000 ft³/s occurred between May 20 and June 10, 1905, from a comparison of records for Lobatos and Otowi Bridge. Another major flood occurred Sept. 29 or 30, 1904.

e Estimated

RIO GRANDE BASIN

08284100 RIO CHAMA NEAR LA PUENTE, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1956 - 2005	
ANNUAL TOTAL	86,291		185,257			
ANNUAL MEAN	236		508		349	
HIGHEST ANNUAL MEAN					723	1985
LOWEST ANNUAL MEAN					46.2	2002
HIGHEST DAILY MEAN	2,020	May 5	6,750	May 21	7,720	May 10, 1985
LOWEST DAILY MEAN	14	Sep 18	32	Sep 27	2.4	Aug 25, 2002
ANNUAL SEVEN-DAY MINIMUM	17	Sep 13	39	Sep 22	2.6	Aug 22, 2002
MAXIMUM PEAK FLOW			7,480	May 22	a11,200	May 28, 1979
MAXIMUM PEAK STAGE			6.63	May 22	6.63	May 22, 2005
INSTANTANEOUS LOW FLOW			25	Feb 4	2.4	Aug 25, 2002
ANNUAL RUNOFF (AC-FT)	171,200		367,500		252,700	
10 PERCENT EXCEEDS	791		1,800		1,000	
50 PERCENT EXCEEDS	74		75		79	
90 PERCENT EXCEEDS	26		45		30	

a From rating curve extended above 5,400 ft³/s.

e Estimated

08284100 RIO CHAMA NEAR LA PUENTE, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974, 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUL 06...	1250	180	2.6	594	8.1	109	8.3	164	29.0	17.5	73	22.4	4.05
SEP 28...	1520	34	3.0	591	8.6	123	8.8	278	19.5	20.0	130	38.8	7.71

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Carbonate, wat fltr incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
JUL 06...	2.00	.3	5.04	69	82	--	1.06	E.1	22.2	11.5	109	.24	.19
SEP 28...	2.23	.3	8.95	113	129	4	2.54	.1	19.1	31.1	179	.24	.29

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)
JUL 06...	<.04	E.052	<.06	<.008	.02	.043	.063	4	<.20	E1	42	<.06	9.1
SEP 28...	<.04	E.052	<.06	.012	E.01	.034	.047	E1	E.11	1.6	63	<.06	20

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)
JUL 06...	<.04	<.8	.119	1.1	50	.13	15.5	<.01	.8	1.30	<3	<3	E.1
SEP 28...	.04	.05	.155	1.5	17	E.04	14.2	<.01	1.3	1.49	.19	--	<.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Suspended sedi-ment concentration mg/L (80154)
JUL 06...	1.2	.32	37	16
SEP 28...	2.1	.61	--	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RIO GRANDE BASIN

08284160 AZOTEA TUNNEL AT OUTLET NEAR CHAMA, NM

LOCATION.--Lat 36°51'12", long 106°40'18", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on left bank at south portal, 0.2 mi upstream from Azotea Creek, and 6.2 mi southwest of Chama.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 7,519.87 ft above NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--Records represent regulated diversions from Rio Blanco, Little Navajo River, and Navajo River in San Juan River Basin.

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--35 years, 126 ft³/s, 91,290 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft³/s, May 17, 1978, gage height, 7.85 ft; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,010 ft³/s, Apr. 24; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	38	4.5	0.00	0.00	0.00	15	294	891	615	53	4.5
2	40	25	1.5	0.00	0.00	0.00	33	319	929	503	48	4.0
3	29	20	0.00	0.00	0.00	0.00	67	385	973	485	41	3.5
4	24	29	0.00	0.00	0.00	0.00	93	396	929	428	36	8.6
5	22	28	0.00	0.00	0.00	0.00	107	408	833	379	40	5.5
6	28	26	0.00	0.00	0.00	0.00	169	507	889	351	61	3.0
7	26	22	0.00	0.00	0.00	1.0	309	543	863	324	63	3.0
8	21	22	0.00	0.00	0.00	7.1	443	465	942	300	38	61
9	21	28	0.00	0.00	0.00	20	318	589	891	281	52	289
10	15	28	0.00	0.00	0.00	37	221	811	841	254	80	354
11	13	34	0.00	0.00	0.00	61	181	859	744	279	67	143
12	12	26	0.00	0.00	0.00	82	242	706	732	207	245	79
13	14	22	0.00	0.00	0.00	103	430	657	607	176	104	40
14	15	19	0.00	0.00	0.00	92	669	720	665	171	106	27
15	15	19	0.00	0.00	0.00	67	779	745	836	169	160	22
16	13	16	0.00	0.00	0.00	54	729	935	959	150	175	17
17	11	17	0.00	0.00	0.00	43	803	999	969	150	142	13
18	19	17	0.00	0.00	2.5	37	902	999	961	129	90	11
19	21	18	0.00	0.00	6.0	32	948	1,000	954	125	65	8.6
20	20	23	0.00	0.00	4.5	31	948	887	937	107	50	7.1
21	24	25	0.00	0.00	3.0	27	904	912	955	97	39	6.0
22	32	25	0.00	0.00	2.5	24	893	922	944	97	29	6.0
23	30	20	0.00	0.00	3.5	31	919	963	937	101	22	9.1
24	41	14	0.00	0.00	3.0	28	1,010	832	946	130	22	8.1
25	28	13	0.00	0.00	7.1	25	879	802	884	110	17	5.5
26	38	15	0.00	0.00	8.1	21	776	849	719	222	15	3.0
27	45	6.0	0.00	0.00	6.5	20	696	835	715	118	13	3.0
28	79	9.1	0.00	0.00	0.00	34	566	867	640	93	11	281
29	69	5.6	0.00	0.00	---	38	505	854	600	69	8.6	137
30	53	4.0	0.00	0.00	---	33	438	839	628	59	7.1	161
31	49	---	0.00	0.00	---	24	---	860	---	50	5.5	---
TOTAL	919	613.7	6.00	0.00	46.70	972.10	15,992	22,759	25,313	6,729	1,905.2	1,723.5
MEAN	29.6	20.5	0.19	0.00	1.67	31.4	533	734	844	217	61.5	57.5
MAX	79	38	4.5	0.00	8.1	103	1,010	1,000	973	615	245	354
MIN	11	4.0	0.00	0.00	0.00	0.00	15	294	600	50	5.5	3.0
AC-FT	1,820	1,220	12	0.00	93	1,930	31,720	45,140	50,210	13,350	3,780	3,420
CAL YR	2004	TOTAL 42,791.70	MEAN 117	MAX 751	MIN 0.00	AC-FT 84,880						
WTR YR	2005	TOTAL 76,979.20	MEAN 211	MAX 1,010	MIN 0.00	AC-FT 152,700						

08284200 WILLOW CREEK ABOVE HERON RESERVOIR NEAR LOS OJOS, NM

LOCATION.--Lat 36°44'33", long 106°37'34", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on right bank 200 ft downstream from bridge, 0.2 mi downstream from Iron Spring Creek, 3.3 mi west of Los Ojos, and at mile 9.7.

DRAINAGE AREA.--112 mi².

PERIOD OF RECORD.--October and November 1962 (monthly discharge only), December 1962 to current year. Published as "near Park View" prior to 1976.

GAGE.--Water-stage recorder. Concrete control since June 6, 1963. Datum of gage is 7,196.29 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to Apr. 1, 1971, at site 900 ft downstream at lower datum.

REMARKS.--Records represent inflow to Heron Reservoir and since Nov. 17, 1970, include San Juan River water imported through Azotea tunnel (station 08284160).

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--8 years (water years 1963-70), 10.5 ft³/s, 7,610 acre-ft/yr, prior to completion of Azotea tunnel. 35 years (water years 1971-2005), 138 ft³/s, 99,980 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,610 ft³/s, Mar. 12, 1985, gage height, 6.65 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,030 ft³/s, Apr. 24; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	40	1.0	0.00	0.00	4.0	49	405	855	530	56	3.5
2	43	28	1.0	0.00	0.00	3.0	79	424	871	505	55	3.0
3	31	20	0.00	0.00	0.00	3.0	166	968	916	486	43	3.0
4	26	24	0.00	0.00	0.00	2.5	207	739	884	433	34	8.6
5	20	27	0.00	0.00	0.00	3.0	236	513	798	380	45	7.6
6	24	22	0.00	0.00	0.00	4.5	298	561	842	368	37	3.0
7	22	20	0.00	0.00	0.00	8.1	442	597	879	347	89	3.0
8	20	19	0.00	0.00	0.00	15	588	503	897	326	45	42
9	16	23	0.00	0.00	0.00	27	435	591	904	306	30	221
10	12	26	0.00	0.00	0.00	45	332	798	816	285	114	358
11	9.6	30	0.00	0.00	0.00	68	249	853	720	247	114	182
12	8.6	27	0.00	0.00	0.00	98	387	687	714	219	263	89
13	7.6	22	0.00	0.00	0.00	123	492	635	594	199	127	46
14	6.6	17	0.00	0.00	0.00	101	728	700	632	193	126	29
15	4.5	15	0.00	0.00	0.00	64	885	748	781	189	203	22
16	4.5	15	0.00	0.00	0.00	45	780	896	858	172	183	16
17	4.0	14	0.00	0.00	0.00	51	897	950	916	173	214	12
18	13	16	0.00	0.00	9.1	48	957	950	908	155	108	9.0
19	19	15	0.00	0.00	27	38	1,000	953	908	145	77	7.1
20	20	22	0.00	0.00	17	45	997	863	889	20	58	5.0
21	25	23	0.00	0.00	7.1	47	923	903	901	106	35	4.0
22	32	24	0.00	0.00	11	50	911	902	893	106	323	3.5
23	35	21	0.00	0.00	21	67	914	923	890	103	24	4.0
24	46	16	0.00	0.00	13	70	1,030	804	894	132	22	6.6
25	30	9.6	0.00	0.00	6.5	76	958	774	e838	122	18	4.0
26	40	11	0.00	0.00	6.0	84	922	809	716	209	14	2.5
27	44	9.0	0.00	0.00	5.5	75	776	786	702	139	12	1.5
28	76	2.5	0.00	0.00	4.5	103	626	827	644	111	10	235
29	70	3.0	0.00	0.00	---	118	442	813	565	83	8.1	132
30	54	2.0	0.00	0.00	---	92	510	794	558	67	6.5	171
31	53	---	0.00	0.00	---	59	---	816	---	56	5.0	---
TOTAL	873.4	563.1	2.00	0.00	127.70	1,637.1	18,216	23,485	24,183	6,912	2,498.6	1,633.9
MEAN	28.2	18.8	0.06	0.00	4.56	52.8	607	758	806	223	80.6	54.5
MAX	76	40	1.0	0.00	27	123	1,030	968	916	530	323	358
MIN	4.0	2.0	0.00	0.00	0.00	2.5	49	405	558	20	5.0	1.5
AC-FT	1,730	1,120	4.0	0.00	253	3,250	36,130	46,580	47,970	13,710	4,960	3,240
CAL YR	2004	TOTAL 44,456.80	MEAN 121	MAX 732	MIN 0.00	AC-FT 88,180						
WTR YR	2005	TOTAL 80,131.80	MEAN 220	MAX 1,030	MIN 0.00	AC-FT 158,900						

e Estimated

08284300 HORSE LAKE CREEK ABOVE HERON RESERVOIR, NEAR LOS OJOS, NM

LOCATION.--Lat 36°42'24", long 106°44'42", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on right bank 3.7 mi northwest of Heron Dam, 7.8 mi downstream from Horse Lake, and 9.9 mi west of Los Ojos.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--October and November 1962 (monthly discharge only), December 1962 to current year (seasonal records subsequent to 1973). Published as "near Park View" prior to 1976.

GAGE.--Water-stage recorder. Concrete control since June 10, 1963. Datum of gage is 7,187.01 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to May 1, 2001, datum 1.84 ft higher. Prior to July 1, 1971, at site 1,100 ft upstream at higher datums.

REMARKS.--Records poor. Diversions upstream from station for irrigation of meadows and for off-channel stock tanks.

AVERAGE DISCHARGE.--11 years (water years 1963-73), 1.10 ft³/s, 797 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,960 ft³/s, July 30, 1968, gage height, 4.9 ft, site and datum then in use, from rating curve extended above 37 ft³/s on basis of slope-area measurements at gage heights 3.20 ft and 4.9 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 89 ft³/s, May 17, gage height, 4.79 ft; no flow during most of seasonal operation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00
2	0.00	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00
3	0.00	---	---	---	---	---	---	e1.2	e0.00	e0.00	e0.00	e0.00
4	0.00	---	---	---	---	---	---	e3.2	e0.00	e0.00	e0.00	e0.00
5	0.00	---	---	---	---	---	---	e7.0	e0.00	e0.00	e0.00	0.00
6	0.00	---	---	---	---	---	---	e5.5	e0.00	e0.00	e0.00	0.00
7	---	---	---	---	---	---	---	e3.6	e0.00	e0.00	e0.00	0.00
8	---	---	---	---	---	---	---	e3.7	e0.00	e0.00	e0.00	0.00
9	---	---	---	---	---	---	---	e7.2	e0.00	e0.00	e0.00	0.00
10	---	---	---	---	---	---	---	e14	e0.00	e0.00	e0.00	0.00
11	---	---	---	---	---	---	---	e18	e0.00	e0.00	e0.00	0.00
12	---	---	---	---	---	---	---	e9.9	e0.00	e0.00	e0.00	0.00
13	---	---	---	---	---	---	---	e7.9	e0.00	e0.00	e0.00	0.00
14	---	---	---	---	---	---	---	e14	e0.00	e0.00	e0.00	0.00
15	---	---	---	---	---	---	---	e18	e0.00	e0.00	e0.00	0.00
16	---	---	---	---	---	---	---	e22	e0.00	e0.00	e0.00	0.00
17	---	---	---	---	---	---	---	e44	e0.00	e0.00	e0.00	0.00
18	---	---	---	---	---	---	---	e29	e0.00	e0.00	e0.00	0.00
19	---	---	---	---	---	---	---	e17	e0.00	e0.00	e0.00	0.00
20	---	---	---	---	---	---	---	e15	e0.00	e0.00	e0.00	0.00
21	---	---	---	---	---	---	e0.84	e7.4	e0.00	e0.00	e0.00	0.00
22	---	---	---	---	---	---	e0.00	e3.9	e0.00	e0.00	e0.00	0.00
23	---	---	---	---	---	---	e0.00	e1.4	e0.00	e0.00	e0.00	0.00
24	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00	0.00
25	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00	0.00
26	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00	0.00
27	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00	0.00
28	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00	0.00
29	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00	0.00
30	---	---	---	---	---	---	e0.00	e0.00	e0.00	e0.00	e0.00	0.00
31	---	---	---	---	---	---	---	e0.00	---	e0.00	e0.00	---
TOTAL	---	---	---	---	---	---	---	252.90	0.00	0.00	0.00	0.00
MEAN	---	---	---	---	---	---	---	8.16	0.00	0.00	0.00	0.00
MAX	---	---	---	---	---	---	---	44	0.00	0.00	0.00	0.00
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	---	---	---	---	---	---	---	502	0.00	0.00	0.00	0.00

e Estimated

08284510 HERON RESERVOIR NEAR LOS OJOS, NM

LOCATION.--Lat 36°39'56", long 106°42'13", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, at Heron Dam on Willow Creek, 0.2 mi upstream from Rio Chama, 5.1 mi northeast of El Vado Dam, and 8.7 mi southwest of Los Ojos.

DRAINAGE AREA.--193 mi².

PERIOD OF RECORD.--October 1970 to current year. Published as "near Park View" prior to 1976.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation). Prior to Mar. 24, 1971, nonrecording gage.

REMARKS.--Reservoir is formed by earthfill dam; storage began Oct. 21, 1970. Total capacity 401,300 acre-ft at elevation 7,186.1 ft, low point on crest of uncontrolled spillway, including 1,340 acre-ft of dead storage at elevation 7,003.0 ft, invert of gate sill of outlet tunnel. Reservoir is used for storage of transmountain water from San Juan River Basin and for recreation. Figures given herein represent total storage.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 401,800 acre-ft, July 28, 1982, elevation, 7,186.19 ft; no storage prior to Oct. 21, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 234,080 acre-ft, July 11, elevation, 7,153.39 ft; minimum, 106,900 acre-ft, Mar. 1, elevation, 7,116.40 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(based on survey by Bureau of Reclamation in 1986)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
7,110	91,760	7,130	145,765	7,150	219,630	7,170	312,700	7,190	424,800
7,120	116,315	7,140	180,205	7,160	263,800	7,180	366,200		

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112,660	113,180	112,130	111,000	111,160	106,900	109,270	137,220	181,580	228,990	232,650	227,750
2	112,550	113,240	111,950	110,980	111,110	106,930	109,170	137,700	183,300	229,590	232,650	227,620
3	112,420	113,240	111,820	110,950	111,060	106,980	109,240	139,580	185,170	229,930	232,650	227,060
4	112,290	113,260	111,680	110,980	111,000	107,000	109,400	140,920	187,020	230,750	232,740	226,420
5	112,160	113,370	111,600	110,980	110,930	107,030	109,710	141,570	188,580	231,400	232,390	226,130
6	112,020	113,370	111,400	110,980	110,900	107,080	109,990	142,290	190,300	231,960	231,660	226,080
7	111,970	113,400	111,340	111,000	110,880	107,150	110,640	143,080	192,110	232,560	230,960	226,040
8	112,000	113,400	111,340	111,130	110,880	107,200	111,580	143,670	193,880	233,080	230,620	226,040
9	112,020	113,450	111,340	111,130	110,800	107,360	112,180	144,430	195,670	233,560	230,750	226,640
10	112,050	113,480	111,340	111,190	110,740	107,510	112,580	145,800	197,350	233,990	230,880	227,320
11	112,080	113,500	111,340	111,270	110,800	107,760	112,790	146,980	198,810	234,080	231,140	227,320
12	112,080	113,560	111,340	111,270	111,000	108,070	113,100	148,010	200,230	233,730	231,520	227,660
13	112,130	113,580	111,320	111,270	111,240	108,450	113,820	148,880	201,380	233,560	230,880	227,660
14	112,160	113,610	111,320	111,210	111,340	108,810	114,920	150,010	202,570	233,820	230,700	227,620
15	112,160	113,640	111,290	111,190	111,450	108,990	116,340	151,480	204,170	233,780	231,050	227,580
16	112,160	113,660	111,290	111,160	111,400	109,170	117,590	153,390	205,970	233,340	231,400	227,530
17	112,180	113,690	111,290	111,160	111,060	109,300	118,960	155,250	207,870	233,080	231,700	227,490
18	112,180	113,690	111,270	111,130	110,850	109,400	120,620	157,230	209,730	233,300	231,830	227,450
19	112,240	113,710	111,270	111,110	110,800	109,530	122,300	159,220	211,560	233,470	231,700	227,400
20	112,260	113,770	111,270	111,110	110,560	109,760	123,910	161,100	213,450	233,650	231,010	227,400
21	112,310	113,790	111,240	111,060	110,120	109,890	125,420	163,060	215,100	233,820	230,660	227,400
22	112,370	113,850	111,240	111,030	109,760	109,840	126,940	165,040	217,130	233,730	230,620	227,400
23	112,420	113,870	111,160	111,000	109,400	109,780	128,390	166,860	218,920	233,210	230,620	227,400
24	112,440	113,770	111,110	111,000	109,040	109,710	130,380	168,440	220,760	233,040	230,620	227,360
25	112,520	113,530	111,060	111,000	108,580	109,730	132,010	170,000	222,570	233,260	230,580	227,280
26	112,600	113,320	111,000	111,000	108,090	109,710	133,530	171,570	224,000	233,650	230,150	227,230
27	112,710	113,050	110,950	111,110	107,580	109,660	134,700	173,190	225,360	233,780	229,290	227,230
28	112,870	112,840	110,930	111,130	107,380	109,630	135,610	174,890	226,590	233,950	228,430	227,750
29	112,970	112,600	111,030	111,190	---	109,600	136,300	176,530	227,710	233,780	228,000	228,000
30	113,080	112,390	111,000	111,210	---	109,530	136,850	177,990	228,730	233,040	227,920	228,300
31	113,160	---	111,000	111,210	---	109,400	---	179,760	---	232,650	227,830	---
MAX	113,160	113,870	112,130	111,270	111,450	109,890	136,850	179,760	228,730	234,080	232,740	228,300
MIN	111,970	112,390	110,930	110,950	107,380	106,900	109,170	137,220	181,580	228,990	227,830	226,040
(+)	7,118.82	7,118.53	7,118.00	7,118.08	7,116.59	7,117.38	7,127.14	7,139.88	7,152.15	7,153.06	7,151.94	7,152.05
(++)	+240	-770	-1,390	+210	-3,830	+2,020	+27,450	+42,910	+48,970	+3,920	-4,820	+470
CAL YR	2004	MAX 122,860	MIN 83,210									
WTR YR	2005	MAX 234,080	MIN 106,900									

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

08284520 WILLOW CREEK BELOW HERON DAM, NM

LOCATION.--Lat 36°39'56", long 106°42'13", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, in outlet conduits of Heron Dam, 0.2 mi upstream from Rio Chama, 5.1 mi northeast of El Vado Dam, and 8.7 mi southwest of Los Ojos.

DRAINAGE AREA.--193 mi².

PERIOD OF RECORD.--January 1971 to current year.

GAGE.--Totalizing flowmeters in each of two outlet conduits in Heron Dam.

REMARKS.--Flow regulated by Heron Reservoir (station 08284510). Outlet conduits are 14 in. and 120 in. in diameter.

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--34 years, 131 ft³/s, 94,910 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,780 ft³/s, Dec. 18 and 19, 1982; no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 400 ft³/s, many days; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	0.00	120	30	29	110	120	200	0.00	250	0.00	0.00
2	80	0.00	76	30	40	0.00	120	200	0.00	400	0.00	100
3	80	0.00	50	30	40	0.00	120	200	0.00	167	0.00	258
4	80	0.00	50	30	40	0.00	120	200	0.00	0.00	0.00	300
5	80	0.00	50	30	40	0.00	120	200	0.00	0.00	233	125
6	80	0.00	50	30	40	0.00	120	200	0.00	0.00	400	0.00
7	37	0.00	22	30	40	0.00	120	200	0.00	0.00	400	0.00
8	0.00	0.00	0.00	30	40	0.00	120	200	0.00	0.00	167	0.00
9	0.00	0.00	0.00	30	40	0.00	120	200	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	30	40	0.00	120	200	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	30	40	0.00	120	200	0.00	225	0.00	0.00
12	0.00	0.00	0.00	30	40	0.00	120	200	0.00	400	208	0.00
13	0.00	0.00	0.00	30	40	0.00	120	200	0.00	175	400	0.00
14	0.00	0.00	0.00	30	40	0.00	169	142	0.00	0.00	192	0.00
15	0.00	0.00	0.00	30	40	0.00	200	0.00	0.00	217	0.00	0.00
16	0.00	0.00	0.00	30	150	0.00	200	0.00	0.00	400	0.00	0.00
17	0.00	0.00	0.00	30	270	0.00	200	0.00	0.00	183	0.00	0.00
18	0.00	0.00	0.00	30	270	0.00	200	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	30	270	0.00	200	0.00	0.00	0.00	175	0.00
20	0.00	0.00	0.00	30	270	0.00	200	0.00	0.00	0.00	350	0.00
21	0.00	0.00	0.00	30	270	75	200	0.00	0.00	0.00	175	0.00
22	0.00	0.00	0.00	30	270	120	200	0.00	0.00	197	0.00	0.00
23	0.00	0.00	19	30	270	120	200	0.00	0.00	350	0.00	0.00
24	0.00	70	30	30	270	120	200	0.00	0.00	153	0.00	0.00
25	0.00	120	30	30	270	120	200	0.00	0.00	0.00	0.00	0.00
26	0.00	120	30	13	270	120	200	0.00	0.00	0.00	233	0.00
27	0.00	120	30	0.00	270	120	200	0.00	0.00	0.00	400	0.00
28	0.00	120	30	0.00	270	120	200	0.00	0.00	0.00	400	0.00
29	0.00	120	30	0.00	---	120	200	0.00	0.00	225	167	0.00
30	0.00	120	30	0.00	---	120	200	0.00	0.00	400	0.00	0.00
31	0.00	---	30	0.00	---	120	---	0.00	---	175	0.00	---
TOTAL	517.00	790.00	677.00	763.00	3,979	1,385.00	4,929	2,742.00	0.00	3,917.00	3,900.00	783.00
MEAN	16.7	26.3	21.8	24.6	142	44.7	164	88.5	0.00	126	126	26.1
MAX	80	120	120	30	270	120	200	200	0.00	400	400	300
MIN	0.00	0.00	0.00	0.00	29	0.00	120	0.00	0.00	0.00	0.00	0.00
AC-FT	1,030	1,570	1,340	1,510	7,890	2,750	9,780	5,440	0.00	7,770	7,740	1,550
CAL YR	2004	TOTAL 47,559.00	MEAN 130	MAX 470	MIN 0.00	AC-FT 94,330						
WTR YR	2005	TOTAL 24,382.00	MEAN 66.8	MAX 400	MIN 0.00	AC-FT 48,360						

08285000 EL VADO RESERVOIR NEAR TIERRA AMARILLA, NM

LOCATION.--Lat 36°35'39", long 106°44'00", Rio Arriba County, Hydrologic Unit 13020102, Tierra Amarilla Grant, at outlet tower of dam on Rio Chama, at village of El Vado, 12.4 mi southwest of Tierra Amarilla, and at mile 77.7.

DRAINAGE AREA.--873 mi², of which about 100 mi² probably is noncontributing.

PERIOD OF RECORD.--January 1935 to September 1965 (month end contents only), October 1965 to current year. Prior to October 1967, contents at about 0730 hours.

GAGE.--Water-stage recorder. Prior to Oct. 1967, nonrecording gage only below gage height 6,879.3 ft. Datum of gage is 8.21 ft above NGVD of 1929.

REMARKS.--Reservoir is formed by rockfill dam, steel faced. Storage began in Jan. 1935. Capacity 186,250 acre-ft, from capacity table of 1987 between gage heights 6,759.0 ft and 6,902.0 ft, top of spillway gate. Dead storage, 1,480 acre-ft below 6,775.0 ft, sill of outlet works. Figures given herein represent total contents. Reservoir is used to impound water for irrigation by Middle Rio Grande Conservancy District and, since Dec. 1972, to store contract water from San Juan-Chama Project. Rehabilitation of outlet works, completed in Dec. 1966, increased valve-controlled release from about 1,750 ft³/s to about 6,000 ft³/s.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 204,900 acre-ft, of which 7,400 acre-ft was uncontrolled storage, Sept. 29, 2000, gage height, 6,826.08 ft; no storage at times prior to Dec. 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 157,930 acre-ft, July 7, gage height, 6,892.85 ft; minimum, 25,670 acre-ft, Jan. 6 and 7, gage height, 6,820.05 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)
(based on survey by Bureau of Reclamation in 1987)

Gage height	Contents	Gage height	Contents	Gage height	Contents	Gage height	Contents	Gage height	Contents
6,820	25,620	6,830	42,400	6,850	63,730	6,885	135,900	6,901	183,040
6,825	30,720	6,840	48,980	6,865	89,870	6,895	164,400		
6,830	36,330	6,845	56,100	6,875	111,000	6,900	179,800		

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37,280	37,020	36,320	25,810	26,250	29,060	33,740	33,040	118,790	157,080	152,500	135,410
2	37,030	36,960	36,130	25,760	26,210	28,770	34,060	33,310	122,570	157,280	151,690	134,140
3	36,970	36,930	35,900	25,720	26,160	28,640	34,520	34,100	125,020	157,400	150,540	132,930
4	36,990	36,950	35,690	25,710	26,110	28,620	35,090	34,420	127,560	157,610	149,290	132,410
5	37,030	36,970	35,540	25,690	26,080	28,620	35,720	33,290	129,760	157,750	148,490	131,600
6	37,160	37,010	35,220	25,670	26,060	28,620	35,930	32,780	131,760	157,810	148,350	130,640
7	37,260	37,030	34,770	25,670	26,050	28,640	35,960	32,940	133,620	157,930	148,210	129,660
8	37,270	37,080	34,340	25,700	26,030	28,670	36,470	33,100	135,380	157,430	147,920	128,890
9	37,290	37,100	33,690	25,710	25,960	28,770	36,880	33,880	137,030	156,660	147,050	128,250
10	37,300	37,140	33,160	25,760	25,930	28,880	36,470	35,360	138,540	156,310	146,120	127,710
11	37,320	37,160	32,630	25,920	25,930	28,950	35,450	36,400	139,910	156,720	145,280	127,100
12	37,320	37,200	32,110	25,940	26,020	29,130	34,440	36,270	141,410	157,430	145,170	126,460
13	37,340	37,210	31,580	25,940	26,270	29,340	33,740	35,480	141,960	157,780	145,200	125,780
14	37,350	37,230	30,990	25,910	26,420	29,560	33,710	34,880	143,610	157,780	144,590	124,950
15	37,360	37,240	30,330	25,880	26,510	29,730	34,260	33,840	144,780	157,490	144,500	124,690
16	37,380	37,260	29,740	25,880	26,560	29,800	34,170	33,960	145,980	157,400	144,590	124,340
17	37,390	37,270	29,080	25,880	26,550	29,930	34,230	35,610	147,130	157,250	144,610	123,240
18	37,410	37,270	28,480	25,880	26,730	30,000	34,740	37,410	148,180	157,370	144,590	122,150
19	37,450	37,240	27,830	25,890	27,220	30,060	35,860	38,640	149,140	157,340	144,450	120,050
20	37,470	37,230	27,150	25,890	27,510	30,200	36,390	41,820	150,030	157,280	144,280	119,030
21	37,500	37,210	26,290	25,890	27,700	30,270	35,970	48,260	150,860	157,140	144,220	117,960
22	37,530	37,210	25,820	25,890	27,870	30,530	34,980	57,430	151,780	156,930	143,840	116,930
23	37,550	37,200	25,680	25,890	28,130	30,790	34,230	66,790	152,640	156,660	143,280	115,930
24	37,550	37,140	25,720	25,890	28,400	31,070	34,830	75,580	153,430	156,660	142,570	114,890
25	37,560	37,010	25,760	25,910	28,520	31,440	33,930	83,790	154,120	156,520	141,550	113,850
26	37,560	36,920	25,840	25,960	28,760	31,760	32,980	90,720	154,940	156,140	141,200	112,760
27	37,560	36,770	25,890	26,060	28,940	32,090	32,310	97,410	155,580	155,610	140,670	111,730
28	37,540	36,700	25,850	26,110	29,110	32,430	31,840	102,590	156,110	154,970	140,300	110,860
29	37,480	36,610	25,840	26,160	---	32,830	32,090	106,820	156,550	154,300	139,370	110,240
30	37,330	36,490	25,840	26,200	---	33,190	32,630	110,820	156,840	153,740	138,350	110,130
31	37,130	---	25,820	26,230	---	33,470	---	115,240	---	153,250	136,900	---
MAX	37,560	37,270	36,320	26,230	29,110	33,470	36,880	115,240	156,840	157,930	152,500	135,410
MIN	36,970	36,490	25,680	25,670	25,930	28,620	31,840	32,780	118,790	153,250	136,900	110,130
(+)	6,830.63	6,830.14	6,820.21	6,820.63	6,823.47	6,827.50	6,826.75	6,876.80	6,892.48	6,891.25	6,885.38	6,874.60
(++)	-230	-640	-10,670	+410	+2,880	+4,360	-840	+82,610	+41,600	-3,590	-16,350	-26,770
CAL YR	2004	MAX 118,790	MIN 25,680									
WTR YR	2005	MAX 157,930	MIN 25,670									

(+)Gage height, in feet, at end of month.

(++)Change in contents, in acre-feet.

08285500 RIO CHAMA BELOW EL VADO DAM, NM

LOCATION.--Lat 36°34'48", long 106°43'26", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on left bank 1.5 mi downstream from El Vado Dam, 2.8 mi upstream from Rio Nutrias, 13 mi southwest of Tierra Amarilla, and at mile 76.2.

DRAINAGE AREA.--877 mi², of which about 100 mi² probably is noncontributing.

PERIOD OF RECORD.--October 1913 to November 1915, April to November 1916, March and April 1920, September 1920 to August 1924, October 1935 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Chama River" prior to 1935, as "near Tierra Amarilla" 1913-14 and 1935-47, as "near El Vado" 1915-16, and as "at El Vado" 1920-24.

REVISED RECORDS.--WSP 1312: 1914, 1949. WSP 1392: 1949. WDR-NM-90: 1989.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,696.12 ft above NGVD of 1929. Prior to Oct. 1935, at site 1.5 mi upstream at different datum. Oct. 1935 to Sept. 1938, at site 1.1 mi upstream at datum 30.34 ft higher.

REMARKS.--Records good. Flow regulated by El Vado Reservoir (station 08285000) since 1935. Flow affected by release of transmountain water from Heron Reservoir (station 08284510) since May 1971. Diversions for irrigation of about 10,600 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 4 or 5, 1911, was greater than floods in Sept. 1904 and May 1920, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	149	205	100	82	235	101	1,030	100	338	365	762
2	204	104	208	100	108	227	101	1,200	100	534	473	722
3	204	89	206	e100	108	e230	101	1,410	101	299	620	719
4	150	67	204	e104	108	110	101	1,970	102	82	683	719
5	99	67	203	e100	108	99	102	2,390	103	84	600	635
6	96	67	263	e90	108	99	357	2,210	103	88	536	573
7	68	68	302	e80	108	99	596	2,060	103	87	536	513
8	48	68	308	e83	108	98	539	1,910	103	339	357	417
9	48	67	311	e82	108	98	533	1,910	103	531	419	375
10	48	67	311	e76	108	98	858	2,310	102	279	534	375
11	49	67	311	75	109	98	1,030	3,000	102	84	534	374
12	49	67	310	74	112	98	1,020	3,340	102	86	535	373
13	49	68	309	74	111	98	1,020	3,610	103	89	534	372
14	48	67	336	74	111	99	1,090	3,740	103	88	533	436
15	48	68	355	74	111	100	1,240	3,750	103	357	282	478
16	48	67	355	75	266	100	1,540	3,750	103	532	89	512
17	48	72	355	76	400	99	1,690	3,760	103	261	88	554
18	48	78	355	75	322	99	1,810	4,030	103	83	88	553
19	48	78	355	76	286	100	1,890	4,290	104	81	328	553
20	48	78	378	76	285	100	2,400	3,760	104	82	533	554
21	56	78	419	76	284	100	2,950	1,840	106	82	286	554
22	76	78	341	76	284	100	3,080	610	106	350	214	551
23	89	78	118	76	262	100	3,070	299	104	522	320	555
24	88	148	34	76	250	100	3,080	180	103	252	427	552
25	89	208	34	78	250	100	3,080	162	104	132	524	548
26	103	207	34	66	250	100	2,950	150	105	243	642	547
27	128	207	44	57	250	100	2,450	151	104	303	727	548
28	153	207	84	59	250	101	1,920	403	105	350	621	551
29	181	206	100	59	---	101	1,300	545	104	557	538	334
30	195	204	101	60	---	101	1,030	284	103	682	667	119
31	194	---	100	60	---	101	---	99	---	447	762	---
TOTAL	3,004	3,144	7,349	2,407	5,247	3,488	43,029	60,153	3,094	8,324	14,395	15,428
MEAN	96.9	105	237	77.6	187	113	1,434	1,940	103	269	464	514
MAX	204	208	419	104	400	235	3,080	4,290	106	682	762	762
MIN	48	67	34	57	82	98	101	99	100	81	88	119
AC-FT	5,960	6,240	14,580	4,770	10,410	6,920	85,350	119,300	6,140	16,510	28,550	30,600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	217	179	267	155	167	280	801	1,541	816	437	394	337
MAX	640	646	1,272	435	522	962	1,887	3,412	2,342	1,092	729	1,010
(WY)	(1998)	(1987)	(1976)	(1987)	(1986)	(1985)	(1986)	(1985)	(1995)	(2003)	(2003)	(1998)
MIN	36.7	43.9	51.8	23.9	17.1	27.8	33.2	262	103	126	54.4	50.6
(WY)	(1979)	(1977)	(2003)	(1978)	(1976)	(1973)	(1973)	(1972)	(2005)	(1985)	(1971)	(1972)

08285500 RIO CHAMA BELOW EL VADO DAM, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	128,276		169,062			
ANNUAL MEAN	350		463		a467	
HIGHEST ANNUAL MEAN					754	
LOWEST ANNUAL MEAN					194	
HIGHEST DAILY MEAN	2,110	May 13	4,290	May 19	b5,790	May 21, 1973
LOWEST DAILY MEAN	34	Dec 24	34	Dec 24	11	Oct 1, 1972
ANNUAL SEVEN-DAY MINIMUM	48	Oct 14	48	Oct 14	15	Jan 25, 2003
MAXIMUM PEAK FLOW			4,390	May 20		
MAXIMUM PEAK STAGE			5.96	May 20		
INSTANTANEOUS LOW FLOW			32	Dec 26		
ANNUAL RUNOFF (AC-FT)	254,400		335,300		338,500	
10 PERCENT EXCEEDS	653		1,050		1,070	
50 PERCENT EXCEEDS	228		149		223	
90 PERCENT EXCEEDS	77		68		52	

- a Average discharge for 5 years (water years 1914-15, 1921-23), 448 ft³/s, 324,600 acre-ft/yr, prior to completion of El Vado Dam. 35 years (water years 1936-70), 373 ft³/s, 270,200 acre-ft/yr, prior to release of transmountain water.
- b Maximum discharge 9,000 ft³/s, May 22, 1920, gage height, 12 ft, site and datum then in use, from rating curve extended above 3,500 ft³/s; no flow Mar. 25, 26, 31, 1955. Maximum discharge since construction of El Vado Dam in 1935, 6,610 ft³/s, May 7, 1985, gage height, 7.08 ft.
- e Estimated

08286500 RIO CHAMA ABOVE ABIQUIU RESERVOIR, NM

LOCATION.--Lat 36°19'07", long 106°35'50", Rio Arriba County, Hydrologic Unit 13020102, on left bank 40 ft downstream from site of former bridge, 7.7 mi downstream from Rio Gallina, 9.0 mi northwest of Youngsville, 15.6 mi upstream from Abiquiu Dam, 30.3 mi downstream from El Vado Dam, and at mile 47.4.

DRAINAGE AREA.--1,600 mi², of which about 100 mi² probably is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1961 to current year.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map. Aug. 1961 to Oct. 1998, water-stage recorder at present site at datum 3.00 ft higher.

REMARKS.--Records good. Flow regulated by El Vado Reservoir (station 08285000). Since May 1971, flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions for irrigation of about 15,000 acres upstream from station. Specific conductance and water temperature were recorded during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods probably occurred on Sept. 29, 1904, Oct. 4 or 5, 1911, and May 22, 1920.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	199	211	102	68	254	98	1,060	212	139	332	719
2	204	120	211	101	96	232	97	1,170	198	506	429	699
3	205	109	210	102	110	232	97	1,510	190	477	540	681
4	204	78	213	108	109	120	99	1,880	182	129	637	678
5	111	69	210	104	110	98	103	2,350	176	99	646	651
6	96	68	217	85	110	97	143	2,260	166	100	524	557
7	93	67	297	81	111	95	549	2,070	156	101	518	536
8	65	69	299	84	114	94	518	2,010	147	124	468	450
9	51	67	308	82	110	94	513	1,900	140	497	308	376
10	50	65	308	91	110	95	666	2,150	137	470	516	373
11	50	65	308	118	111	94	983	2,730	136	120	569	372
12	52	65	308	92	170	94	978	3,210	136	103	1,020	371
13	52	65	309	82	189	94	978	3,360	132	102	546	370
14	59	65	315	80	136	98	1,020	3,620	131	101	528	386
15	50	65	349	82	121	103	1,190	3,640	128	145	481	462
16	49	65	351	83	134	98	1,440	3,610	126	501	154	466
17	49	65	352	81	411	96	1,700	3,600	124	456	120	531
18	49	71	355	80	378	97	1,760	3,780	123	115	108	538
19	48	76	355	80	377	97	1,870	4,150	122	98	124	541
20	48	77	355	80	332	103	e2,330	4,060	121	96	493	543
21	48	77	408	80	316	116	e2,810	2,380	121	96	460	542
22	58	77	412	80	316	105	2,940	1,090	121	130	121	542
23	77	76	233	79	318	99	2,950	647	119	487	317	540
24	87	76	78	79	271	98	2,960	426	118	458	342	538
25	87	193	69	80	262	99	3,010	398	118	117	488	537
26	89	212	68	79	259	103	2,980	354	121	209	524	537
27	111	212	67	71	258	108	2,690	335	120	265	674	538
28	137	214	70	67	257	99	2,090	401	119	354	650	546
29	169	215	102	65	---	100	1,570	648	118	417	519	499
30	199	211	137	68	---	100	1,080	573	116	632	558	234
31	200	---	105	66	---	98	---	238	---	568	701	---
TOTAL	3,055	3,153	7,590	2,612	5,664	3,510	42,212	61,610	4,174	8,212	14,415	15,353
MEAN	98.5	105	245	84.3	202	113	1,407	1,987	139	265	465	512
MAX	208	215	412	118	411	254	3,010	4,150	212	632	1,020	719
MIN	48	65	67	65	68	94	97	238	116	96	108	234
AC-FT	6,060	6,250	15,050	5,180	11,230	6,960	83,730	122,200	8,280	16,290	28,590	30,450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	227	184	272	161	189	319	851	1,637	855	445	411	344
MAX	737	676	1,273	431	495	1,050	1,985	3,741	2,619	1,054	784	1,036
(WY)	(1998)	(1987)	(1976)	(1987)	(1987)	(1985)	(1985)	(1984)	(1995)	(2003)	(1998)	(1998)
MIN	40.1	48.4	47.1	29.1	12.1	44.1	106	259	139	132	86.1	77.9
(WY)	(1979)	(1977)	(2003)	(1978)	(2003)	(1977)	(1977)	(1972)	(2005)	(1985)	(1979)	(1972)

08286500 RIO CHAMA ABOVE ABIQUIU RESERVOIR, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	130,211		171,560			
ANNUAL MEAN	356		470		a493	
HIGHEST ANNUAL MEAN					823 1980	
LOWEST ANNUAL MEAN					204 1972	
HIGHEST DAILY MEAN	2,040	May 9	4,150	May 19	6,480	May 18, 1984
LOWEST DAILY MEAN	48	Oct 19	48	Oct 19	5.0	Feb 8, 2003
ANNUAL SEVEN-DAY MINIMUM	49	Oct 15	49	Oct 15	7.3	Feb 4, 2003
MAXIMUM PEAK FLOW			4,410	May 20	6,680	May 8, 1985
MAXIMUM PEAK STAGE			9.96	May 20	9.96	May 20, 2005
INSTANTANEOUS LOW FLOW			39	Dec 27	5.0	Feb 8, 2003
ANNUAL RUNOFF (AC-FT)	258,300		340,300		357,000	
10 PERCENT EXCEEDS	656		1,080		1,110	
50 PERCENT EXCEEDS	239		170		232	
90 PERCENT EXCEEDS	76		70		64	

a Average discharge for 9 years (water years 1962-70), 358 ft³/s, 259,400 acre-ft/yr, prior to release of transmountain water.

e Estimated

08286500 RIO CHAMA ABOVE ABIQUIU RESERVOIR, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1969 to December 1974, April 2003 to current year.

WATER TEMPERATURE: October 1962 to December 1974, April 2003 to current year.

INSTRUMENTATION.--Hourly specific conductance and thermistor data logged since March 2003.

REMARKS.--Daily values from October 1969 to December 1974 furnished by the U.S. Army Corps of Engineers, Albuquerque District. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 2,200 microsiemens, Sept. 9, 2003; minimum, 81 microsiemens, Sept. 26, 2005.

WATER TEMPERATURE: Maximum daily, 32.0 °C, Aug. 19, 1964; minimum, freezing point many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,300 microsiemens, Aug. 11; minimum daily, 81 microsiemens, Sept. 26.

WATER TEMPERATURE: Maximum, 26.0 °C, July 21; minimum, freezing point many days during winter months.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.3	10.8	13.1	8.2	5.5	6.8	---	---	---	4.0	0.0	1.7
2	17.1	11.8	14.1	8.9	3.8	6.3	---	---	---	2.6	0.2	1.6
3	15.4	11.6	13.4	8.2	2.9	5.6	---	---	---	3.8	1.4	2.5
4	16.0	10.9	13.4	8.7	2.7	5.7	---	---	---	4.8	2.5	3.5
5	14.4	11.8	13.1	7.5	3.0	5.4	2.6	0.1	1.4	3.1	1.0	1.9
6	15.4	10.9	13.1	6.6	3.1	4.9	3.5	1.0	2.2	2.6	0.2	1.3
7	16.8	10.2	13.5	6.9	2.7	5.1	4.1	2.1	2.9	2.9	0.0	1.3
8	16.7	10.2	13.5	10.0	5.5	7.8	2.8	1.9	2.3	2.4	0.2	1.5
9	16.5	10.5	13.5	8.9	6.9	7.8	5.8	2.3	3.9	4.2	1.5	2.8
10	---	---	---	10.5	5.8	8.0	5.2	2.3	3.6	6.4	2.6	4.5
11	---	---	---	9.9	6.8	8.2	5.1	1.9	3.2	5.6	3.2	4.3
12	16.0	9.9	12.7	7.0	5.1	5.8	5.2	1.8	3.2	4.0	1.2	2.1
13	12.8	7.9	10.3	5.8	4.6	5.1	4.7	1.8	3.0	3.4	0.0	1.6
14	12.1	5.9	8.8	5.7	3.5	4.6	4.2	1.1	2.4	2.5	0.0	0.9
15	12.8	7.1	9.8	6.1	4.1	5.0	3.8	1.1	2.2	2.5	0.0	0.6
16	12.6	7.5	10.1	7.5	3.1	5.4	4.9	1.7	2.9	2.5	0.0	0.8
17	11.4	9.2	10.1	9.2	5.2	6.9	3.4	1.2	2.2	3.3	0.0	1.2
18	10.2	8.2	9.3	8.4	4.2	6.5	4.0	1.2	2.4	3.3	0.0	1.5
19	13.7	7.8	10.4	8.7	4.7	6.7	3.7	1.0	2.1	5.2	0.0	2.6
20	13.7	7.9	10.8	6.0	3.7	5.0	3.1	0.5	1.6	5.6	0.5	3.3
21	---	---	---	5.4	3.6	4.5	2.5	1.0	1.8	6.2	1.2	3.8
22	10.2	7.2	8.7	6.9	3.8	5.3	2.0	0.2	1.4	6.4	1.3	3.9
23	11.2	5.6	8.4	6.1	4.4	5.2	---	---	---	6.1	0.8	3.6
24	10.9	5.1	8.2	6.4	3.1	4.7	---	---	---	5.6	0.7	3.5
25	10.4	5.7	8.4	6.0	2.5	4.2	---	---	---	6.0	2.6	4.1
26	13.0	7.9	10.3	4.9	2.9	3.8	---	---	---	4.0	1.7	3.1
27	13.0	9.4	11.1	3.8	1.8	2.8	---	---	---	4.3	3.0	3.6
28	13.6	8.9	11.0	4.2	2.6	3.3	---	---	---	3.7	2.5	3.1
29	11.3	8.3	9.6	3.0	1.1	2.2	1.6	0.0	0.7	5.5	1.8	3.6
30	9.8	5.7	7.7	3.2	0.0	1.2	2.6	0.3	1.3	3.9	2.2	3.1
31	9.6	5.5	7.5	---	---	---	1.6	0.0	0.6	6.0	1.9	3.6
MONTH	17.1	5.1	10.9	10.5	0.0	5.3	5.8	0.0	2.3	6.4	0.0	2.6

08286500 RIO CHAMA ABOVE ABIQUIU RESERVOIR, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	294	279	288	298	292	294	306	294	300	491	391	412
2	289	283	285	313	298	305	309	294	302	437	393	406
3	287	281	285	330	312	325	311	294	303	411	397	404
4	286	282	283	347	324	337	310	294	303	445	408	418
5	308	284	302	357	339	345	301	293	296	420	399	408
6	348	308	330	376	357	372	299	297	298	404	396	401
7	335	327	331	374	369	371	298	288	292	417	401	408
8	358	332	343	370	366	368	290	288	289	420	409	415
9	372	357	361	370	364	367	290	287	288	416	406	411
10	---	---	---	369	364	367	290	288	289	450	411	431
11	---	---	---	378	369	374	291	288	290	597	449	478
12	504	410	425	378	374	376	293	290	292	492	466	478
13	504	414	441	375	373	374	297	293	295	552	466	503
14	473	413	432	376	374	375	308	296	299	519	442	467
15	487	419	439	375	374	374	304	292	296	476	432	457
16	425	422	424	375	373	374	298	291	296	478	423	453
17	425	419	423	374	372	373	304	291	298	485	425	451
18	420	418	419	374	371	373	301	296	299	478	434	454
19	420	416	419	371	362	369	307	295	301	477	436	451
20	420	416	418	362	354	357	309	295	302	479	437	453
21	---	---	---	359	355	357	307	290	297	472	435	452
22	415	404	409	361	358	360	305	292	298	476	434	451
23	413	384	400	363	358	360	333	305	313	472	434	449
24	384	340	360	362	358	359	378	333	359	474	434	448
25	341	332	337	359	294	332	422	378	404	473	438	451
26	339	334	336	294	291	293	460	422	448	465	436	449
27	347	334	340	296	293	294	522	450	483	463	437	453
28	334	309	321	295	291	293	559	503	533	497	456	476
29	309	298	303	296	292	294	503	384	461	516	473	490
30	298	295	296	300	295	297	547	353	416	527	485	500
31	295	291	293	---	---	---	562	385	437	533	501	515
MONTH	504	279	359	378	291	347	562	287	335	597	391	448
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	614	498	532	416	394	406	464	408	429	187	184	185
2	536	478	507	419	390	405	433	413	421	189	181	185
3	518	437	470	420	380	401	421	412	416	221	186	200
4	452	431	439	436	409	418	445	413	421	235	177	204
5	463	427	436	457	436	450	446	416	428	187	178	183
6	466	431	444	465	450	459	441	402	430	189	183	185
7	446	425	436	468	455	461	402	326	340	188	181	185
8	440	418	428	459	448	455	333	324	328	185	180	182
9	460	420	432	475	427	447	335	328	331	184	175	182
10	448	423	434	465	416	444	333	320	329	177	171	175
11	441	423	429	450	413	429	320	311	315	---	---	---
12	535	423	457	448	420	432	312	303	305	---	---	---
13	509	461	476	451	426	435	306	303	304	---	---	---
14	605	499	559	453	412	432	309	305	307	---	---	---
15	549	503	532	443	401	424	330	306	311	---	---	---
16	530	489	501	500	413	437	311	299	304	---	---	---
17	506	408	439	453	420	436	301	288	296	---	---	---
18	422	401	407	477	420	438	288	262	277	134	126	129
19	521	415	464	450	419	433	262	235	248	126	117	120
20	536	472	508	439	413	422	235	224	230	131	115	119
21	498	453	468	556	426	473	241	222	228	139	120	126
22	473	438	449	470	432	456	225	201	216	183	139	157
23	480	438	452	445	428	434	202	179	190	203	181	194
24	493	452	471	436	424	431	182	165	172	248	199	232
25	454	437	444	435	419	427	198	176	190	243	229	234
26	441	425	432	443	424	431	189	168	180	245	226	237
27	438	412	423	520	431	459	173	166	170	238	228	233
28	426	401	414	445	432	440	174	165	170	228	192	221
29	---	---	---	446	425	435	194	174	180	192	149	155
30	---	---	---	450	432	439	195	187	192	165	150	153
31	---	---	---	454	416	435	---	---	---	244	165	206
MONTH	614	401	460	556	380	436	464	165	289	248	115	183

08286900 ABIQUIU RESERVOIR NEAR ABIQUIU, NM

LOCATION.--Lat 36 14'24", long 106 25'46". Rio Arriba County, Hydrologic Unit 13020102, in Piedra Lumbre Grant, in operations building at Abiquiu Dam on Rio Chama, 6.6 mi northwest of Abiquiu, and at mile 32.1.

DRAINAGE AREA.--2,146 mi², of which about 100 mi² probably is noncontributing.

PERIOD OF RECORD.--February 1963 to September 1965 (month end contents only), October 1965 to current year. October 1969 to December 1975, contents at 0800 hours.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by earthfill dam, completed Feb. 5, 1963. Capacity, 1,198,500 acre-ft between elevations 6,060 ft, invert of outlet tunnel, and 6,350 ft, crest of spillway, based on capacity table from 1990 survey. No dead storage. Reservoir is used for flood control and, since Mar. 1976, for recreation. A desilting pool of about 2,000 acre-ft was maintained from May 1968 to 1974, when it was increased to 4,000 acre-ft and continued until Dec. 1975. U.S. Army Corps of Engineers satellite telemetry at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 382,720 acre-ft, June 11, 1985, elevation, 6,256.22 ft; no storage at times prior to May 1968 and Jan. 11 to Mar. 25, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 193,410 acre-ft, May 21, elevation, 6,222.32 ft; minimum, 111,150 acre-ft, Sept. 28, elevation, 6,199.81 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(based on survey by U.S. Army Corps of Engineers in 1997)

Elevation	Contents	Elevation	Contents
6,180	57,260	6,200	111,760
6,190	81,920	6,220	183,880

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114,700	114,280	113,800	112,330	111,790	112,300	112,110	141,780	173,470	116,210	115,050	113,930
2	114,630	114,310	113,670	112,430	111,850	112,300	112,110	141,710	170,910	116,960	114,630	114,280
3	114,630	114,340	113,610	112,550	111,950	112,270	112,080	142,460	168,400	117,510	114,370	114,760
4	114,630	114,280	113,540	112,710	112,040	112,200	112,040	143,750	165,770	117,540	114,370	115,240
5	114,700	114,250	113,480	112,780	112,110	112,170	112,040	145,690	163,200	117,570	114,340	115,500
6	114,730	114,250	113,350	112,780	112,170	112,110	112,230	147,460	160,760	117,510	114,180	115,370
7	114,760	114,220	113,260	112,680	112,300	111,980	112,810	148,740	157,900	117,380	114,370	115,370
8	114,760	114,180	113,190	112,550	112,430	111,980	113,130	149,900	155,160	117,730	114,570	115,470
9	114,730	114,150	113,130	112,430	112,490	112,040	113,260	151,660	152,720	118,190	114,370	115,370
10	114,700	114,120	112,940	112,300	112,550	112,080	113,380	152,840	150,100	118,680	114,180	115,270
11	114,700	114,120	112,810	112,270	112,710	112,080	113,700	155,600	147,320	118,750	114,370	115,110
12	114,700	114,090	112,650	112,140	112,940	112,080	113,770	159,310	144,680	118,750	114,790	114,860
13	114,600	114,020	112,490	111,920	113,130	112,080	113,640	162,790	141,890	118,720	115,150	114,540
14	114,600	113,960	112,430	111,820	113,290	112,230	113,380	166,380	138,940	118,650	115,760	114,090
15	114,600	113,890	112,330	111,850	113,380	112,300	113,670	170,090	136,360	118,350	116,470	113,740
16	114,570	113,890	112,200	111,850	113,640	112,200	114,280	174,720	133,800	118,750	116,660	113,320
17	114,540	113,890	112,080	111,880	114,180	112,140	114,920	178,500	131,440	119,110	116,560	113,130
18	114,470	113,930	111,920	111,920	114,570	112,170	115,790	182,720	129,120	118,680	116,500	112,970
19	114,410	113,960	111,790	111,920	114,860	112,200	116,730	187,370	126,640	118,000	116,310	112,740
20	114,370	113,960	111,730	111,950	115,110	112,230	118,190	191,740	124,590	117,310	116,760	112,400
21	114,340	113,990	111,760	111,920	115,400	112,200	120,460	193,410	122,830	116,600	116,860	112,040
22	114,340	114,060	111,980	111,850	115,630	112,200	126,230	192,870	121,360	115,850	115,980	111,980
23	114,340	114,120	112,080	111,820	115,600	112,110	128,500	191,410	120,130	115,790	115,310	111,820
24	114,370	114,220	112,080	111,760	115,180	112,080	130,260	189,510	119,210	115,820	114,660	111,730
25	114,410	114,250	112,080	111,730	114,370	112,110	133,700	187,540	118,450	115,150	114,470	111,540
26	114,440	114,180	112,080	111,660	113,670	112,110	136,920	185,460	117,670	114,630	114,370	111,380
27	114,470	114,090	111,950	111,630	112,970	112,140	139,400	183,400	117,180	114,310	114,630	111,180
28	114,500	114,060	111,950	111,690	112,520	112,140	141,210	181,440	116,890	114,280	114,730	111,150
29	114,090	113,930	112,040	111,760	---	112,140	142,070	179,920	116,560	114,310	114,370	112,110
30	114,150	113,890	112,140	111,820	---	112,140	142,350	178,300	116,440	115,110	113,890	112,300
31	114,220	---	112,230	111,820	---	112,140	---	175,940	---	115,340	113,770	---
MAX	114,760	114,340	113,800	112,780	115,630	112,300	142,350	193,410	173,470	119,110	116,860	115,500
MIN	114,090	113,890	111,730	111,630	111,790	111,980	112,040	141,710	116,440	114,280	113,770	111,150
(+)	6,200.77	6,200.67	6,200.15	6,200.02	6,200.24	6,200.12	6,209.01	6,218.00	6,201.46	6,201.12	6,200.63	6,200.17
(++)	-570	-330	-1,660	-410	+700	-380	+30,210	+33,590	-59,500	-1,100	-1,570	-1,470
CAL YR	2004	MAX 136,610	MIN 73,350	(++) +39,300								
WTR YR	2005	MAX 193,410	MIN 111,150	(++) -2,490								

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

08287000 RIO CHAMA BELOW ABIQUIU DAM, NM

LOCATION.--Lat 36°14'13", long 106°24'60", in SE ¼ SE ¼ sec.8, T.23 N., R.5 E., Rio Arriba County, Hydrologic Unit 13020102, on right bank 0.8 mi downstream from Abiquiu Dam, 5.9 mi northwest of Abiquiu, and at mile 31.3.

DRAINAGE AREA.--2,147 mi², of which about 100 mi² probably is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1961 to current year (monthly discharge only, October 1961).

REVISED RECORDS.--WDR-NM-90: 1989.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Jan. 25, 1966. Elevation of gage is 6,040 ft above NGVD of 1929, from topographic map. Prior to Jan. 25, 1966, at datum 1.60 ft lower.

REMARKS.--Records good except for those estimated, which are fair. Flow regulated by El Vado Reservoir (station 08285000), 46.4 mi upstream, and Abiquiu Reservoir (station 08286900), 0.8 mi upstream since Feb. 1963. Since May 1971, flow affected by release of transmountain water from Heron Reservoir (station 08284510) 54.5 mi upstream. Diversions for irrigation of about 17,600 acres upstream from station. Specific conductance and water temperature are recorded during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	255	143	237	77	e85	338	115	1,660	1,690	127	500	670
2	223	110	237	77	e84	255	116	1,720	1,680	119	609	502
3	197	89	237	77	e83	230	115	1,420	1,680	119	695	447
4	187	89	237	78	77	179	116	1,570	1,680	120	718	438
5	116	82	238	78	77	136	116	1,700	1,690	120	717	567
6	66	73	290	78	77	136	141	1,700	1,700	107	588	624
7	52	73	326	e82	78	136	240	1,690	1,700	92	399	559
8	47	73	326	e116	78	110	488	1,690	1,680	91	332	401
9	47	73	326	e150	82	89	638	1,700	1,670	90	452	398
10	44	77	375	e185	77	89	635	1,690	1,680	89	606	396
11	43	77	410	e184	77	89	754	1,450	1,680	89	692	400
12	47	77	409	173	78	90	1,080	1,320	1,670	89	590	461
13	86	77	e411	172	78	90	1,270	1,580	1,670	89	358	503
14	69	77	e410	123	77	90	1,470	1,700	1,620	111	199	582
15	45	71	e410	82	77	117	1,640	1,710	1,420	191	122	637
16	44	67	410	82	72	148	1,650	1,620	1,420	229	114	639
17	44	56	411	82	93	122	1,640	1,510	1,420	260	112	610
18	44	56	410	82	139	97	1,710	1,510	1,410	355	111	589
19	43	56	410	82	244	97	1,860	1,590	1,400	397	150	634
20	41	56	382	82	246	98	1,910	1,710	1,200	396	254	708
21	40	56	359	107	263	131	1,910	1,690	1,050	404	443	717
22	44	56	295	124	236	145	1,840	1,700	855	430	536	636
23	45	56	134	123	332	144	1,700	1,700	718	469	634	598
24	44	94	77	124	517	121	1,340	1,690	580	470	631	597
25	45	120	77	e130	617	104	1,370	1,690	495	471	574	594
26	78	190	77	129	617	104	1,710	1,710	496	426	545	593
27	99	238	77	124	618	104	1,710	1,700	351	388	560	631
28	127	238	77	98	495	104	1,630	1,680	239	326	615	582
29	140	238	77	80	---	105	1,360	1,670	242	281	687	151
30	142	238	77	80	---	105	1,130	1,670	185	279	784	83
31	142	---	77	e87	---	108	---	1,680	---	370	789	---
TOTAL	2,686	3,076	8,306	3,348	5,674	4,011	33,404	50,820	36,971	7,594	15,116	15,947
MEAN	86.6	103	268	108	203	129	1,113	1,639	1,232	245	488	532
MAX	255	238	411	185	618	338	1,910	1,720	1,700	471	789	717
MIN	40	56	77	77	72	89	115	1,320	185	89	111	83
AC-FT	5,330	6,100	16,470	6,640	11,250	7,960	66,260	100,800	73,330	15,060	29,980	31,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	291	259	270	165	215	372	819	1,174	1,040	650	510	452
MAX	1,261	1,181	1,308	860	1,708	1,668	1,894	2,055	2,418	1,488	1,135	1,199
(WY)	(1988)	(1980)	(1976)	(1986)	(1987)	(1987)	(1985)	(1983)	(1984)	(1973)	(2000)	(1987)
MIN	44.9	42.2	43.8	35.7	27.1	50.6	111	170	184	201	98.4	64.4
(WY)	(1979)	(2002)	(2002)	(1978)	(2002)	(2001)	(1977)	(2001)	(1976)	(1972)	(1979)	(1972)

RIO GRANDE BASIN

08287000 RIO CHAMA BELOW ABIQUITO DAM, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	111,673		186,953			
ANNUAL MEAN	305		512		a519	
HIGHEST ANNUAL MEAN					872	1987
LOWEST ANNUAL MEAN					213	1972
HIGHEST DAILY MEAN	1,730	May 15	1,910	Apr 20	2,660	May 15, 1985
LOWEST DAILY MEAN	27	Jan 13	40	Oct 21	10	Sep 19, 1972
ANNUAL SEVEN-DAY MINIMUM	29	Jan 1	43	Oct 16	21	Sep 30, 1972
ANNUAL RUNOFF (AC-FT)	221,500		370,800		376,000	
10 PERCENT EXCEEDS	655		1,680		1,490	
50 PERCENT EXCEEDS	210		238		299	
90 PERCENT EXCEEDS	44		77		52	

a Average discharge for 9 years (water years 1962-70), 384 ft³/s, 278,200 acre-ft/yr, prior to release of transmountain water.

e Estimated

08287000 RIO CHAMA BELOW ABIQUIU DAM, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1969 to December 1974, March 2004 to current year.

WATER TEMPERATURE: October 1969 to December 1974, March 2004 to current year.

INSTRUMENTATION.--Hourly specific conductance and thermistor data logged since March 2004.

REMARKS.--Daily values from October 1969 to December 1974 furnished by the U.S. Army Corps of Engineers, Albuquerque District. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,220 microsiemens, July 24, 1970; minimum daily, 184 microsiemens, May 2005.

WATER TEMPERATURE: Maximum daily, 28.0 °C, June 16, 1964; minimum, freezing point many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 355 microsiemens, Feb. 7; minimum, 184 microsiemens, May 26, 27.

WATER TEMPERATURE: Maximum, 18.0 °C, Aug. 18; minimum, 3.1 °C, Jan. 29.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.0	16.1	16.4	12.6	11.7	12.1	7.8	7.1	7.4	5.1	4.0	4.3
2	16.9	16.2	16.4	12.7	11.2	11.8	7.4	6.7	7.0	4.4	3.9	4.1
3	17.0	16.1	16.3	12.5	11.0	11.4	7.2	6.5	6.7	4.6	4.1	4.3
4	16.8	15.8	16.2	12.2	10.9	11.3	6.8	6.4	6.5	4.9	3.9	4.3
5	16.3	15.4	15.7	11.9	10.5	11.0	6.8	6.4	6.6	4.4	3.7	3.9
6	17.5	14.9	15.8	11.4	10.3	10.7	6.7	6.4	6.5	4.2	3.5	3.8
7	17.3	14.8	15.7	11.8	10.1	10.7	6.6	6.2	6.4	---	---	---
8	17.3	14.7	15.6	11.7	10.5	10.8	6.3	6.0	6.2	---	---	---
9	17.2	14.7	15.5	10.9	10.2	10.5	6.2	6.0	6.1	---	---	---
10	---	---	---	11.7	10.2	10.7	6.2	5.7	5.9	---	---	---
11	---	---	---	11.3	10.2	10.6	6.1	5.7	5.8	5.5	4.0	4.2
12	16.9	14.5	15.3	10.7	10.2	10.4	6.0	5.6	5.8	4.0	3.5	3.7
13	15.3	14.7	14.9	10.6	9.9	10.1	5.9	5.6	5.7	4.0	3.3	3.6
14	16.4	14.2	15.1	10.6	9.7	10	5.8	5.5	5.6	4.5	3.4	3.6
15	16.0	13.8	14.5	10.3	9.6	9.8	5.7	5.4	5.5	4.6	3.2	3.7
16	16.1	13.8	14.4	10.7	9.5	9.8	5.7	5.3	5.5	4.7	3.5	3.8
17	15.8	13.9	14.5	10.8	9.4	9.8	5.6	5.3	5.4	4.8	3.5	3.9
18	15.0	13.7	14.2	10.6	9.2	9.6	5.6	5.3	5.3	4.7	3.5	3.9
19	15.7	13.7	14.3	10.7	9.1	9.6	5.6	5.2	5.3	4.9	3.6	4.0
20	15.8	13.4	14.2	9.7	9.0	9.2	5.4	5.1	5.3	5.0	3.5	4.0
21	14.3	13.5	13.8	10.1	9.0	9.3	5.3	5.0	5.2	4.6	3.5	3.9
22	14.1	12.7	13.2	10.3	9.0	9.3	5.1	4.8	4.9	4.6	3.6	3.9
23	14.9	12.7	13.4	9.7	8.9	9.1	5.2	4.2	4.6	4.6	3.6	3.9
24	14.6	12.3	13.1	9.7	8.7	9.0	5.0	3.9	4.3	4.6	3.5	3.9
25	14.1	12.2	13.0	9.5	8.7	8.9	5.0	3.9	4.2	---	---	---
26	14.2	12.9	13.3	8.9	8.7	8.8	5.0	3.9	4.2	---	---	---
27	13.9	13.0	13.2	8.9	8.3	8.6	4.7	3.9	4.2	4.3	3.8	4.0
28	13.9	12.7	13.1	8.6	8.2	8.3	4.8	3.8	4.1	4.3	3.7	3.9
29	13.2	12.6	12.8	8.3	7.8	8.0	5.2	4.0	4.3	5.0	3.1	4.0
30	13.3	12.3	12.6	8.1	7.5	7.8	4.9	4.0	4.3	4.6	3.4	4.0
31	13.2	12.0	12.4	---	---	---	4.7	3.9	4.1	---	---	---
MONTH	17.5	12.0	14.4	12.7	7.5	9.9	7.8	3.8	5.4	5.5	3.1	3.9

08287000 RIO CHAMA BELOW ABIQUIU DAM, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	302	299	301	311	308	310	311	309	310	319	315	317
2	306	301	303	313	309	311	312	309	311	318	316	317
3	307	304	305	313	310	312	312	309	311	319	316	318
4	309	305	307	313	310	312	312	310	311	319	317	318
5	317	308	313	316	309	312	312	309	311	320	317	318
6	326	315	320	317	313	315	312	310	310	319	313	317
7	327	319	323	316	312	315	311	309	310	---	---	---
8	325	322	324	317	313	315	312	309	310	---	---	---
9	326	323	324	317	313	315	311	310	310	---	---	---
10	---	---	---	315	309	312	312	310	311	---	---	---
11	---	---	---	314	311	313	312	310	311	318	305	310
12	329	325	327	315	311	313	311	309	310	308	305	307
13	329	317	323	314	312	313	311	309	310	310	307	308
14	327	316	321	315	311	313	311	310	310	316	308	312
15	326	321	324	334	313	314	311	309	310	316	313	315
16	326	323	325	316	311	314	311	310	311	316	313	314
17	327	324	325	318	314	316	311	309	310	315	313	314
18	327	323	325	318	314	317	312	309	310	316	313	314
19	327	322	324	318	314	317	311	310	310	316	313	315
20	327	324	326	319	317	318	311	309	311	316	313	315
21	328	325	326	318	314	317	312	310	311	316	312	314
22	328	323	326	318	314	317	314	310	312	314	311	313
23	325	321	323	319	316	317	319	311	315	---	---	---
24	326	321	324	319	311	315	320	316	318	---	---	---
25	326	322	324	313	311	312	319	316	318	---	---	---
26	325	316	321	314	309	311	319	316	318	---	---	---
27	319	317	318	311	308	310	319	317	318	---	---	---
28	321	315	318	311	309	310	320	317	319	---	---	---
29	321	310	312	311	309	310	321	318	319	---	---	---
30	311	309	310	312	309	310	320	317	318	---	---	---
31	311	309	310	---	---	---	319	317	318	---	---	---
MONTH	329	299	319	334	308	314	321	309	313	320	305	314
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	344	331	339	337	333	335	304	298	300
2	---	---	---	338	329	334	339	335	337	301	287	293
3	---	---	---	335	330	333	339	336	338	287	270	277
4	---	---	---	334	328	331	339	337	338	276	261	269
5	---	---	---	334	331	332	339	334	336	268	260	263
6	---	---	---	332	328	330	338	334	336	261	240	254
7	---	---	---	333	327	329	336	334	335	268	243	254
8	---	---	---	337	327	331	339	334	336	263	240	249
9	---	---	---	339	329	335	339	337	338	253	242	247
10	---	---	---	340	331	335	338	336	337	246	238	243
11	---	---	---	339	334	336	338	335	337	254	236	243
12	---	---	---	337	330	334	340	336	338	253	238	245
13	---	---	---	335	331	333	342	338	340	253	246	250
14	321	317	319	334	331	332	342	339	340	257	246	250
15	320	317	319	333	328	330	340	338	339	254	243	248
16	335	318	322	330	327	329	344	338	341	252	244	247
17	321	316	319	333	328	331	341	338	340	252	239	246
18	321	315	318	333	330	332	345	338	341	256	243	248
19	322	315	316	333	330	332	346	343	345	249	243	246
20	319	314	316	333	330	332	347	341	345	248	232	237
21	319	314	316	333	329	331	344	329	339	238	223	231
22	320	316	318	334	330	331	342	336	340	232	214	221
23	318	315	317	334	330	332	341	339	340	222	200	212
24	337	315	322	335	331	334	339	333	336	216	197	203
25	350	333	344	336	332	334	338	321	332	202	190	195
26	350	337	345	336	333	335	333	324	329	200	184	193
27	355	335	348	337	333	335	328	316	322	205	184	193
28	343	333	339	337	334	336	324	317	320	196	188	193
29	---	---	---	337	334	336	318	311	315	198	188	191
30	---	---	---	338	334	336	312	299	304	200	188	194
31	---	---	---	338	334	336	---	---	---	200	192	195
MONTH	355	314	325	344	327	333	347	299	335	304	184	236

08289000 RIO OJO CALIENTE AT LA MADERA, NM

LOCATION.--Lat 36°20'59", long 106°02'37", in NW ¼ NE ¼ sec.1, T.24 N., R.8 E., Rio Arriba County, Hydrologic Unit 13020102, on left bank 400 ft upstream from bridge on State Highway 554, 2.4 mi south of La Madera, 2.6 mi downstream from confluence of Rio Vallecitos and Rio Tusas, 3.1 mi north of Ojo Caliente, and at mile 19.9.

DRAINAGE AREA.--419 mi².

PERIOD OF RECORD.--April 1932 to current year.

REVISED RECORDS.--WSP 1712: 1959.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,358.84 ft above NGVD of 1929. Prior to Apr. 23, 1934, at site about 2.6 mi upstream at different datum. Apr. 23, 1934, to Apr. 21, 1936, at datum 12.58 ft lower, and Apr. 22, 1936, to Oct. 26, 1956, at datum 13.84 ft lower, both at site 1,400 ft downstream.

REMARKS.--Records fair except for those estimated, which are poor. Diversions upstream from station for irrigation of about 3,500 acres (1962 determination). Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Apr. 21, 1958, may have been exceeded by a flood in May 1920, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	16	12	17	18	24	41	304	171	8.6	e4.3	e4.9
2	5.7	15	13	16	17	21	45	335	151	7.5	e4.3	e4.6
3	5.8	13	14	17	14	22	50	419	133	7.4	e4.0	e4.6
4	5.8	13	14	21	16	20	65	580	121	7.4	e3.9	e4.6
5	5.5	14	17	19	20	23	75	534	97	7.8	e3.8	e4.6
6	5.5	14	17	17	20	23	79	516	80	8.0	e3.8	e4.6
7	6.4	15	18	15	20	22	91	574	71	7.7	e3.7	e5.6
8	7.4	15	17	17	20	23	126	570	63	7.2	e3.5	e8.6
9	7.8	16	18	17	15	24	135	626	51	6.8	e3.5	e6.1
10	6.7	16	18	18	16	27	129	814	48	6.8	e3.2	e5.9
11	8.1	16	18	21	21	30	105	878	47	6.7	e3.3	e5.6
12	9.1	16	18	22	25	33	103	721	49	6.6	e5.8	e5.2
13	11	16	18	15	32	38	142	666	50	6.9	e5.8	e5.0
14	11	16	16	15	34	41	253	706	40	6.6	e5.7	e4.5
15	10	15	16	15	31	37	375	752	37	6.4	e5.5	e4.4
16	10	16	19	15	34	28	396	791	34	6.1	e5.5	e4.5
17	10	16	15	17	31	36	501	972	29	e5.8	e5.5	e4.4
18	11	16	16	16	29	40	548	909	24	e5.7	e5.7	e4.5
19	10	16	15	17	35	37	648	757	21	e5.6	e5.8	e4.2
20	10	18	15	17	39	37	702	813	16	e5.5	e5.8	e4.1
21	10	19	15	18	30	38	682	757	15	e5.5	e5.8	e4.9
22	12	19	17	18	29	37	575	698	14	e5.5	e5.8	e4.8
23	14	19	12	17	27	39	626	639	12	e5.3	e5.7	e4.5
24	14	18	12	18	27	41	742	573	12	e5.2	e5.6	e4.2
25	14	16	13	19	25	40	488	495	11	e4.9	e5.5	e4.2
26	15	17	14	18	23	41	453	435	11	e4.9	e5.5	e4.9
27	16	16	15	22	22	39	508	399	11	e4.9	e5.3	e4.8
28	17	18	15	20	22	41	410	348	10	e4.9	e5.2	e4.8
29	17	17	16	18	---	46	360	305	9.8	e4.8	e4.9	e5.2
30	16	13	20	21	---	46	337	265	9.5	e4.7	e4.9	e6.3
31	16	---	18	18	---	43	---	210	---	e4.6	e4.9	---
TOTAL	323.3	480	491	551	692	1,037	9,790	18,361	1,448.3	192.3	151.5	149.1
MEAN	10.4	16.0	15.8	17.8	24.7	33.5	326	592	48.3	6.20	4.89	4.97
MAX	17	19	20	22	39	46	742	972	171	8.6	5.8	8.6
MIN	5.5	13	12	15	14	20	41	210	9.5	4.6	3.2	4.1
AC-FT	641	952	974	1,090	1,370	2,060	19,420	36,420	2,870	381	301	296

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2005, BY WATER YEAR (WY)

MEAN	14.5	18.2	17.7	18.5	22.9	58.4	275	316	49.4	9.72	13.8	10.6
MAX	57.5	49.2	36.0	33.5	55.5	211	979	1,256	298	33.1	68.1	29.8
(WY)	(1987)	(1987)	(1987)	(1952)	(1941)	(1995)	(1937)	(1941)	(1995)	(1949)	(1967)	(1936)
MIN	3.98	8.82	11.2	10.0	12.0	15.5	21.0	6.54	5.09	2.64	3.13	2.30
(WY)	(1957)	(1957)	(1957)	(1964)	(1955)	(1981)	(2002)	(2002)	(1954)	(1951)	(1956)	(1956)

08289000 RIO OJO CALIENTE AT LA MADERA, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1933 - 2005	
ANNUAL TOTAL	19,711.5		33,666.5			
ANNUAL MEAN	53.9		92.2		68.9	
HIGHEST ANNUAL MEAN					205	1941
LOWEST ANNUAL MEAN					11.3	2002
HIGHEST DAILY MEAN	438	Apr 9	972	May 17	2,180	Apr 23, 1942
LOWEST DAILY MEAN	4.0	Aug 18	3.2	Aug 10	0.60	Aug 18, 1956
ANNUAL SEVEN-DAY MINIMUM	4.2	Aug 7	3.5	Aug 5	1.1	Oct 1, 1956
MAXIMUM PEAK FLOW			1,570	May 18	3,640	Aug 14, 1994
MAXIMUM PEAK STAGE			6.22	May 18	8.27	Aug 14, 1994
INSTANTANEOUS LOW FLOW			3.2	Aug 9	0.20	Aug 17, 1956
ANNUAL RUNOFF (AC-FT)	39,100		66,780		49,880	
10 PERCENT EXCEEDS	236		403		167	
50 PERCENT EXCEEDS	16		16		17	
90 PERCENT EXCEEDS	4.7		4.9		5.2	

e Estimated

08290000 RIO CHAMA NEAR CHAMITA, NM

LOCATION.--Lat 36°04'22", long 106°06'34", in NE ¼ NE ¼ sec.8, T.21 N., R.8 E., Rio Arriba County, Hydrologic Unit 13020102, in San Juan Pueblo Grant, near left downstream corner of bridge on U.S. Highway 285, 0.5 mi west of Chamita, 2.5 mi northwest of San Juan Pueblo, and at mile 2.8.

DRAINAGE AREA.--3,144 mi², of which about 100 mi² probably is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1912 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Chama River near Chamita" prior to 1928, and "Chama River at Chamita" 1929-30.

REVISED RECORDS.--WSP 1512: 1913-15, 1934, 1936. WSP 1632: 1929(M). WSP 1732: 1931(M). WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Jan. 1, 1964. Datum of gage is 5,653.61 ft above NGVD of 1929. Prior to Oct. 4, 1933, at railroad bridge 2.3 mi downstream at different datums. Oct. 4, 1933, to Mar. 1, 1942, at site 50 ft downstream at datum 0.22 ft higher. Mar. 2, 1942, to Dec. 31, 1963, at site 200 ft downstream, present datum.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Diversions upstream from station for irrigation of about 27,600 acres. Chamita ditch (station 08289500), on left bank, and Hernandez ditch (station 08289800), on right bank, bypass gage for irrigation of several hundred acres downstream from station. Flow regulated by El Vado Reservoir (station 08285000), 74.9 mi upstream, since Jan. 1935 and Abiquiu Reservoir (station 08286900), 29.3 mi upstream, since Feb. 1963. Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510) 83.0 mi upstream. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--The floods of Sept. 29, 1904, and Oct. 4 or 5, 1911, probably exceeded 15,000 ft³/s. Another major flood occurred in 1884, from newspaper accounts.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	160	252	94	110	466	145	1,970	1,970	132	373	701
2	221	159	254	93	108	347	151	2,200	1,950	87	470	407
3	203	115	256	97	104	290	155	2,090	1,940	83	598	383
4	175	104	262	108	103	283	162	2,320	1,920	79	639	300
5	163	104	280	105	108	180	157	2,590	1,890	76	682	392
6	e150	97	297	99	109	177	164	2,600	1,900	72	613	449
7	e90	94	374	99	109	173	226	2,690	1,870	67	419	431
8	91	91	374	173	110	172	441	2,680	1,850	62	277	345
9	89	88	379	197	106	133	712	2,820	1,840	61	286	273
10	86	88	400	201	100	127	749	3,000	1,830	43	429	289
11	87	88	476	201	107	129	785	2,990	e1,850	e57	626	285
12	85	85	477	185	112	131	987	2,400	e1,840	e56	683	299
13	85	85	468	200	117	140	1,270	2,510	e1,820	e55	418	353
14	129	92	411	195	118	145	1,410	2,710	e1,770	e55	253	370
15	100	96	425	118	120	151	1,730	2,770	e1,650	e75	112	438
16	80	88	480	105	121	180	1,770	2,770	1,480	e120	98	436
17	83	85	479	106	117	203	1,910	2,730	1,450	e170	97	438
18	82	80	478	106	134	153	2,050	2,790	1,440	219	70	427
19	78	80	479	105	245	142	2,350	2,650	1,420	316	61	428
20	76	84	e426	105	299	141	2,520	2,800	1,330	343	100	426
21	74	84	e410	106	296	144	2,540	2,690	1,120	333	267	449
22	75	84	360	137	303	185	2,410	2,610	1,050	341	372	454
23	72	84	233	142	300	185	2,210	2,510	842	400	457	431
24	73	84	133	142	499	188	2,270	2,420	776	415	469	420
25	72	106	119	142	671	156	1,820	2,310	586	438	434	379
26	70	122	119	143	693	151	2,210	2,260	617	423	393	376
27	114	241	109	149	708	146	2,330	2,210	550	342	410	394
28	125	252	97	149	662	143	2,210	2,150	254	324	414	456
29	366	261	90	115	---	147	1,920	2,100	238	231	486	315
30	159	253	98	122	---	145	1,660	2,050	221	215	579	147
31	157	---	92	114	---	143	---	2,010	---	227	645	---
TOTAL	3,775	3,534	9,587	4,153	6,689	5,596	41,424	77,400	41,264	5,917	12,230	11,691
MEAN	122	118	309	134	239	181	1,381	2,497	1,375	191	395	390
MAX	366	261	480	201	708	466	2,540	3,000	1,970	438	683	701
MIN	70	80	90	93	100	127	145	1,970	221	43	61	147
AC-FT	7,490	7,010	19,020	8,240	13,270	11,100	82,160	153,500	81,850	11,740	24,260	23,190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	305	285	301	204	256	438	1,057	1,503	1,038	615	490	437
MAX	1,273	1,224	1,291	876	1,677	1,705	2,534	2,741	2,346	1,477	1,114	1,164
(WY)	(1988)	(1980)	(1976)	(1986)	(1987)	(1987)	(1985)	(1983)	(1984)	(1983)	(2000)	(1987)
MIN	37.3	51.4	63.4	63.5	56.1	85.1	120	204	117	170	95.5	83.1
(WY)	(1979)	(2002)	(2003)	(1975)	(2002)	(1977)	(1977)	(1972)	(1976)	(1972)	(1979)	(1974)

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	131,209		223,260			
ANNUAL MEAN	358		612		a578	
HIGHEST ANNUAL MEAN					923 1987	
LOWEST ANNUAL MEAN					234 1972	
HIGHEST DAILY MEAN	1,900	May 14	3,000	May 10	3,570	May 5, 1985
LOWEST DAILY MEAN	50	Aug 7	43	Jul 10	1.2	Sep 16, 1971
ANNUAL SEVEN-DAY MINIMUM	59	Jan 9	56	Jul 8	1.7	Sep 10, 1971
MAXIMUM PEAK FLOW			3,450	May 11	b15,000	May 22, 1920
MAXIMUM PEAK STAGE			6.86	May 11	c11.68	Sep 1, 1994
INSTANTANEOUS LOW FLOW			28	Jul 10	1.2	Sep 16, 1971
ANNUAL RUNOFF (AC-FT)	260,300		442,800		419,000	
10 PERCENT EXCEEDS	686		2,090		1,630	
50 PERCENT EXCEEDS	276		253		324	
90 PERCENT EXCEEDS	71		85		75	

a Average discharge for 58 years (water years 1913-70), 541 ft³/s, 392,000 acre-ft/yr, prior to release of transmountain water.

b From rating curve extended above 2,000 ft³/s.

c From floodmarks of slope-area measurement of peak flow.

e Estimated

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1963 to December 1974, December 2004 to September 2005.

WATER TEMPERATURE: January 1950 to December 1974, December 2004 to September 2005.

INSTRUMENTATION.--Hourly specific conductance and thermistor data logged since December 2004.

REMARKS.--Daily values from October 1950 to December 1974 furnished by the Army Corps of Engineers, Albuquerque District. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,010 microsiemens, July 25, 1970; minimum, 167 microsiemens, May 24, 2005.

WATER TEMPERATURE: Maximum, 36.0 °C, Aug. 19, 1974; minimum, freezing point many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 500 microsiemens, Dec. 26; minimum, 167 microsiemens, May 24.

WATER TEMPERATURE: Maximum, 29.6 °C, July 14; minimum, freezing point many days during winter Dec. and Jan.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC uS/cm (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 18...	1210	80	623	10.2	106	8.5	450	11.0	8.0	170	49.5	10.6	3.05
FEB 17...	1050	104	624	10.6	104	8.2	422	8.0	6.0	160	45.4	10.2	2.92
APR 26...	0950	2,260	619	9.6	103	7.6	308	9.0	9.0	110	34.4	6.47	1.88
AUG 17...	0840	102	624	7.8	100	8.2	374	13.5	17.5	150	48.2	6.55	2.71

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
NOV 18...	1	33.0	145	172	2	12.1	.4	17.4	73.6	287	292	.14	.25
FEB 17...	1	29.4	133	160	2	12.4	.3	18.0	62.9	261	--	.17	.34
APR 26...	.8	19.0	81	98	--	5.14	.2	14.6	57.0	187	197	.24	.57
AUG 17...	.6	16.2	102	122	--	3.95	.2	14.4	75.8	228	251	.34	1.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
NOV 18...	<.04	--	<.06	<.008	<.02	.006	.021	2.7	<1	--	29	<2	E.11
FEB 17...	<.04	<.100	<.06	<.008	<.02	.014	.080	--	190	87	--	E1	E.11
APR 26...	<.04	E.020	E.04	<.008	<.02	.017	.48	4.2	210	<210	<4	4	E.15
AUG 17...	<.04	E.023	.09	E.004	<.02	.029	.57	6.0	<17	1,700	3,800	3	E.13

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover-able, ug/L (71900)
NOV 18...	3	82	<.06	67	<.04	<.8	.183	1.1	<6	<.08	18.7	<.01	--
FEB 17...	3	71	<.06	68	<.04	<.8	.282	1.1	10	<.08	25.6	--	<.01
APR 26...	2	53	E.05	29	<.04	<.8	.096	1.4	7	<.08	3.5	<.01	E.01
AUG 17...	E2	113	<.06	29	<.04	<.8	.196	1.7	E5	<.08	1.3	<.01	.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
NOV 18...	1.7	.36	<3	--	<.2	E.4	4.31	70	42
FEB 17...	1.5	2.58	<3	<3	<.2	E.5	4.29	87	101
APR 26...	1.3	.49	<3	<3	<.2	E.4	1.47	--	1,580
AUG 17...	1.4	2.41	<3	<3	<.2	E.5	1.32	--	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	5.7	1.5	3.6
2	---	---	---	---	---	---	---	---	---	4.0	1.9	2.9
3	---	---	---	---	---	---	---	---	---	5.3	3.2	4.2
4	---	---	---	---	---	---	---	---	---	5.8	4.4	5.1
5	---	---	---	---	---	---	---	---	---	4.4	2.6	3.4
6	---	---	---	---	---	---	---	---	---	3.8	1.2	2.5
7	---	---	---	---	---	---	---	---	---	3.8	0.0	2.0
8	---	---	---	---	---	---	---	---	---	4.5	2.1	3.1
9	---	---	---	---	---	---	---	---	---	6.8	3.5	4.8
10	---	---	---	---	---	---	---	---	---	7.3	4.3	5.8
11	---	---	---	---	---	---	---	---	---	6.8	4.6	5.8
12	---	---	---	---	---	---	---	---	---	4.6	1.9	3.1
13	---	---	---	---	---	---	---	---	---	4.0	0.0	1.9
14	---	---	---	---	---	---	---	---	---	4.8	0.5	2.4
15	---	---	---	---	---	---	---	---	---	4.2	0.0	1.9
16	---	---	---	---	---	---	---	---	---	4.2	0.0	2.1
17	---	---	---	---	---	---	---	---	---	5.5	0.2	2.9
18	---	---	---	---	---	---	---	---	---	5.7	0.7	3.4
19	---	---	---	---	---	---	---	---	---	6.7	1.3	4.1
20	---	---	---	---	---	---	---	---	---	7.1	1.8	4.7
21	---	---	---	---	---	---	---	---	---	7.2	2.6	5.0
22	---	---	---	---	---	---	---	---	---	7.5	2.5	5.0
23	---	---	---	---	---	---	---	---	---	7.3	1.6	4.6
24	---	---	---	---	---	---	---	---	---	7.0	1.5	4.5
25	---	---	---	---	---	---	1.5	0.0	0.3	8.5	2.9	5.6
26	---	---	---	---	---	---	0.9	0.0	0.2	5.8	3.2	4.8
27	---	---	---	---	---	---	1.6	0.0	0.6	5.2	4.5	4.8
28	---	---	---	---	---	---	3.2	0.0	1.4	7.8	3.3	5.3
29	---	---	---	---	---	---	4.3	1.0	2.6	6.7	2.0	4.6
30	---	---	---	---	---	---	6.2	2.9	4.3	4.9	2.8	3.5
31	---	---	---	---	---	---	4.1	1.2	2.9	6.9	2.0	4.3
MONTH	---	---	---	---	---	---	6.2	0.0	1.8	8.5	0.0	3.9

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	484	434	453
2	---	---	---	---	---	---	---	---	---	448	437	443
3	---	---	---	---	---	---	---	---	---	451	432	445
4	---	---	---	---	---	---	---	---	---	443	426	434
5	---	---	---	---	---	---	---	---	---	455	434	446
6	---	---	---	---	---	---	---	---	---	453	442	448
7	---	---	---	---	---	---	---	---	---	467	430	448
8	---	---	---	---	---	---	---	---	---	436	375	404
9	---	---	---	---	---	---	---	---	---	377	373	375
10	---	---	---	---	---	---	---	---	---	378	373	376
11	---	---	---	---	---	---	---	---	---	389	376	379
12	---	---	---	---	---	---	---	---	---	419	375	392
13	---	---	---	---	---	---	---	---	---	384	368	375
14	---	---	---	---	---	---	---	---	---	392	365	376
15	---	---	---	---	---	---	---	---	---	460	372	422
16	---	---	---	---	---	---	---	---	---	481	416	446
17	---	---	---	---	---	---	---	---	---	471	426	447
18	---	---	---	---	---	---	---	---	---	460	428	443
19	---	---	---	---	---	---	---	---	---	457	426	440
20	---	---	---	---	---	---	---	---	---	451	430	439
21	---	---	---	---	---	---	---	---	---	452	431	440
22	---	---	---	---	---	---	---	---	---	438	399	416
23	---	---	---	---	---	---	---	---	---	413	394	401
24	---	---	---	---	---	---	---	---	---	419	391	402
25	---	---	---	---	---	---	488	415	445	438	403	422
26	---	---	---	---	---	---	500	426	459	442	425	433
27	---	---	---	---	---	---	489	429	456	430	409	421
28	---	---	---	---	---	---	488	423	452	434	420	424
29	---	---	---	---	---	---	488	430	453	462	428	450
30	---	---	---	---	---	---	478	431	448	444	429	435
31	---	---	---	---	---	---	483	428	445	453	430	436
MONTH	---	---	---	---	---	---	500	415	451	484	365	423
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	471	436	455	380	365	369	425	404	411	278	265	272
2	469	457	463	380	372	377	430	397	411	276	264	271
3	470	454	463	388	375	382	424	404	411	264	242	252
4	479	448	461	386	376	380	424	402	409	245	223	232
5	484	454	469	421	386	405	410	392	399	233	220	224
6	477	466	471	423	407	414	397	384	391	225	218	221
7	474	464	468	419	410	414	386	367	379	221	202	209
8	478	470	473	421	410	416	370	340	355	219	200	209
9	481	467	473	436	418	426	340	331	335	219	197	205
10	492	460	474	454	436	446	338	329	333	205	194	199
11	489	474	480	457	443	452	340	330	336	200	190	195
12	485	459	466	459	452	455	344	338	341	201	180	190
13	474	463	470	460	457	459	344	336	340	209	190	198
14	463	427	448	459	449	455	337	326	332	210	189	199
15	434	406	421	449	436	441	329	311	318	204	193	198
16	437	407	420	436	428	431	314	304	308	204	187	195
17	432	412	422	430	425	428	313	295	302	203	184	192
18	422	409	417	432	428	430	303	290	296	199	181	192
19	413	355	382	437	432	434	304	289	295	207	179	194
20	390	350	361	439	427	435	---	---	---	208	185	193
21	365	349	356	437	421	429	290	274	281	197	180	189
22	376	351	359	439	401	420	290	268	282	195	179	186
23	386	351	365	412	398	405	291	274	281	193	176	182
24	351	339	345	412	396	403	287	257	269	186	167	178
25	366	338	351	425	404	414	295	256	271	188	171	177
26	370	365	367	424	416	419	302	283	295	182	173	178
27	373	358	364	433	415	423	292	272	277	184	174	179
28	375	362	370	439	417	427	283	272	278	189	178	182
29	---	---	---	439	416	422	283	276	279	186	182	184
30	---	---	---	425	409	414	277	265	268	189	182	186
31	---	---	---	421	407	413	---	---	---	193	185	189
MONTH	492	338	423	460	365	421	430	256	327	278	167	202

08291000 SANTA CRUZ RIVER AT CUNDIYO, NM

LOCATION.--Lat 35°57'53", long 105°54'17", in SE ¼ NW ¼ sec.17, T.20 N., R.10 E., Santa Fe County, Hydrologic Unit 13020101, on left bank 135 ft downstream from bridge on State Highway 503, 200 ft downstream from confluence of Rio En Medio and Rio Frijoles, 0.6 mi northwest of Cundiyo, 1.8 mi upstream from Santa Cruz Dam, and at mile 11.9.

DRAINAGE AREA.--86 mi², approximately.

PERIOD OF RECORD.--July 1931 to current year. Monthly discharge only from some periods, published in WSP 1312. Prior to October 1953, published as "Rio Santa Cruz."

REVISED RECORDS.--WSP 1392: 1931(M), 1932-33, 1934-39(M), 1942, 1943(M).

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Jan. 3, 1954. Elevation of gage is 6,460 ft above NGVD of 1929, from topographic map. July 1, 1931, to Aug. 12, 1932, water-stage recorder at site about 1 mi downstream at different datum. Aug. 13, 1932, to Oct. 29, 1934, water-stage recorder at site 35 ft upstream at datum 0.42 ft higher. Oct. 30, 1934, to Jan. 2, 1954, water-stage recorder at present site at datum 0.64 ft lower.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of about 1,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	e9.5	7.0	e9.7	26	41	68	194	43	17	15
2	9.9	6.5	e10	6.6	e10	25	41	68	181	42	17	19
3	9.5	8.7	e10	6.8	e10	24	53	70	178	39	17	18
4	9.3	11	e11	8.1	e11	24	65	81	166	36	22	17
5	14	10	11	8.1	9.7	24	65	86	149	36	22	17
6	15	11	9.8	8.1	8.0	26	56	94	145	35	23	17
7	12	11	9.0	e10	8.0	27	69	109	141	33	27	20
8	11	11	9.0	8.0	7.8	29	86	100	134	32	20	22
9	10	11	8.6	8.2	9.4	32	82	100	125	30	18	18
10	10	11	e8.1	9.5	11	38	56	108	121	29	19	18
11	10	11	e8.1	12	8.2	46	48	117	111	28	19	16
12	11	10	e8.1	12	52	51	46	117	113	27	36	15
13	12	10	e8.1	e10	50	56	47	114	97	31	52	15
14	12	7.6	e7.6	e11	47	50	55	113	91	28	54	14
15	13	11	e8.5	e10	44	40	68	112	89	29	39	14
16	12	10	8.6	e10	53	43	125	119	85	32	35	14
17	12	10	e7.6	e9.5	47	41	154	144	80	28	30	13
18	12	10	e6.8	e9.0	42	38	126	153	77	34	27	13
19	12	9.8	e6.8	e9.5	58	38	122	150	74	32	25	13
20	11	9.7	e7.2	10	55	44	116	159	72	26	24	12
21	10	10	e7.2	9.6	43	46	103	252	76	26	22	12
22	11	9.9	e8.1	9.8	38	44	94	292	73	29	21	12
23	10	10	e7.2	e10	37	48	95	337	64	25	20	16
24	11	9.1	e8.1	e11	34	45	110	352	60	25	20	14
25	11	5.9	e9.0	10	31	43	107	274	59	25	19	14
26	12	10	e12	10	29	42	109	244	62	25	18	13
27	12	7.9	e8.5	11	28	41	106	244	56	23	17	13
28	12	11	7.4	11	26	50	95	264	53	22	17	17
29	12	7.3	8.1	e10	---	57	82	269	50	21	17	69
30	10	e7.6	11	e10	---	49	72	241	46	20	16	43
31	11	---	e8.5	e9.5	---	42	---	222	---	18	15	---
TOTAL	350.7	291.0	268.5	295.3	816.8	1,229	2,494	5,173	3,022	909	745	543
MEAN	11.3	9.70	8.66	9.53	29.2	39.6	83.1	167	101	29.3	24.0	18.1
MAX	15	12	12	12	58	57	154	352	194	43	54	69
MIN	9.3	5.9	6.8	6.6	7.8	24	41	68	46	18	15	12
AC-FT	696	577	533	586	1,620	2,440	4,950	10,260	5,990	1,800	1,480	1,080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2005, BY WATER YEAR (WY)

MEAN	15.1	12.2	10.3	9.25	10.3	20.2	50.2	97.3	74.9	27.7	25.5	18.9
MAX	61.3	43.4	25.2	19.5	29.2	51.1	205	329	294	115	109	78.6
(WY)	(1942)	(1942)	(1987)	(1987)	(2005)	(1985)	(1942)	(1941)	(1979)	(1986)	(1991)	(1988)
MIN	3.88	4.69	3.82	3.59	4.19	6.97	13.2	7.42	5.55	5.64	4.57	2.47
(WY)	(1957)	(1957)	(1951)	(2003)	(2003)	(1981)	(1951)	(2002)	(2002)	(1956)	(1956)	(1956)

08291000 SANTA CRUZ RIVER AT CUNDIYO, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1933 - 2005	
ANNUAL TOTAL	7,191.9		16,137.3			
ANNUAL MEAN	19.7		44.2		31.1	
HIGHEST ANNUAL MEAN					75.2	1941
LOWEST ANNUAL MEAN					8.93	1950
HIGHEST DAILY MEAN	108	Apr 9	352	May 24	623	Jun 9, 1979
LOWEST DAILY MEAN	3.0	Jan 5	5.9	Nov 25	1.1	Dec 3, 1950
ANNUAL SEVEN-DAY MINIMUM	3.7	Feb 9	7.3	Dec 17	2.2	Sep 11, 1956
MAXIMUM PEAK FLOW			503	May 24	2,420	Sep 24, 1931
MAXIMUM PEAK STAGE			3.72	May 24	7.80	Sep 24, 1931
INSTANTANEOUS LOW FLOW			2.4	Nov 25	0.19	Mar 13, 1954
ANNUAL RUNOFF (AC-FT)	14,270		32,010		22,500	
10 PERCENT EXCEEDS	54		112		75	
50 PERCENT EXCEEDS	11		22		14	
90 PERCENT EXCEEDS	5.0		8.6		7.5	

e Estimated

08294195 RIO NAMBE ABOVE NAMBE FALLS DAM NEAR NAMBE, NM

LOCATION.--Lat 35°51'00", long 105°53'40", in NE ¼ SW ¼ sec.29, T.19 N., R.10 E., Santa Fe County, Hydrologic Unit 13020101, on Nambe Indian Reservation, 0.6 mi upstream from Nambe Falls, 3.4 mi upstream from Rio En Medio, 5.0 mi southeast of Nambe Pueblo, and 6.0 mi southeast of Nambe.

DRAINAGE AREA.--25 mi², approximately.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,885 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.5	e5.9	e4.1	e5.1	e6.4	e6.0	e13	e31	e63	23	8.2	7.9
2	e5.3	e4.7	e3.8	e5.1	e5.4	e7.1	e14	e32	e54	22	8.2	10
3	e5.3	e5.8	e4.6	e5.6	e6.0	e7.7	e15	e31	e51	22	9.0	8.5
4	e5.5	e5.2	e4.2	e5.6	e6.7	e8.1	e18	e33	e50	21	10	7.9
5	e7.7	e5.1	e4.3	e5.9	e6.1	e7.9	e19	e34	e48	20	10	7.7
6	e6.5	e4.7	e3.7	e5.4	e5.5	e9.0	e21	e40	e47	18	10	8.0
7	e6.3	e4.5	e4.4	e5.6	e5.8	e8.3	e23	e43	e45	17	9.9	11
8	e6.0	e4.5	e3.9	e5.9	e5.7	e8.9	e26	e41	e45	16	8.9	10
9	e6.2	e4.5	e4.6	e5.7	e5.1	e12	e26	e40	e43	15	10	8.6
10	e6.1	e4.4	e4.0	e6.7	e5.9	e9.2	e26	e42	e41	15	8.9	8.3
11	e6.4	e4.3	e4.1	e7.6	e6.7	e13	e23	e44	e41	14	8.0	7.4
12	e6.9	e4.1	e4.2	e6.3	e15	e14	e22	e45	e43	13	9.7	7.3
13	e6.7	e4.0	e3.9	e5.8	e15	e16	e23	e42	e41	13	11	7.2
14	e6.2	e3.7	e4.4	e6.4	e14	e18	e27	e43	e39	13	13	6.8
15	e6.1	e4.2	e3.8	e6.1	e13	e14	e30	e44	e41	13	13	6.6
16	e6.1	e4.1	e4.0	e8.8	e13	e13	e38	e46	e43	13	17	6.3
17	e5.7	e4.1	e4.3	e6.0	e12	e13	e47	e54	e41	12	12	6.0
18	e5.8	e4.1	e4.0	e6.2	e13	e12	e48	e58	e40	12	11	6.0
19	e5.7	e4.0	e4.3	e5.6	e15	e12	e46	e59	e36	11	11	5.9
20	e5.9	e4.4	e4.0	e6.1	e15	e13	e44	e67	e37	11	10	5.7
21	e5.9	e3.9	e4.4	e5.5	e13	e13	e42	e77	e36	12	9.8	5.5
22	e6.4	3.8	e4.2	e6.5	e14	e13	e38	e86	e37	12	9.3	5.4
23	e6.0	e4.3	e4.1	e5.8	e13	e13	e39	e97	33	11	9.0	5.9
24	e6.0	e3.9	e4.2	e6.3	e12	e13	e44	e94	31	11	8.7	5.2
25	e6.0	e3.7	e4.6	e6.1	e12	e13	e39	e96	e32	11	8.3	5.1
26	e6.5	e4.0	e4.4	e5.9	e11	e12	e38	e101	e31	10	7.9	4.9
27	e7.1	e4.3	e4.4	e7.1	e10	e13	e39	e102	28	10	7.5	4.8
28	e6.9	e4.0	e4.1	e6.5	e8.5	e14	e36	e90	25	10	8.5	7.8
29	e6.7	e3.9	e5.5	e6.6	---	e16	e34	e84	22	9.9	8.1	31
30	e6.1	e4.6	e7.0	e6.3	---	e14	e33	e71	22	9.0	7.3	19
31	e6.1	---	e5.2	e5.1	---	e14	---	e68	---	8.6	6.8	---
TOTAL	191.6	130.7	134.7	189.2	283.8	370.2	931	1,835	1,186	428.5	300.0	247.7
MEAN	6.18	4.36	4.35	6.10	10.1	11.9	31.0	59.2	39.5	13.8	9.68	8.26
MAX	7.7	5.9	7.0	8.8	15	18	48	102	63	23	17	31
MIN	5.3	3.7	3.7	5.1	5.1	6.0	13	31	22	8.6	6.8	4.8
AC-FT	380	259	267	375	563	734	1,850	3,640	2,350	850	595	491

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	4.48	4.00	3.49	3.60	4.26	6.46	15.1	27.9	18.2	7.26	5.91	5.87
MAX	6.18	4.36	4.35	6.10	10.1	11.9	31.0	59.2	39.5	13.8	9.68	8.26
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
MIN	3.43	3.63	2.64	2.23	1.86	3.38	4.32	2.92	0.98	2.61	2.55	3.42
(WY)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2002 - 2005

ANNUAL TOTAL	2,855.0	6,228.4	8.90	
ANNUAL MEAN	7.80	17.1	17.1	2005
HIGHEST ANNUAL MEAN			3.03	2002
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	35	May 20	102	May 27, 2005
LOWEST DAILY MEAN	1.8	Feb 15	3.7	Nov 14
ANNUAL SEVEN-DAY MINIMUM	2.2	Feb 11	4.0	Nov 21
MAXIMUM PEAK FLOW			111	May 27
MAXIMUM PEAK STAGE			1.34	May 27
INSTANTANEOUS LOW FLOW			3.2	Dec 7
ANNUAL RUNOFF (AC-FT)	5,660	12,350	6,450	
10 PERCENT EXCEEDS	19	43	21	
50 PERCENT EXCEEDS	5.5	9.0	4.5	
90 PERCENT EXCEEDS	3.2	4.3	2.3	

a From rating curve extended above 50 ft³/s, on basis of slope-area measurement of peak flow.

e Estimated

08294200 NAMBE FALLS RESERVOIR NEAR NAMBE, NM

LOCATION.--Lat 35°50'44", long 105°54'22", in NE ¼ SW ¼, sec.29, T.19 N., R.10 E., Santa Fe County, Hydrologic Unit 13020101, on Nambe Indian Reservation, 300 ft upstream from Nambe Falls, 2.6 mi upstream from Rio En Medio, 4.4 mi southeast of Nambe Pueblo, and 5.4 mi southeast of Nambe.

DRAINAGE AREA.--34.1 mi².

PERIOD OF RECORD.--February 1976 to current year.

REVISED RECORDS.--WDR NM-77-1: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation). Prior to July 22, 1976, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by a concrete arch and earthfill dam; storage began Feb. 23, 1976. Total capacity, 2,020 acre-ft at elevation 6,826.6 ft, crest of ogee weir spillway, including 237 acre-ft of storage in a permanent pool between elevation 6,760.9 ft, invert of outlet conduits, and 6,780.0 ft. Dead storage 121 acre-ft below elevation 6,760.9 ft. Outlet conduits are one 6-in.- and two 12-in.-diameter pipes. Reservoir is used for storage of irrigation water and for recreation. Figures given herein represent total storage.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,060 acre-ft June 9, 1979, elevation, 6,827.24 ft; no storage prior to Feb. 23, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,050 acre-ft, May 22-27, elevation, 6,827.01 ft; minimum, 517 acre-ft, Oct. 1, elevation, 6,787.94 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e517	e546	e686	878	1,150	e1,620	1,930	2,030	2,040	2,030	1,410	1,380
2	e517	e547	e692	886	1,160	1,630	1,940	2,030	2,040	2,030	1,370	1,380
3	e518	e548	e699	894	1,160	1,650	1,950	2,030	2,040	2,030	1,370	1,380
4	e519	e549	705	903	1,170	1,650	1,960	2,030	2,040	2,030	1,370	1,370
5	e520	e550	711	912	1,180	1,660	1,980	2,030	2,040	2,030	1,380	1,350
6	e521	e551	717	920	1,190	1,670	2,000	2,030	2,040	2,010	1,390	1,350
7	e522	e552	724	927	1,200	1,680	2,020	2,030	2,040	2,000	1,400	1,350
8	e523	e553	729	936	1,210	1,690	2,030	2,030	2,040	1,980	1,380	1,350
9	e524	e558	736	944	1,220	1,700	2,030	2,030	2,040	1,960	1,350	1,350
10	e525	e563	742	953	1,230	1,710	2,030	2,030	2,030	1,930	1,320	1,350
11	e526	e568	748	965	1,240	1,730	2,030	2,030	2,030	1,900	1,300	1,350
12	e527	e573	754	974	1,270	1,750	2,030	2,030	2,030	1,860	1,280	1,350
13	e528	e578	759	982	1,300	1,770	2,030	2,030	2,030	1,830	1,270	1,350
14	e529	e584	765	991	1,320	1,800	2,030	2,030	2,030	1,790	1,290	1,340
15	e530	e589	771	1,000	1,340	1,810	2,030	2,030	2,030	1,760	1,300	1,330
16	e531	e594	776	1,010	1,370	1,820	2,040	2,040	2,030	1,720	1,330	1,310
17	e532	e599	782	1,020	1,390	1,830	2,040	2,040	2,030	1,690	1,340	1,280
18	e533	e604	788	1,020	1,410	1,840	2,040	2,040	2,030	1,650	1,350	1,250
19	e533	e610	793	1,030	1,430	1,840	2,030	2,040	2,030	1,650	1,360	1,220
20	e534	e617	799	1,040	1,460	1,850	2,030	2,040	2,030	1,650	1,360	1,190
21	e535	e623	805	1,050	1,480	1,860	2,030	2,040	2,030	1,650	1,370	1,160
22	e536	e629	811	1,060	e1,510	1,860	2,030	2,050	2,030	1,650	1,370	1,130
23	e537	e636	816	1,070	e1,530	1,870	2,030	2,050	2,030	1,660	1,380	1,100
24	e538	e642	822	1,080	e1,540	1,880	2,030	2,050	2,030	1,660	1,380	1,070
25	e539	e648	828	1,090	e1,560	1,880	2,030	2,050	2,030	1,630	1,390	1,040
26	e540	e654	834	1,090	e1,580	1,890	2,030	2,050	2,030	1,610	1,390	1,010
27	e541	e661	840	1,110	e1,590	1,890	2,030	2,050	2,030	1,600	1,390	986
28	e542	e667	845	1,120	e1,610	1,900	2,030	2,040	2,030	1,580	1,390	981
29	e543	e673	853	1,120	---	1,910	2,030	2,040	2,030	1,540	1,390	1,040
30	e544	e680	864	1,130	---	1,920	2,030	2,040	2,030	1,490	1,390	1,070
31	e545	---	871	1,140	---	1,920	---	2,040	---	1,450	1,380	---
MAX	e545	e680	871	1,140	e1,610	1,920	2,040	2,050	2,040	2,030	1,410	1,380
MIN	517	546	686	878	1,150	1,620	1,930	2,030	2,030	1,450	1,270	981
(+)	e6,789.16	e6,794.52	6,801.04	6,808.54	e6,818.93	6,824.91	6,826.72	6,826.92	6,826.69	6,815.57	6,814.17	6,806.71
(++)	+29	+135	+191	+269	+470	+310	+110	+10	-10	-580	-70	-310
CAL YR	2004	MAX 1,820	MIN 452	(++) +442								
WTR YR	2005	MAX 2,050	MIN 517	(++)+554								

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

e Estimated

08294210 RIO NAMBE BELOW NAMBE FALLS DAM, NEAR NAMBE, NM

LOCATION.--Lat 35°50'34", long 105°54'35", in NE ¼ SW ¼ sec.29, T.19 N., R.10 E., Santa Fe County, Hydrologic Unit 13020101, on Nambe Indian Reservation, in outlet conduits of Nambe Falls Dam, 300 ft upstream from Nambe Falls, 2.6 mi upstream from Rio En Medio, 4.4 mi southeast of Nambe Pueblo, and 5.4 mi southeast of Nambe.

DRAINAGE AREA.--34.1 mi².

PERIOD OF RECORD.--January 1979 to current year.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 6,840 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Flow regulated by Nambe Falls Reservoir (station 08294200). Outlet conduits are one 6-in.- and two 12-in.- diameter pipes.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	5.0	0.65	0.73	0.59	0.58	8.0	29	61	21	29	8.4
2	5.3	5.0	0.65	0.75	0.58	0.58	8.0	30	53	19	26	8.2
3	5.0	5.0	0.65	0.74	0.58	1.4	8.0	29	50	18	9.4	8.1
4	5.0	5.0	0.66	0.80	0.58	3.2	8.1	30	49	17	4.0	8.1
5	5.3	5.0	0.68	0.75	0.59	3.2	8.1	33	48	17	5.0	14
6	5.4	5.0	0.68	0.73	0.60	3.1	8.1	36	47	20	5.6	8.9
7	5.3	5.0	0.68	0.73	0.58	3.0	9.4	40	45	20	5.7	9.5
8	5.3	3.4	0.68	0.74	0.54	3.0	21	39	44	22	17	6.5
9	5.3	1.1	0.69	0.75	0.54	3.0	24	38	42	23	22	6.5
10	5.3	1.1	0.69	0.76	0.54	2.9	24	40	41	25	22	6.4
11	5.3	1.1	0.69	0.76	0.56	2.9	22	42	41	27	22	6.4
12	5.1	1.1	0.69	0.75	0.59	2.9	20	42	43	28	22	6.2
13	5.1	1.1	0.69	0.75	0.56	2.9	20	41	39	27	14	6.0
14	5.1	1.1	0.68	0.75	0.56	2.8	24	42	39	27	6.3	8.2
15	5.1	1.1	0.69	0.75	0.56	5.1	28	42	40	27	5.0	9.2
16	5.0	1.1	0.69	0.75	0.58	7.7	35	43	41	27	4.9	13
17	5.1	1.1	0.69	0.76	0.78	7.8	45	50	41	29	4.8	15
18	5.0	1.1	0.69	0.76	0.88	7.8	46	54	38	31	6.1	15
19	5.0	0.99	0.70	0.76	0.58	7.9	45	54	35	16	7.1	15
20	5.0	0.68	0.69	0.77	0.57	7.9	43	62	33	9.5	7.1	16
21	5.1	0.67	0.71	0.77	0.57	7.9	40	72	34	9.4	7.0	17
22	5.1	0.67	0.70	0.76	0.57	7.9	37	81	35	9.5	5.7	17
23	5.1	0.69	0.68	0.76	0.58	7.9	37	91	33	9.4	5.3	17
24	5.1	0.67	0.67	0.73	0.58	7.9	42	93	32	9.3	5.3	17
25	5.0	0.68	0.68	0.68	0.58	7.9	39	93	32	22	5.4	17
26	5.1	0.67	0.69	0.68	0.58	7.9	37	96	32	21	6.1	16
27	5.1	0.67	0.70	0.69	0.58	7.9	37	98	30	15	6.1	16
28	5.1	0.67	0.71	0.59	0.58	8.0	35	88	27	20	6.0	10
29	5.1	0.67	0.75	0.59	---	8.0	33	83	25	28	6.0	6.8
30	5.1	0.65	0.75	0.60	---	8.0	31	70	22	32	6.0	4.4
31	5.0	---	0.72	0.58	---	8.0	---	67	---	31	7.8	---
TOTAL	159.2	57.78	21.37	22.47	16.56	166.96	822.7	1,748	1,172	657.1	311.7	332.8
MEAN	5.14	1.93	0.69	0.72	0.59	5.39	27.4	56.4	39.1	21.2	10.1	11.1
MAX	5.4	5.0	0.75	0.80	0.88	8.0	46	98	61	32	29	17
MIN	5.0	0.65	0.65	0.58	0.54	0.58	8.0	29	22	9.3	4.0	4.4
AC-FT	316	115	42	45	33	331	1,630	3,470	2,320	1,300	618	660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

MEAN	6.79	4.01	2.53	1.95	2.64	5.33	15.3	36.7	42.4	21.1	14.9	11.4
MAX	19.5	11.9	12.4	5.29	7.68	17.4	42.3	85.4	125	48.4	51.9	45.4
(WY)	(1989)	(1987)	(2004)	(1992)	(1995)	(1985)	(1985)	(1985)	(1979)	(1983)	(1983)	(1988)
MIN	2.83	1.10	0.45	0.45	0.45	0.49	1.11	9.89	1.92	2.04	2.86	1.47
(WY)	(2003)	(1997)	(1980)	(1980)	(1980)	(1979)	(2004)	(1981)	(2002)	(2002)	(1989)	(1994)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1979 - 2005

ANNUAL TOTAL	2,427.07	5,488.64	
ANNUAL MEAN	6.63	15.0	13.3
HIGHEST ANNUAL MEAN			25.7
LOWEST ANNUAL MEAN			3.46
HIGHEST DAILY MEAN	26	Jun 11	98
LOWEST DAILY MEAN	0.65	Nov 30	0.54
ANNUAL SEVEN-DAY MINIMUM	0.66	Nov 28	0.56
ANNUAL RUNOFF (AC-FT)	4,810		10,890
10 PERCENT EXCEEDS	22		41
50 PERCENT EXCEEDS	4.4		6.1
90 PERCENT EXCEEDS	0.70		0.66

a At site 1,100 ft downstream (maximum release and spill computed at Nambe Falls Dam, 250 ft³/s, June 9, 1979).

08302500 TESUQUE CREEK ABOVE DIVERSIONS NEAR SANTA FE, NM

LOCATION.--Lat 35°44'24", long 105°53'54", in SW ¼ SE ¼ sec.32, T.18 N., R.10 E., Santa Fe County, Hydrologic Unit 13020101, in Santa Fe National Forest, on left bank 0.30 mi from boundary, 1.0 mi southwest of Bishops Lodge, 1.1 mi to State Highway 22, and 10 mi northeast of Santa Fe.

DRAINAGE AREA.--12 mi².

PERIOD OF RECORD.--March 1936 to January 1952, May to October 1919 in report of State Engineer. October 1997 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,220 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.71	0.84	e3.7	0.84	1.1	2.1	5.0	9.4	e31	2.2	1.0	e1.0
2	0.68	0.69	e5.0	0.83	e1.3	2.0	4.6	9.3	26	2.0	1.0	e2.2
3	0.69	0.76	4.3	0.87	e1.2	1.9	5.1	8.7	22	1.8	1.0	e0.76
4	0.67	0.86	e4.2	1.2	e1.0	1.9	5.8	8.6	20	1.8	1.1	e0.68
5	0.99	0.81	3.0	1.1	1.0	1.9	6.7	9.7	19	1.6	1.5	e0.63
6	0.99	0.83	1.2	1.6	0.92	2.0	7.7	13	18	1.4	1.6	e0.68
7	0.78	0.83	0.90	3.1	0.94	2.0	e12	17	17	1.7	1.6	e0.68
8	0.74	0.83	0.89	1.0	e1.0	2.2	e16	17	15	2.5	1.3	e0.85
9	0.78	0.88	0.81	1.0	e1.1	2.5	e17	18	14	2.4	1.5	e0.68
10	0.76	0.89	0.79	1.1	1.4	2.9	e19	20	13	2.3	1.6	e0.75
11	0.90	0.89	0.83	1.1	1.0	3.5	e11	22	12	2.2	1.2	e0.63
12	0.93	0.86	0.81	1.1	4.5	4.3	e12	22	12	2.2	1.9	e0.60
13	0.98	0.87	0.80	e3.4	6.3	5.1	e13	22	11	3.1	2.2	e0.57
14	0.96	0.80	0.87	e1.8	5.6	5.1	14	24	10	2.7	2.6	e0.53
15	0.95	0.90	1.7	e1.5	4.4	6.7	18	26	9.6	3.0	1.8	e0.76
16	0.86	0.84	1.4	e1.4	3.9	7.4	e39	26	8.8	2.5	1.8	e0.60
17	0.82	0.79	1.9	1.2	3.5	6.3	e49	32	8.8	2.1	1.5	e0.60
18	0.81	0.77	e3.2	e1.3	3.3	4.7	49	e35	8.9	2.0	1.3	e0.57
19	0.79	0.84	2.5	e1.2	3.7	4.3	44	e37	8.8	2.1	1.1	e0.60
20	0.79	0.87	e4.0	e1.2	4.2	4.2	37	e42	8.6	1.6	1.1	e0.60
21	0.79	0.86	e1.6	1.2	3.9	4.0	31	e52	8.4	1.9	1.1	e0.57
22	0.87	0.84	e1.8	1.2	3.5	4.2	26	e63	7.8	2.2	1.0	e0.53
23	0.82	0.88	e1.8	1.3	3.2	4.5	25	e65	7.4	2.8	0.93	e0.50
24	0.87	0.78	e2.0	1.2	2.9	4.5	30	e62	7.0	2.1	0.86	e0.47
25	0.86	0.73	e0.90	1.2	2.7	4.6	23	e57	6.8	1.7	0.78	e0.47
26	0.90	0.82	e1.1	1.2	2.5	4.3	18	e52	6.5	1.6	e0.68	e0.45
27	0.94	0.78	e1.2	1.2	2.4	4.4	16	e47	5.7	1.5	e0.76	e0.43
28	0.89	0.81	e1.1	1.1	2.2	4.5	14	e44	4.6	1.4	e0.70	e0.85
29	0.91	0.88	e3.9	1.1	---	4.8	12	e41	3.9	1.3	e0.76	e7.2
30	0.85	3.7	e0.70	1.1	---	4.9	11	e38	2.9	1.2	e0.68	e2.8
31	0.85	---	e0.90	e1.5	---	4.8	---	34	---	1.1	e0.65	---
TOTAL	26.13	27.73	59.80	41.14	74.66	122.5	590.9	973.7	354.5	62.0	38.60	29.24
MEAN	0.84	0.92	1.93	1.33	2.67	3.95	19.7	31.4	11.8	2.00	1.25	0.97
MAX	0.99	3.7	5.0	3.4	6.3	7.4	49	65	31	3.1	2.6	7.2
MIN	0.67	0.69	0.70	0.83	0.92	1.9	4.6	8.6	2.9	1.1	0.65	0.43
AC-FT	52	55	119	82	148	243	1,170	1,930	703	123	77	58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2005, BY WATER YEAR (WY)

MEAN	1.61	1.28	1.00	0.92	1.05	2.08	6.09	10.2	5.97	2.08	1.85	1.31
MAX	10.3	6.60	2.65	2.02	2.67	4.32	26.4	37.0	27.0	7.68	7.34	4.43
(WY)	(1942)	(1942)	(1942)	(1942)	(2005)	(1940)	(1942)	(1941)	(1941)	(1941)	(1999)	(1941)
MIN	0.28	0.39	0.31	0.31	0.41	0.42	0.75	0.30	0.05	0.24	0.06	0.26
(WY)	(2003)	(1951)	(2003)	(2003)	(2004)	(1951)	(1951)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1936 - 2005

ANNUAL TOTAL	621.52	2,400.90	
ANNUAL MEAN	1.70	6.58	2.98
HIGHEST ANNUAL MEAN			8.14
LOWEST ANNUAL MEAN			0.48
HIGHEST DAILY MEAN	7.3	May 13	72
LOWEST DAILY MEAN	0.19	Jan 9	0.00
ANNUAL SEVEN-DAY MINIMUM	0.26	Sep 12	0.00
MAXIMUM PEAK FLOW			a425
MAXIMUM PEAK STAGE			5.05
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	1,230	4,760	2,160
10 PERCENT EXCEEDS	4.5	19	7.3
50 PERCENT EXCEEDS	0.88	1.8	1.2
90 PERCENT EXCEEDS	0.35	0.76	0.53

a Gage height 4.30 ft from floodmarks, from rating curve extended above 10 ft³/s, on basis of slope-area measurement at gage height 4.0 ft, at different datum.
e Estimated

08305030 LITTLE TESUQUE CREEK AT BISHOPS LODGE NEAR SANTA FE, NM

LOCATION.--Lat 35°43'52", long 105°54'41", in NW ¼ SW ¼ sec.5, T. 17 N., R. 10 E., Santa Fe County, Hydrologic Unit 13020101, on right bank 100 ft downstream from entrance to Bishops Lodge, and 9.0 mi northeast of Santa Fe.

DRAINAGE AREA.--7.61 mi², approximately.

PERIOD OF RECORD.--July 1999 to current year.

GAGE.--Water-stage recorder. Concrete low-flow control. Elevation of gage is 7,100 ft above NGVD of 1929.

REMARKS.--Records fair except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.18	0.00	0.00	1.1	3.9	4.1	4.4	6.4	0.02	0.00	0.49
2	0.00	0.19	0.00	0.00	1.0	3.6	4.0	3.9	5.4	0.01	0.00	0.00
3	0.00	0.24	0.00	0.01	2.8	3.4	4.2	3.6	4.5	0.00	0.00	0.00
4	0.00	0.11	0.00	0.24	2.4	3.3	5.4	3.2	4.0	0.00	0.00	0.00
5	0.09	0.10	0.00	0.15	1.0	3.2	6.1	3.6	3.4	0.00	0.00	0.00
6	0.00	0.09	0.00	0.35	1.0	3.4	7.1	5.3	2.9	0.00	0.00	0.00
7	0.00	0.07	0.00	1.9	0.97	3.4	8.0	7.1	2.4	0.00	0.00	0.01
8	0.00	0.04	0.00	0.69	0.96	3.5	5.6	6.7	2.1	0.00	0.00	0.00
9	0.00	0.05	0.00	1.2	1.4	3.8	13	6.6	1.8	0.00	0.00	0.00
10	0.00	0.11	0.00	0.79	1.3	4.4	14	6.8	1.6	0.00	0.00	0.00
11	0.01	0.08	0.00	0.82	1.2	5.4	13	7.1	1.4	0.00	0.00	0.00
12	0.00	0.07	0.00	0.99	3.5	5.7	10	7.2	1.4	0.00	0.00	0.00
13	0.02	0.06	0.00	1.1	4.8	6.4	9.7	6.5	1.0	0.00	0.01	0.00
14	0.00	0.03	0.00	1.2	6.4	6.3	12	5.7	0.82	0.00	0.00	0.00
15	0.00	0.03	0.00	1.3	6.2	5.7	13	5.4	0.68	0.00	0.00	0.00
16	0.00	0.02	0.00	1.2	6.6	5.6	e12	5.5	0.57	0.00	0.00	0.00
17	0.00	0.01	0.00	1.2	5.9	4.5	e23	5.8	0.47	0.00	0.00	0.00
18	0.00	0.01	0.00	1.2	5.7	4.4	e22	6.3	0.38	0.00	0.00	0.00
19	e0.04	0.00	0.00	1.2	6.3	4.0	e21	6.2	0.31	0.00	0.00	0.00
20	e0.04	0.01	0.00	1.1	7.7	4.0	20	6.2	0.23	0.00	0.00	0.00
21	e0.03	0.01	0.00	1.2	7.2	4.0	15	6.8	0.27	0.00	0.00	0.00
22	e0.06	0.01	0.00	1.2	6.6	3.8	12	8.2	0.25	0.00	0.00	0.00
23	0.10	0.01	0.00	1.1	6.2	3.9	11	11	0.14	1.4	0.00	0.00
24	0.13	0.07	0.00	1.1	5.7	3.9	11	12	0.10	0.45	0.00	0.00
25	0.14	0.01	0.00	1.1	4.8	3.9	11	9.1	0.08	0.00	0.00	0.00
26	0.15	0.01	0.00	1.1	4.7	3.8	8.7	9.2	0.08	0.00	0.00	0.00
27	0.14	0.00	0.00	1.1	4.5	3.8	7.6	10	0.06	0.00	0.00	0.00
28	0.15	0.00	0.00	1.2	4.2	4.0	6.5	10	0.04	0.00	0.00	0.02
29	0.20	0.00	0.02	1.1	---	4.4	6.1	9.5	0.03	0.00	0.00	0.43
30	0.22	0.00	0.04	1.2	---	4.4	5.1	8.3	0.03	0.00	0.00	0.00
31	0.21	---	0.00	1.2	---	4.2	---	7.2	---	0.00	0.00	---
TOTAL	1.73	1.62	0.06	29.24	112.13	132.0	321.2	214.4	42.84	1.88	0.01	0.95
MEAN	0.06	0.05	0.00	0.94	4.00	4.26	10.7	6.92	1.43	0.06	0.00	0.03
MAX	0.22	0.24	0.04	1.9	7.7	6.4	23	12	6.4	1.4	0.01	0.49
MIN	0.00	0.00	0.00	0.00	0.96	3.2	4.0	3.2	0.03	0.00	0.00	0.00
AC-FT	3.4	3.2	0.1	58	222	262	637	425	85	3.7	0.02	1.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	0.09	0.14	0.02	0.16	0.68	1.45	3.82	1.51	0.26	0.02	0.39	0.03
MAX	0.48	0.79	0.14	0.94	4.00	4.26	10.7	6.92	1.43	0.06	2.26	0.18
(WY)	(2001)	(2001)	(2001)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(1999)	(1999)
MIN	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)	(2002)	(2002)	(2002)	(2000)	(2000)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1999 - 2005

ANNUAL TOTAL	239.69	858.06	
ANNUAL MEAN	0.65	2.35	0.68
HIGHEST ANNUAL MEAN			2.35
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	26	Apr 10	26
LOWEST DAILY MEAN	0.00	Jan 1	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			75
MAXIMUM PEAK STAGE			5.02
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	475	1,700	495
10 PERCENT EXCEEDS	0.55	6.9	1.5
50 PERCENT EXCEEDS	0.00	0.14	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

e Estimated

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM

LOCATION.--Lat 35°52'28", long 106°08'30", in SW ¼ SW ¼ sec.18, T.19 N., R.8 E., Santa Fe County, Hydrologic Unit 13020101, on San Ildefonso Pueblo Grant, near right bank on downstream end of pier of former railway bridge, 400 ft downstream from bridge on State Highway 502, 1.8 mi southwest of San Ildefonso Pueblo, 2.5 mi downstream from Pojoaque River, 6.8 mi west of Pojoaque, and at mile 1.614.2.

DRAINAGE AREA.--14,300 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1895 to December 1905, June 1909 to current year. Monthly discharge only for some periods, published in WSP 1312. In early reports this record was published as "at Water Tank," as "at Rio Grande," and as "near Buckman."

REVISED RECORDS.--WSP 828: drainage area. WSP 1512: 1895-99, 1904-06, 1911-12, 1914, 1931(M), 1935. WSP 1712: 1904(M). WDR-NM-90: 1989.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,488.48 ft above NGVD of 1929. See WSP 1312, 1732, or 1923 for history of changes prior to June 1, 1910.

REMARKS.--Water-discharge records good, except estimated daily discharge, which are poor. Considerable regulation by Heron Reservoir (station 08284510), El Vado Reservoir (station 08285000), and Abiquiu Reservoir (station 08286900) on Rio Chama, which can contribute a major portion of the total flow. Flow affected by release of transmountain water from Heron Reservoir since May 1971. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and 75,000 acres in New Mexico.

EXTREMES OUTSIDE PERIOD OF RECORD.--The 1920 flood is greatest since at least 1884 and probably since 1741; information from file of W.H. Yeo on floods.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	459	709	671	729	e1,070	939	3,450	6,980	2,480	905	1,080
2	486	468	605	670	707	e913	932	3,660	6,380	2,170	957	946
3	446	453	739	679	673	e887	926	3,490	6,110	2,010	1,050	799
4	416	432	706	725	652	e859	974	3,650	5,780	1,840	1,150	683
5	542	443	760	731	657	e849	1,050	3,930	5,570	1,740	1,190	739
6	409	622	781	700	680	e813	1,080	3,940	5,440	1,660	1,190	845
7	395	653	851	667	681	e775	1,170	4,070	5,270	1,570	963	878
8	338	685	872	718	709	e757	1,370	e3,950	4,890	1,490	753	795
9	323	691	897	758	699	e749	1,740	e3,960	4,750	1,370	680	629
10	318	697	918	759	691	e780	1,940	e4,000	4,770	1,270	865	668
11	320	691	1,020	793	701	e810	2,090	e4,400	4,790	1,200	1,010	647
12	314	695	1,030	784	707	e828	2,270	e4,700	4,870	1,130	1,590	636
13	350	730	1,030	797	802	e863	2,500	5,000	4,750	1,040	1,150	713
14	458	803	968	730	791	e898	2,540	5,500	4,460	972	911	718
15	432	802	966	613	809	e930	3,120	5,590	4,070	1,020	707	829
16	388	801	1,030	627	815	e941	3,570	5,660	3,970	1,050	669	828
17	382	795	1,030	659	855	e980	4,320	5,950	3,870	895	788	822
18	386	769	1,000	657	934	e972	4,810	6,490	3,970	913	701	766
19	409	762	1,010	645	1,060	e955	5,150	6,780	4,020	1,060	641	774
20	413	768	984	656	1,140	e980	5,410	7,370	4,020	997	619	844
21	401	787	948	672	1,120	e999	5,480	7,790	3,760	959	704	901
22	406	771	946	697	1,100	e989	5,380	8,140	3,830	969	849	868
23	409	764	811	705	1,010	e994	4,960	8,400	3,640	953	916	835
24	390	755	610	714	1,180	e976	5,150	8,610	3,610	958	953	842
25	380	790	571	715	1,340	951	4,570	8,820	3,410	971	935	824
26	379	809	589	725	1,340	942	5,260	8,890	3,530	1,010	816	798
27	396	886	568	747	1,330	935	5,400	8,970	3,460	1,010	808	795
28	430	899	562	777	e1,250	945	4,740	8,880	3,080	1,010	780	1,090
29	630	857	568	748	---	985	4,070	8,450	2,990	912	863	1,290
30	476	888	684	753	---	964	3,530	7,990	2,850	863	942	799
31	464	---	699	749	---	943	---	7,520	---	826	1,010	---
TOTAL	12,811	21,425	25,462	22,041	25,162	28,232	96,441	188,000	132,890	38,318	28,065	24,681
MEAN	413	714	821	711	899	911	3,215	6,065	4,430	1,236	905	823
MAX	630	899	1,030	797	1,340	1,070	5,480	8,970	6,980	2,480	1,590	1,290
MIN	314	432	562	613	652	749	926	3,450	2,850	826	619	629
AC-FT	25,410	42,500	50,500	43,720	49,910	56,000	191,300	372,900	263,600	76,000	55,670	48,950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	788	926	894	785	897	1,311	2,158	3,555	3,104	1,516	991	887
MAX	2,225	2,034	1,959	1,757	2,641	3,127	6,412	8,390	7,914	4,548	2,132	1,553
(WY)	(1998)	(1987)	(1976)	(1986)	(1987)	(1987)	(1985)	(1985)	(1979)	(1995)	(1999)	(1999)
MIN	361	368	426	436	498	610	489	433	470	394	391	263
(WY)	(1975)	(2003)	(2003)	(1977)	(2003)	(2003)	(1977)	(1972)	(1972)	(1972)	(1972)	(1974)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1971 - 2005

ANNUAL TOTAL	342,384	643,528	
ANNUAL MEAN	935	1,763	a1,486
HIGHEST ANNUAL MEAN			2,764
LOWEST ANNUAL MEAN			602
HIGHEST DAILY MEAN	3,400	8,970	12,000
LOWEST DAILY MEAN	314	314	195
ANNUAL SEVEN-DAY MINIMUM	337	337	229
MAXIMUM PEAK FLOW		9,190	24,400
MAXIMUM PEAK STAGE		8.61	b14.50
INSTANTANEOUS LOW FLOW		307	195
ANNUAL RUNOFF (AC-FT)	679,100	1,276,000	1,076,000
10 PERCENT EXCEEDS	1,680	4,830	3,430
50 PERCENT EXCEEDS	769	901	972
90 PERCENT EXCEEDS	464	566	482

a Average discharge for 71 years (water years 1895-1914,1916,1920-1970), 1530ft³/s; 1,108,000 acre-ft/yr.

b Present site and datum.

c Estimated

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1946 to September 1997, April 2004 to current year.

WATER TEMPERATURE: October 1948 to September 1993, April 2004 to current year.

INSTRUMENTATION.--Specific conductance recorder operated from October 1978 to September 1986, and April 2004 to September 2005. Water Temperature recorder operated from October 1954 to September 1986, and April 2004 to September 2005.

REMARKS.--Specific conductance values from October 1946 to September 1997 were determined in the laboratory from daily suspended sediment samples collected once daily by the field observer. Water temperature values from October 1948 to September 1993 were determined once daily by the field observer. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,310 microsiemens, Aug. 5, 1963; minimum daily, 88 microsiemens, May 12, 1984.

WATER TEMPERATURE: Maximum, 31.0 °C, Aug. 4, 5, 1954; minimum, freezing point many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 397 microsiemens, Oct. 2; minimum, 156 microsiemens, June 25, 26.

WATER TEMPERATURE: Maximum, 23.3 °C, July 20; minimum, freezing point many days during Dec.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
28...	1455	424	--	--	--	--	--	358	17.0	14.0	--	--	--
28...	1505	424	--	--	--	--	--	358	17.0	14.0	--	--	--
NOV													
15...	1200	801	--	630	10.4	103	8.4	258	7.0	6.5	94	28.5	5.55
18...	1340	778	--	626	--	--	--	261	7.8	9.2	--	--	--
18...	1350	778	--	626	--	--	--	261	7.8	9.2	--	--	--
DEC													
09...	1345	906	--	627	--	--	--	296	9.4	4.7	--	--	--
09...	1355	906	--	627	--	--	--	296	9.4	4.7	--	--	--
JAN													
03...	1315	692	--	624	--	--	--	292	9.2	5.2	--	--	--
03...	1330	692	--	624	--	--	--	292	9.2	5.2	--	--	--
FEB													
02...	1420	728	--	626	--	--	--	284	3.6	4.8	--	--	--
02...	1430	728	--	626	--	--	--	284	3.6	4.8	--	--	--
23...	1005	1,080	16	624	9.8	99	8.2	273	11.0	7.0	93	28.3	5.29
MAR													
24...	1225	979	--	617	--	--	--	262	10.0	8.9	--	--	--
24...	1240	979	--	617	--	--	--	262	10.0	8.9	--	--	--
APR													
28...	1500	4,750	47	621	9.4	105	E7.4	221	12.0	11.0	88	26.9	4.93
MAY													
23...	1355	8,570	--	--	--	--	--	188	32.5	16.4	--	--	--
JUN													
14...	1415	4,330	--	--	--	--	--	188	32.5	16.4	--	--	--
AUG													
17...	1300	847	550	628	8.4	115	8.1	308	28.5	21.0	120	37.3	5.54

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
OCT 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
OCT 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 15...	2.73	.8	17.2	94	E111	E1	5.57	.4	23.8	29.8	170	173	.15
NOV 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 23...	2.21	.7	15.1	96	115	--	5.92	.4	20.1	33.9	168	--	.14
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 28...	1.74	.5	9.78	65	E79	--	3.16	.2	16.3	32.3	135	150	.24
MAY 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 17...	2.69	.6	15.6	106	127	--	5.10	.5	19.8	37.8	187	207	.23

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli- form, M-FC col/ 100 mL (31625)	Fecal strep- tococci KF MF, col/ 100 mL (31673)	Alum- inum, water, fltrd, ug/L (01106)
OCT 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
OCT 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 15...	.42	E.03	--	E.05	<.008	<.02	.017	.104	1.6	<32	<85	84	20
NOV 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 23...	.35	<.04	E.026	E.05	<.008	<.02	.017	.128	--	--	22	<52	4
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 28...	.62	<.04	E.038	.07	<.008	E.01	.026	.19	4.9	<4	E35	440	14
MAY 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 17...	1.7	<.04	E.021	E.04	<.008	E.01	.032	.49	5.1	1,800	1,800	1,750	5

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)
OCT 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 15...	<.20	E2	48	<.06	35	<.04	<.8	.117	.7	23	.10	3.7	<.01
NOV 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 23...	<.20	2	40	<.06	106	<.04	<.8	.079	1.3	14	E.05	3.6	--
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 28...	E.10	E2	46	<.06	16	<.04	<.8	.096	1.3	25	E.06	4.6	<.01
MAY 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 17...	<.20	E2	84	<.06	35	E.02	<.8	.177	1.3	8	<.08	.9	<.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT 28...	--	--	--	--	--	--	--	--	--	82
OCT 28...	--	--	--	--	--	--	--	--	--	78
NOV 15...	--	3.9	.45	<3	--	<.2	.9	2.12	37	207
NOV 18...	--	--	--	--	--	--	--	--	--	143
NOV 18...	--	--	--	--	--	--	--	--	--	141
DEC 09...	--	--	--	--	--	--	--	--	--	175
DEC 09...	--	--	--	--	--	--	--	--	--	176
JAN 03...	--	--	--	--	--	--	--	--	--	64
JAN 03...	--	--	--	--	--	--	--	--	--	66
FEB 02...	--	--	--	--	--	--	--	--	--	91
FEB 02...	--	--	--	--	--	--	--	--	--	88
FEB 23...	<.01	2.8	.91	<3	<3	<.2	2.9	1.99	46	313
MAR 24...	--	--	--	--	--	--	--	--	--	142
MAR 24...	--	--	--	--	--	--	--	--	--	138
APR 28...	E.01	1.5	.42	<3	<3	<.2	1.5	1.13	--	440
MAY 23...	--	--	--	--	--	--	--	--	--	--
JUN 14...	--	--	--	--	--	--	--	--	--	363
AUG 17...	.02	5.3	1.76	<3	<3	<.2	E.5	2.10	--	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.5	12.5	14.7	9.3	6.2	8.0	2.5	0.0	1.3	6.0	2.8	4.3
2	17.9	13.5	15.6	8.2	4.4	6.3	2.1	0.0	0.9	4.5	3.0	3.6
3	16.2	13.9	15.0	8.2	4.1	6.3	1.8	0.0	0.8	5.9	3.7	4.7
4	16.3	12.6	14.4	8.7	4.3	6.7	1.8	0.0	0.9	5.7	4.7	5.3
5	15.3	11.9	13.2	9.2	5.1	7.2	4.4	1.6	2.8	5.0	3.5	4.2
6	16.6	11.4	13.8	8.0	5.0	6.6	4.2	1.9	3.0	5.1	2.5	3.6
7	16.1	11.6	14.1	8.7	4.8	7.0	5.1	2.7	3.9	3.7	0.9	2.4
8	17.4	12.6	15.1	10.5	6.8	8.7	5.1	2.5	3.7	4.8	2.4	3.5
9	17.3	12.6	15.1	9.6	7.7	8.9	5.8	0.0	4.1	5.7	3.4	4.5
10	---	---	---	10.1	6.7	8.4	6.0	3.2	4.6	7.7	4.6	6.0
11	---	---	---	9.9	7.4	8.6	5.9	3.2	4.6	7.2	5.5	6.3
12	16.9	12.0	14.4	8.1	6.6	7.3	6.1	3.5	4.8	5.7	3.3	4.4
13	15.1	10.0	12.4	7.3	5.8	6.6	5.3	3.4	4.3	4.3	1.8	3.0
14	13.4	9.3	11.1	7.0	5.5	6.2	4.6	2.1	3.4	4.2	1.4	2.7
15	14.9	9.8	12.3	6.6	5.6	6.1	4.3	1.6	3.0	3.9	0.4	2.3
16	15.0	10.3	12.9	7.8	4.6	6.3	5.7	2.8	4.1	4.3	0.6	2.5
17	14.5	11.8	13.3	9.9	6.3	8.0	4.3	2.1	3.3	4.9	1.3	3.1
18	14.2	10.9	12.6	9.3	6.1	7.8	4.7	2.0	3.3	5.1	1.8	3.6
19	14.4	10.1	12.4	10.2	7.2	8.5	4.2	1.6	3.0	6.1	2.4	4.3
20	14.3	10.2	12.5	8.0	6.7	7.1	4.0	1.3	2.7	6.5	3.1	4.8
21	13.4	10.9	12.3	8.3	6.3	7.4	3.0	2.1	2.6	6.9	3.5	5.1
22	12.9	10.6	11.7	9.0	6.5	7.8	3.5	1.7	2.7	6.4	3.5	5.0
23	13.1	8.5	10.9	7.5	6.2	6.9	1.7	0.0	0.8	6.6	3.0	4.9
24	12.9	8.3	10.8	7.2	5.6	6.3	0.2	0.0	0.0	6.6	3.0	4.9
25	12.4	8.7	10.8	7.2	4.2	5.7	0.3	0.0	0.1	7.3	3.4	5.3
26	14.2	10.7	12.4	5.6	3.8	4.7	0.7	0.0	0.2	5.6	4.1	5.0
27	15.0	11.9	13.4	4.8	2.7	3.8	1.6	0.0	0.6	5.5	4.8	5.1
28	14.2	11.5	13.0	6.0	3.7	4.6	3.1	0.0	1.6	6.7	4.1	5.3
29	12.9	10.2	11.5	4.5	2.3	3.4	4.5	1.3	2.8	6.2	3.5	5.0
30	11.3	7.6	9.6	3.1	1.0	2.0	6.4	3.4	4.8	5.8	3.9	4.8
31	10.7	6.9	9.1	---	---	---	4.2	2.2	3.4	5.7	3.1	4.3
MONTH	17.9	6.9	12.8	10.5	1.0	6.6	6.4	0.0	2.6	7.7	0.4	4.3
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	3.8	4.9	8.3	5.4	6.7	10.8	4.8	7.8	11.9	9.6	11.0
2	6.5	3.2	4.8	9.4	4.8	7.1	12.6	6.6	9.6	11.8	9.4	10.6
3	5.6	2.1	3.9	8.2	5.4	7.0	13.0	8.6	10.7	10.8	8.8	9.4
4	5.4	1.7	3.6	9.7	4.9	7.4	12.8	8.7	10.5	13.2	9.1	11.0
5	6.7	3.0	4.9	9.4	6.6	7.9	13.0	8.2	10.6	12.9	9.9	11.6
6	6.0	4.4	5.1	9.8	7.2	8.3	13.5	8.1	10.7	14.0	11.0	12.6
7	6.9	3.8	5.3	11.4	7.2	9.2	13.8	9.1	11.5	13.6	10.3	12.1
8	6.6	4.3	5.3	11.5	7.0	9.2	12.6	9.9	11.2	---	---	---
9	6.3	2.8	4.6	11.5	6.5	9.1	11.0	7.8	9.6	---	---	---
10	5.5	3.1	4.4	12.5	7.0	9.8	9.8	7.8	8.6	---	---	---
11	5.5	4.1	4.8	12.8	7.7	10.3	11.4	7.2	9.1	---	---	---
12	6.7	5.0	5.8	13.1	7.6	10.4	11.8	7.8	9.9	---	---	---
13	8.9	5.1	6.9	10.5	7.8	9.2	12.2	8.1	10.4	13.7	10.2	12.2
14	8.8	4.9	6.8	8.0	4.2	6.3	12.1	9.7	11.1	13.2	10.8	12.1
15	8.4	5.3	6.9	6.0	3.0	4.4	13.1	9.6	11.4	13.4	10.5	11.9
16	8.9	6.8	7.7	7.7	3.4	5.5	12.7	9.6	11.2	14.8	11.1	13.1
17	8.4	5.5	7.0	7.4	4.4	6.0	12.6	9.3	11.1	15.3	12.6	14.1
18	7.3	6.1	6.7	7.5	4.8	6.2	12.6	9.6	11.3	14.9	12.0	13.7
19	8.6	5.8	7.1	8.9	5.8	7.0	12.3	9.0	10.9	15.8	12.0	14.0
20	7.2	5.3	6.2	10.2	6.7	8.3	12.2	8.9	10.8	16.4	13.0	14.9
21	7.7	4.2	6.0	10.5	5.9	8.1	12.1	8.5	10.5	16.8	14.0	15.5
22	9.1	5.3	7.0	11.0	6.4	8.8	12.0	8.4	10.4	16.4	13.8	15.2
23	8.8	6.5	7.5	10.6	7.8	9.0	13.1	9.3	11.3	16.6	13.9	15.3
24	7.2	5.9	6.5	10.6	6.9	8.5	12.3	9.8	10.7	16.2	13.9	15.1
25	7.2	5.3	6.2	9.9	7.1	8.3	9.8	8.5	9.2	16.1	13.8	15.1
26	7.4	4.7	6.1	8.4	6.3	7.4	12.3	8.4	10.3	16.2	14.6	15.4
27	8.0	4.9	6.6	11.7	5.9	8.8	11.9	9.3	10.9	15.7	14.4	15.2
28	8.2	5.0	6.7	11.0	7.8	9.5	11.1	9.2	10.3	15.6	14.0	14.9
29	---	---	---	10.1	7.9	8.9	11.2	8.8	10.1	16.4	13.8	15.1
30	---	---	---	9.4	6.8	7.8	12.6	8.6	10.7	16.8	14.4	15.5
31	---	---	---	8.0	5.2	6.6	---	---	---	16.5	13.6	15.0
MONTH	9.1	1.7	5.9	13.1	3.0	8.0	13.8	4.8	10.4	16.8	8.8	13.5

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	387	380	384	372	367	370	306	288	298	333	316	324
2	397	382	391	374	370	372	331	306	322	322	308	316
3	391	387	389	375	370	372	337	314	327	310	293	303
4	391	388	390	378	368	374	333	315	324	294	286	291
5	---	---	---	384	376	380	327	311	319	291	283	288
6	---	---	---	376	355	366	324	307	316	289	281	284
7	386	362	374	369	353	362	325	312	321	287	281	284
8	385	372	377	353	289	312	331	315	323	301	277	288
9	377	373	375	289	278	284	323	305	314	296	286	288
10	---	---	---	282	278	280	306	301	304	295	287	292
11	---	---	---	287	280	282	303	298	300	298	291	295
12	371	365	367	290	283	285	298	294	296	309	296	301
13	374	355	366	286	279	282	295	292	293	303	289	295
14	386	352	364	284	274	277	293	286	290	306	284	290
15	369	362	366	279	273	275	294	282	287	315	288	300
16	387	369	380	275	265	270	294	284	289	323	291	304
17	391	381	387	273	267	270	293	285	289	317	289	298
18	381	362	372	270	265	267	300	283	289	305	291	298
19	364	361	363	270	265	267	299	287	292	307	298	302
20	361	353	357	272	266	268	306	287	294	309	302	304
21	355	353	354	274	269	271	306	289	297	307	301	304
22	355	350	353	276	273	274	304	296	300	308	301	305
23	351	345	347	277	273	274	306	289	298	303	294	299
24	362	347	356	277	274	276	309	290	300	299	289	293
25	363	359	361	285	273	278	321	297	307	297	289	293
26	365	358	362	283	275	278	328	301	314	300	292	295
27	382	363	367	296	279	286	331	310	320	296	282	289
28	374	358	366	287	284	285	327	317	322	291	286	289
29	382	347	362	293	287	291	331	313	322	293	285	288
30	368	347	360	301	286	292	328	306	317	293	286	290
31	369	364	367	---	---	---	325	309	316	296	286	290
MONTH	397	345	369	384	265	301	337	282	306	333	277	296
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	293	286	290	317	310	312	270	260	263	244	228	236
2	301	288	295	312	307	309	272	266	268	247	241	245
3	303	288	294	309	302	306	270	265	267	247	235	242
4	306	288	296	310	303	306	269	249	261	236	231	234
5	314	291	302	306	299	302	260	247	251	237	229	232
6	314	294	304	305	299	303	273	247	254	232	225	229
7	313	295	304	304	299	301	269	256	260	226	213	217
8	306	293	299	303	296	300	263	253	258	---	---	---
9	305	291	298	297	291	294	274	257	268	---	---	---
10	300	291	295	297	292	294	272	262	268	---	---	---
11	304	288	296	294	289	292	265	258	261	---	---	---
12	305	289	297	291	286	288	288	262	269	---	---	---
13	301	284	293	289	279	284	318	288	304	195	188	191
14	294	278	286	281	271	277	316	306	310	196	190	193
15	291	283	285	271	264	267	315	280	289	193	188	190
16	283	272	276	275	262	269	292	255	276	194	184	189
17	275	266	270	274	263	270	256	236	246	190	182	186
18	266	254	261	272	261	266	236	225	231	186	181	184
19	276	251	260	273	265	268	231	223	227	186	180	183
20	276	255	268	277	271	274	227	221	224	187	172	182
21	281	268	276	278	271	274	226	216	221	174	170	172
22	287	272	279	285	277	281	222	214	218	179	165	173
23	288	277	284	283	277	279	223	212	217	170	165	167
24	295	285	292	280	277	278	219	206	214	170	164	166
25	308	292	302	281	276	279	213	202	205	172	164	169
26	317	308	314	281	274	278	225	213	221	182	171	178
27	316	311	314	281	277	279	222	213	216	182	178	180
28	321	311	317	282	272	279	227	217	221	180	177	178
29	---	---	---	277	273	275	230	224	226	180	177	178
30	---	---	---	276	268	273	231	226	228	182	177	179
31	---	---	---	273	260	266	---	---	---	184	178	181
MONTH	321	251	291	317	260	285	318	202	248	247	164	194

08315480 SANTA FE RIVER ABOVE McCLURE RESERVOIR NEAR SANTA FE, NM

LOCATION.--Lat 35°41'20", long 105°49'27", in NE ¼ SE ¼ SE ¼ sec.24, T.17 N., R.11 E., Santa Fe County, Hydrologic Unit 13020201, in Santa Fe National Forest, on right bank upstream from flow line of McClure Reservoir, 0.20 mi upstream from McClure Reservoir, 2.3 mi upstream from Nichols Reservoir, and 6.0 mi east of Santa Fe.

PERIOD OF RECORD.--July 1998 to current year.

GAGE.--Water-stage recorder with satellite telemetry and 1.5-ft and 8-ft Parshall flume. Elevation of gage is 7,920 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for those estimated, which are poor. Low flows in 1.5-ft Parshall flume computed under station 08315479.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.2	e1.9	e1.8	e1.1	6.9	8.7	18	47	11	2.1	2.3
2	1.6	1.8	e1.7	e1.1	e1.1	6.7	8.9	18	43	9.2	2.0	3.5
3	1.5	2.0	e1.7	e1.6	e1.2	6.8	12	17	39	5.9	2.0	2.4
4	1.4	2.3	e1.8	e2.0	e1.1	6.8	16	18	35	4.3	2.0	2.2
5	2.9	2.1	e2.0	e2.1	e1.5	7.1	19	22	32	4.1	2.5	1.9
6	3.4	2.1	e2.1	e1.7	e1.7	7.3	18	31	30	4.1	2.8	1.9
7	2.8	2.1	e2.1	e1.3	e1.6	7.0	21	40	28	3.9	2.4	2.6
8	2.4	2.0	e2.2	e1.3	e1.6	7.7	27	37	27	4.0	2.1	3.2
9	2.2	2.0	e2.4	e1.4	e1.3	9.2	29	35	25	3.9	2.7	2.4
10	2.1	2.0	e2.5	e1.4	e1.5	11	24	42	23	4.0	2.8	2.3
11	3.0	2.0	e2.1	e1.7	e2.0	13	18	48	23	3.9	2.2	2.1
12	3.6	1.9	e2.2	e1.5	e1.9	15	15	45	22	4.3	2.6	2.0
13	3.3	1.9	e2.1	e1.2	22	16	16	41	20	4.8	3.1	2.0
14	3.2	1.7	e1.9	e1.2	17	15	23	40	18	4.7	3.7	1.8
15	3.1	2.0	e1.8	e1.4	15	13	37	40	18	4.5	2.9	1.8
16	2.9	1.9	e1.6	e1.3	14	12	57	44	19	4.4	3.6	1.7
17	2.8	1.9	e1.4	e1.8	12	10	69	55	18	4.2	3.1	1.6
18	2.7	1.9	e1.5	e1.9	11	9.1	62	56	17	3.7	2.9	1.5
19	2.5	1.8	e1.5	e1.9	13	8.5	59	57	16	3.1	2.6	1.4
20	2.4	1.8	e1.7	e2.1	14	8.2	51	65	15	3.0	2.6	1.4
21	2.4	1.9	e1.6	e2.2	13	7.9	45	83	14	3.2	2.5	1.3
22	2.6	1.8	e1.2	e2.1	12	7.9	39	97	15	4.3	2.3	1.3
23	2.4	e1.9	e0.90	e1.8	11	8.7	39	104	14	3.7	2.2	1.3
24	2.4	e1.6	e0.80	e2.0	9.9	9.1	44	100	15	3.3	2.1	1.3
25	2.3	e1.5	e1.2	e1.7	9.4	8.8	38	90	15	2.9	2.0	1.2
26	2.4	e1.8	e1.5	e1.6	8.8	8.5	30	82	15	2.8	1.8	1.1
27	2.5	e1.7	e1.6	e1.6	8.1	8.2	26	72	14	2.7	1.6	1.1
28	2.5	e1.7	e1.5	e1.3	7.4	10	25	63	14	2.6	2.3	1.4
29	2.5	e1.9	e1.4	e1.1	---	12	22	59	14	2.4	1.9	7.5
30	2.3	e1.5	e1.9	e1.2	---	11	19	56	13	2.3	1.5	5.3
31	2.3	---	e1.8	e1.2	---	9.8	---	52	---	2.2	1.5	---
TOTAL	78.1	56.7	53.60	49.5	232.3	298.2	917.6	1,627	658	127.4	74.4	64.8
MEAN	2.52	1.89	1.73	1.60	8.30	9.62	30.6	52.5	21.9	4.11	2.40	2.16
MAX	3.6	2.3	2.5	2.2	22	16	69	104	47	11	3.7	7.5
MIN	1.4	1.5	0.80	1.1	1.1	6.7	8.7	17	13	2.2	1.5	1.1
AC-FT	155	112	106	98	461	591	1,820	3,230	1,310	253	148	129

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MEAN	2.01	2.46	1.59	1.44	2.45	4.37	11.1	19.4	8.41	2.62	5.66	2.15
MAX	3.32	5.95	2.82	2.54	8.30	9.62	30.6	52.5	21.9	5.38	23.4	4.19
(WY)	(1999)	(1999)	(2001)	(2001)	(2005)	(2005)	(2005)	(2005)	(2005)	(1998)	(1999)	(1998)
MIN	0.89	0.92	0.85	0.84	0.84	0.90	1.84	1.00	0.45	0.90	0.72	0.72
(WY)	(2002)	(2002)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1998 - 2005

ANNUAL TOTAL	1,674.92	4,237.60	
ANNUAL MEAN	4.58	11.6	5.21
HIGHEST ANNUAL MEAN			11.6
LOWEST ANNUAL MEAN			0.91
HIGHEST DAILY MEAN	33	Apr 9	104
LOWEST DAILY MEAN	0.55	Sep 17	0.80
ANNUAL SEVEN-DAY MINIMUM	0.69	Sep 12	1.1
MAXIMUM PEAK FLOW			113
MAXIMUM PEAK STAGE			2.05
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	3,320	8,410	3,770
10 PERCENT EXCEEDS	16	37	14
50 PERCENT EXCEEDS	1.9	2.8	1.9
90 PERCENT EXCEEDS	0.90	1.5	0.83

e Estimated

08315500 MCCLURE RESERVOIR NEAR SANTA FE, NM

LOCATION.--Lat 35°41'14", long 105°50'09", in NE ¼ SW ¼ sec.24, T.17 N., R.10 E., Santa Fe County, Hydrologic Unit 13020201, in Santa Fe National Forest, at McClure Dam on Santa Fe River, 2.1 mi upstream from Nichols Reservoir, 5.8 mi east of Santa Fe, and at mile 37.1.

DRAINAGE AREA.--17.4 mi².

PERIOD OF RECORD.--September 1929, July to October 1930, April 1931 to June 1946, September 1947 to current year. Prior to October 1947, published in WSP 1312. Prior to October 1965, month end contents only. Prior to January 1980, at site on outlet tower.

GAGE.--Water-stage recorder. Elevation of gage is 7,790 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1947, nonrecording gages at same site and various datums all referred to the Public Service Co. of New Mexico assumed datum, 165.9 ft lower.

REMARKS.--Reservoir is formed by earthfill dam, completed in 1926, capacity, 561 acre-ft. Raised 3 ft in 1935, capacity, 650 acre-ft, and raised 36.5 ft more in 1947, capacity, 2,615 acre-ft at gage height 96.6 ft, crest of concrete spillway. Between Oct. 1947 and May 1953, varying amounts of sandbag bulkheads were placed on crest of spillway to increase capacity. Between May 1953 and Dec. 1971, spillway was equipped with radial gates that opened automatically, thereby increasing capacity to more than 3,000 acre-ft. Radial gates were removed during 1972, capacity, 2,615 acre-ft. In 1995, modifications to the dam and spillway increased capacity to 3,257 acre-ft. Only the storage of Rio Grande water in excess of 1,061 acre-ft is subject to terms of the Rio Grande Compact. No dead storage.

COOPERATION.--Capacity table provided by Public Service Co. of New Mexico. Supplementary gage readings provided by City of Santa Fe.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,280 acre-ft, June 8, 1997, gage height, 86.03 ft; no contents Jan. 25 to May 8, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,260 acre-ft, May 26, elevation, 7,885.84 ft; minimum, 1,660 acre-ft, Nov. 8-9, elevation, 7,862.64 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,930	1,710	1,670	1,700	1,890	2,380	e2,080	e2,490	e3,250	3,240	2,830	e2,250
2	1,920	1,700	1,670	1,700	1,900	2,380	e2,090	e2,490	e3,250	3,230	2,790	e2,230
3	1,910	1,690	1,670	1,710	1,900	2,380	e2,100	e2,500	e3,250	3,220	2,760	e2,210
4	1,900	1,690	1,670	1,720	1,900	2,380	e2,110	e2,510	e3,250	3,220	2,730	e2,180
5	1,900	1,680	1,670	1,730	1,910	2,380	e2,130	e2,520	e3,250	3,210	2,700	e2,170
6	1,890	1,670	1,670	1,740	1,910	2,390	e2,140	e2,520	e3,250	3,200	2,670	e2,140
7	1,880	1,660	1,670	1,750	1,910	2,380	e2,150	e2,530	e3,250	3,190	2,640	e2,130
8	1,880	1,660	1,670	1,750	1,920	2,370	e2,160	e2,540	e3,250	3,180	2,600	e2,110
9	1,870	1,660	1,670	1,760	1,920	2,360	e2,180	e2,540	e3,250	3,170	2,590	e2,090
10	1,860	1,660	1,670	1,770	1,920	2,360	e2,190	e2,550	e3,250	3,160	2,580	e2,070
11	1,850	1,660	1,670	1,770	1,920	2,370	e2,200	e2,550	e3,250	3,150	2,580	e2,050
12	1,850	1,660	1,670	1,780	1,990	2,380	e2,210	e2,560	e3,250	3,140	2,570	e2,030
13	1,850	1,660	1,670	1,790	2,050	2,400	e2,220	e2,560	e3,250	3,140	2,570	e2,020
14	1,840	1,660	1,670	1,800	2,100	2,390	e2,240	e2,570	e3,250	3,120	2,560	e2,010
15	1,830	1,660	1,670	1,810	2,130	2,380	2,270	e2,570	e3,250	3,090	2,550	e2,000
16	1,830	1,660	1,670	1,810	2,160	2,380	2,360	e2,640	e3,250	3,060	2,550	e1,990
17	1,820	1,660	1,670	1,810	2,190	2,390	e2,450	e2,810	e3,250	3,030	2,540	e1,980
18	1,810	1,660	1,670	1,820	2,210	2,390	e2,470	e2,960	e3,250	3,010	2,530	e1,970
19	1,810	1,660	1,670	1,820	2,240	2,380	e2,480	e3,120	e3,250	3,000	2,520	e1,960
20	1,800	1,660	1,670	1,830	2,280	2,350	e2,480	e3,190	e3,250	2,990	2,520	e1,950
21	1,790	1,660	1,670	1,830	2,310	2,320	e2,480	e3,200	e3,250	2,980	2,510	e1,940
22	1,790	1,660	1,670	1,840	2,330	2,300	e2,480	e3,210	e3,250	2,970	2,490	e1,930
23	1,780	1,670	1,680	1,840	2,340	2,270	e2,480	e3,220	3,250	2,960	2,470	e1,920
24	1,770	1,670	1,680	1,850	2,350	2,250	e2,480	e3,250	3,250	2,950	2,450	e1,910
25	1,760	1,670	1,670	1,850	2,370	2,230	e2,480	e3,250	3,250	2,930	2,420	e1,900
26	1,760	1,670	1,670	1,860	2,370	2,200	e2,480	e3,260	3,240	2,920	2,400	e1,890
27	1,750	1,670	1,670	1,860	2,380	e2,170	e2,480	e3,260	3,250	2,910	2,370	e1,880
28	1,740	1,670	1,670	1,870	2,380	e2,150	e2,490	e3,260	3,240	2,900	2,350	e1,870
29	1,740	1,670	1,680	1,880	---	e2,130	e2,490	e3,260	3,240	2,880	e2,320	e1,870
30	1,730	1,670	1,690	1,880	---	e2,100	e2,490	e3,260	3,240	2,870	e2,290	e1,880
31	1,720	---	1,690	1,890	---	e2,070	---	e3,260	---	2,850	e2,270	---
MAX	1,930	1,710	1,690	1,890	2,380	2,400	2,490	3,260	3,250	3,240	2,830	2,250
MIN	1,720	1,660	1,670	1,700	1,890	2,070	2,080	2,490	3,240	2,850	2,270	1,870
(+)	7,863.67	7,862.87	7,863.21	7,866.41	7,873.96	e7,869.37	e7,875.47	e7,885.77	7,885.57	7,880.42	e7,872.31	e7,866.23
(++)	-220	-50	+20	+200	+490	-310	+420	+770	-20	-390	-580	-390
CAL YR	2004	MAX 3,260	MIN 1,540	(++)+150								
WTR YR	2005	MAX 3,260	MIN 1,660	(++)+160								

(+)Elevation, in feet, at end of month.

(++)Change, in contents, in acre-feet.

e Estimated

08316000 SANTA FE RIVER NEAR SANTA FE, NM

LOCATION.--Lat 35°41'16", long 105°50'37", in NE ¼ SE ¼ sec.23, T.17 N., R.10 E., Santa Fe County, Hydrologic Unit 13020201, in Santa Fe National Forest, on left bank 0.4 mi downstream from McClure Dam, 5.3 mi east of Santa Fe, and at mile 36.6.

DRAINAGE AREA.--18.2 mi².

PERIOD OF RECORD.--June 1910, January 1913 to current year. Monthly discharge only for some periods, published in WSP 1312. Prior to October 1953, published as "Santa Fe Creek near Santa Fe."

REVISED RECORDS.--WSP 1512: 1933, 1936-37(M), 1942, drainage area. WSP 1732: 1923, 1925. WDR NM-75-1: 1927.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 7,720 ft above NGVD of 1929, from topographic map. See WSP 1312 for history of changes prior to Oct. 1, 1947.

REMARKS.--Records good. Flow regulated by McClure Reservoir (station 08315500), completed in 1926, raised in 1935, 1947, and again in 1989.

EXTREMES OUTSIDE PERIOD OF RECORD.--Peaks that probably exceeded 1,000 ft³/s occurred Aug. 19, 1872, and Sept. 29 or 30, 1904. Without regulation, the flood of Sept. 23, 1929, might have exceeded 1,500 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	5.4	1.8	1.7	1.7	7.6	21	43	42	8.8	14	12
2	5.9	5.3	1.8	1.7	1.5	7.5	21	36	39	8.8	17	12
3	5.7	5.3	1.8	1.7	1.4	7.5	21	27	37	8.7	17	12
4	5.7	5.3	1.8	1.9	2.2	7.5	21	25	35	8.7	17	12
5	5.8	5.3	1.8	2.0	2.9	7.5	21	23	32	8.8	17	12
6	5.7	5.3	1.8	1.8	3.0	7.5	21	20	30	8.8	17	12
7	5.7	5.2	1.8	1.7	3.0	11	21	19	29	8.7	17	12
8	5.7	3.6	1.8	1.7	3.0	14	21	19	28	8.7	17	12
9	5.6	1.8	1.8	1.7	3.0	14	21	19	27	8.7	10	12
10	5.6	1.7	1.8	1.8	3.2	14	21	18	26	8.7	6.1	12
11	5.7	1.7	1.8	1.8	3.6	14	21	17	24	8.7	6.2	12
12	5.7	1.7	1.8	1.8	6.4	14	23	17	24	8.7	6.2	9.2
13	5.7	1.7	1.8	1.8	6.6	14	25	17	20	8.8	6.1	6.5
14	5.7	1.7	1.8	1.8	6.3	14	24	18	20	15	6.1	6.4
15	5.6	1.8	1.8	1.8	6.5	14	23	18	19	19	6.1	6.4
16	5.6	1.8	1.8	1.7	6.9	14	23	21	20	19	6.0	6.3
17	5.6	1.7	1.8	1.7	7.0	14	23	25	19	19	6.1	6.3
18	5.6	1.7	1.8	1.7	7.0	18	23	38	18	13	6.0	6.3
19	5.6	1.7	1.8	1.7	7.8	23	33	45	17	10	6.0	6.3
20	5.8	1.8	1.8	1.7	8.2	22	41	57	17	10	6.0	6.3
21	5.4	1.8	1.8	1.7	7.9	22	41	65	16	9.6	6.0	6.3
22	5.5	1.8	1.8	1.7	7.8	22	41	64	16	9.5	9.9	6.3
23	5.4	1.8	1.8	1.7	7.9	22	41	64	12	9.6	13	6.2
24	5.4	1.8	1.8	1.7	7.9	22	41	63	12	9.5	13	6.2
25	5.4	1.8	1.8	1.7	7.8	22	41	66	12	9.6	13	6.2
26	5.4	1.8	1.8	1.7	7.7	22	45	59	11	9.5	12	6.3
27	5.4	1.8	1.8	1.7	7.7	22	46	59	10	9.1	12	6.3
28	5.4	1.8	1.8	1.7	7.7	22	44	54	9.5	9.1	12	6.3
29	5.4	1.8	1.9	1.7	---	22	43	50	9.1	9.1	12	6.5
30	5.4	1.8	1.8	1.7	---	22	43	47	8.8	9.1	12	6.3
31	5.4	---	1.7	1.7	---	21	---	45	---	9.1	12	---
TOTAL	173.4	79.5	55.8	53.9	153.6	500.1	895	1,158	639.4	321.4	336.8	254.9
MEAN	5.59	2.65	1.80	1.74	5.49	16.1	29.8	37.4	21.3	10.4	10.9	8.50
MAX	5.9	5.4	1.9	2.0	8.2	23	46	66	42	19	17	12
MIN	5.4	1.7	1.7	1.7	1.4	7.5	21	17	8.8	8.7	6.0	6.2
AC-FT	344	158	111	107	305	992	1,780	2,300	1,270	637	668	506

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

MEAN	4.77	2.90	2.38	2.22	2.60	4.74	12.3	22.7	17.1	9.30	8.44	6.77
MAX	22.6	13.5	7.19	6.87	14.2	30.0	68.5	92.9	75.2	56.2	74.0	36.0
(WY)	(1942)	(1942)	(1959)	(1970)	(1916)	(1916)	(1915)	(1941)	(1921)	(1919)	(1921)	(1929)
MIN	0.07	0.05	0.02	0.04	0.04	0.08	0.02	0.53	0.70	0.25	0.03	0.05
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2002)	(1955)	(1955)	(2002)	(2002)	(2002)

08316000 SANTA FE RIVER NEAR SANTA FE, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1913 - 2005	
ANNUAL TOTAL	1,679.59		4,621.8			
ANNUAL MEAN	4.59		12.7		8.02	
HIGHEST ANNUAL MEAN					26.2	1919
LOWEST ANNUAL MEAN					1.84	2002
HIGHEST DAILY MEAN	28	May 9	66	May 25	378	Sep 23, 1929
LOWEST DAILY MEAN	0.03	Jan 9	1.4	Feb 3	a0.00	Aug 2, 2000
ANNUAL SEVEN-DAY MINIMUM	0.04	Jan 9	1.6	Jan 28	0.00	Aug 2, 2000
MAXIMUM PEAK FLOW			72	May 25	b1,500	Aug 14, 1921
MAXIMUM PEAK STAGE			2.80	May 25	c5.17	Aug 14, 1921
INSTANTANEOUS LOW FLOW			0.50	Aug 9	0.00	Aug 2, 2000
ANNUAL RUNOFF (AC-FT)	3,330		9,170		5,810	
10 PERCENT EXCEEDS	9.3		27		18	
50 PERCENT EXCEEDS	5.3		7.8		4.1	
90 PERCENT EXCEEDS	0.06		1.8		0.90	

a Many days.

b From rating curve extended above 150 ft³/s.

c Site and datum then in use.

08316500 NICHOLS RESERVOIR NEAR SANTA FE, NM

LOCATION.--Lat 35°41'22", long 105°52'48", in SE ¼ NE ¼ sec.21, T.17 N., R.10 E., Santa Fe County, Hydrologic Unit 13020201, in Santa Fe National Forest, at Nichols Dam on Santa Fe River, 0.6 mi east of Two Mile Reservoir, 3.3 mi east of Santa Fe, and at mile 34.4.

DRAINAGE AREA.--22.8 mi².

PERIOD OF RECORD.--March 1943 to September 1965 (monthend contents only), October 1965 to current year. Prior to January 1980 at site on outlet tower.

GAGE.--Water-stage recorder. Datum of gage is 7,313.2 ft above NGVD of 1929.

REMARKS.--Reservoir is formed by earthfill dam. No contents prior to Mar. 16, 1943. Capacity, 685 acre-ft between gage heights 121.2 ft, bottom of lower operational gate, and 167.0 ft, crest of spillway. Dead storage, 14 acre-ft. Water is for municipal use of City of Santa Fe.

COOPERATION.--Survey to compute capacity table and supplementary gage readings provided by Sangre de Cristo Water Co. and City of Santa Fe.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 836 acre-ft, June 8, 1952, gage height, 171.8 ft; minimum, 16 acre-ft, Feb. 11 to Mar. 10, 1944, Feb. 1-19, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 700 acre-ft, May 25, gage height, 167.48 ft; minimum, 220 acre-ft, Feb. 5, gage height, 146.14 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	493	578	441	275	251	689	691	693	694	664	555	534
2	491	582	435	270	e234	688	691	689	693	661	561	540
3	489	586	429	266	e231	687	692	688	693	658	568	551
4	487	589	423	270	227	687	692	686	693	656	575	562
5	488	590	417	275	220	687	691	690	692	653	582	572
6	491	591	411	276	223	686	691	677	691	649	594	582
7	497	591	405	276	226	689	691	658	691	644	613	593
8	502	590	399	275	230	689	691	641	691	636	627	603
9	508	587	393	274	233	689	691	654	691	624	627	611
10	512	583	387	274	232	690	691	660	690	617	613	616
11	519	579	382	276	231	690	690	665	691	614	600	623
12	524	574	376	279	288	690	691	670	689	611	587	625
13	530	566	370	281	345	691	689	672	689	610	584	622
14	535	558	365	282	383	690	688	670	689	618	583	617
15	541	550	360	281	413	689	688	664	689	634	579	614
16	546	542	355	280	440	688	689	666	689	651	569	610
17	551	533	350	278	463	689	689	676	688	668	556	604
18	555	525	345	276	485	691	688	694	688	673	543	597
19	557	516	340	275	521	691	693	694	688	670	536	591
20	556	509	334	272	560	691	692	698	688	666	529	585
21	557	501	330	270	587	691	692	697	688	657	520	579
22	557	492	325	268	608	691	692	697	688	644	515	571
23	557	487	319	265	626	692	692	697	684	635	516	560
24	559	481	314	263	649	692	692	698	682	627	518	550
25	564	476	308	260	671	692	692	699	677	620	522	543
26	570	470	303	257	689	691	694	697	670	611	522	537
27	574	464	297	256	689	692	693	698	668	601	521	531
28	577	458	292	253	688	693	693	697	670	590	522	525
29	574	453	288	251	---	692	693	696	669	579	526	525
30	572	447	285	256	---	692	693	696	667	569	530	524
31	574	---	279	258	---	691	---	695	---	557	530	---
MAX	577	591	441	282	689	693	694	699	694	673	627	625
MIN	487	447	279	251	220	686	688	641	667	557	515	524
(+)	163.11	158.10	150.01	148.66	167.10	167.20	167.25	167.31	166.38	162.47	161.44	161.22
(++)	+79	-127	-168	-21	+430	+3	+2	+2	-28	-110	-27	-6
CAL YR	2004	MAX 694	MIN 279	(++) -230								
WTR YR	2005	MAX 699	MIN 220	(++) +29								

(+)Elevation, in feet, at end of month.
(++)Change in contents, in acre-feet.
e Estimated

08317200 SANTA FE RIVER ABOVE COCHITI LAKE, NM

LOCATION.--Lat 35°32'50", long 106°13'44", in NW¹/₄ sec.8, T.15 N., R.7 E., Santa Fe County, Hydrologic Unit 13020201 in Mesita de Juana Lopez Grant, on right bank at foot of La Bajada Hill, 5.0 mi upstream from Cochiti Dam, 6.3 mi east of Pena Blanca, and at mile 7.9.

DRAINAGE AREA.--231 mi².

PERIOD OF RECORD.--March 1970 to September 1999, March 2004 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,505 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records good. Surface and ground-water diversions and returns for municipal supply of City of Santa Fe in upper part of basin. Diversions for irrigation of about 400 acres upstream from station. See tabulation below for the results of discharge measurements made during year at point adjacent to gage of an unnamed ditch on right bank which diverts water 0.4 mi upstream and bypasses gage; ditch flow not included in record. Lowest flow for period of record, no flow July 16-18, 1971.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	6.6	e12	12	11	15	30	32	37	0.19	e0.15	e0.21
2	4.0	6.0	e12	12	11	14	28	35	33	0.17	e0.18	e14
3	2.3	5.7	e12	12	12	14	29	25	28	0.20	e0.19	2.3
4	3.0	4.6	e12	17	11	13	29	21	24	0.17	e0.18	1.6
5	5.5	6.1	12	18	11	11	30	21	23	0.20	e0.19	3.0
6	8.3	6.2	13	12	11	19	28	20	21	0.30	e0.21	3.2
7	3.6	6.5	12	12	11	16	26	21	18	e0.15	e0.19	2.3
8	3.4	6.6	12	12	10	18	27	21	17	e0.12	e0.24	5.0
9	3.4	4.9	12	11	10	20	32	17	14	e0.14	e0.19	3.3
10	3.6	6.2	12	11	11	20	31	10	15	0.28	e0.18	3.0
11	5.4	6.1	11	11	11	19	29	8.8	14	e0.14	e0.15	3.0
12	7.4	6.9	11	11	18	20	28	11	9.6	0.25	e3.7	3.0
13	6.9	6.7	11	11	15	21	31	9.5	7.4	e0.12	5.3	1.3
14	12	7.6	11	11	12	23	31	9.1	5.7	0.25	1.7	0.97
15	4.9	8.8	11	10	11	30	31	11	3.8	e0.10	2.2	e1.7
16	4.4	8.2	11	11	12	33	33	12	2.5	e0.03	3.0	2.1
17	4.4	8.0	11	11	11	28	43	9.7	1.2	e0.03	2.6	e0.42
18	4.7	8.2	11	11	12	28	35	7.8	1.2	e0.03	e1.7	e0.57
19	4.3	9.0	11	11	17	33	32	24	0.83	2.8	e0.63	e0.24
20	4.4	9.9	11	11	20	34	44	31	0.52	e0.10	e0.18	e0.10
21	4.0	11	11	11	15	34	53	50	3.4	e0.05	e0.17	e0.90
22	4.0	16	11	11	14	32	39	58	13	e0.12	e0.17	e0.17
23	4.6	19	e11	11	14	32	40	54	2.4	0.17	e0.27	e0.00
24	5.4	15	e12	11	17	33	48	54	0.98	0.32	e0.33	e0.00
25	5.7	14	e12	11	14	36	36	64	1.1	0.23	e0.15	e0.00
26	4.8	12	e10	11	12	39	35	71	1.7	0.20	e0.12	e0.71
27	4.9	12	11	12	13	35	36	63	2.2	e0.15	e0.14	e0.00
28	5.3	12	12	14	17	34	36	60	1.3	1.1	e0.70	e0.00
29	5.2	e11	11	11	---	36	34	58	0.72	0.26	e1.9	e29
30	5.1	e12	14	13	---	37	35	52	0.51	0.65	e1.3	9.9
31	6.4	---	12	12	---	29	---	44	---	e0.18	e0.46	---
TOTAL	155.4	272.8	358	366	364	806	1,019	984.9	304.06	9.20	28.77	91.99
MEAN	5.01	9.09	11.5	11.8	13.0	26.0	34.0	31.8	10.1	0.30	0.93	3.07
MAX	12	19	14	18	20	39	53	71	37	2.8	5.3	29
MIN	2.3	4.6	10	10	10	11	26	7.8	0.51	0.03	0.12	0.00
AC-FT	308	541	710	726	722	1,600	2,020	1,950	603	18	57	182

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	7.71	9.30	10.5	10.4	10.5	11.5	20.7	18.0	14.0	8.43	7.51	7.29
MEAN	7.71	9.30	10.5	10.4	10.5	11.5	20.7	18.0	14.0	8.43	7.51	7.29
MAX	16.4	15.5	15.4	14.6	16.6	28.6	306	69.3	75.3	28.0	32.8	19.2
(WY)	(1986)	(1995)	(1997)	(1997)	(1992)	(1992)	(1992)	(1973)	(1979)	(1971)	(1991)	(1990)
MIN	3.98	5.53	6.84	6.51	7.17	6.15	3.64	1.60	0.33	0.30	0.77	1.12
(WY)	(1980)	(1980)	(1971)	(1971)	(1971)	(1971)	(1971)	(1970)	(2004)	(2005)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2005 WATER YEAR

WATER YEARS 1970 - 2005

ANNUAL TOTAL	4,760.12	
ANNUAL MEAN	13.0	11.6
HIGHEST ANNUAL MEAN		40.1
LOWEST ANNUAL MEAN		6.09
HIGHEST DAILY MEAN	71	1,000
LOWEST DAILY MEAN	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.12	0.01
MAXIMUM PEAK FLOW	165	11,400
MAXIMUM PEAK STAGE	2.16	9.58
INSTANTANEOUS LOW FLOW	0.00	0.00
ANNUAL RUNOFF (AC-FT)	9,440	8,400
10 PERCENT EXCEEDS	33	17
50 PERCENT EXCEEDS	11	8.3
90 PERCENT EXCEEDS	0.19	3.1

e Estimated

08317300 COCHITI LAKE NEAR COCHITI PUEBLO, NM

LOCATION.--Lat 35°37'01", long 106°18'58", in NW ¼ SW ¼ sec.16, T.16 N., R.6 E., Sandoval County, Hydrologic Unit 13020201, in Pueblo de Cochiti Grant, in control tower at Cochiti Dam, 1.7 mi northeast of Cochiti Pueblo, and at mile 1,588.1.

DRAINAGE AREA.--14,900 mi² approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--November 1973 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 15, 1975, at site 1.3 mi upstream at same datum.

REMARKS.--Lake is formed by an earthfill dam on Rio Grande and Santa Fe River. Storage began on Nov. 12, 1973. Capacity, based on capacity table effective Jan. 1, 1999, 502,330 acre-ft between elevations 5,247.0 ft and 5,450.0 ft, crest of service spillway. Dead storage 560 acre-ft below elevation 5,255.0 ft, invert of outlet structure. Lake was created primarily for flood and sediment control. A 50,000-acre-ft permanent pool is authorized for recreational purposes.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 301,000 acre-ft, July 3, 1986, elevation, 5,417.32 ft; no storage prior to Nov. 12, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 95,370 acre-ft, June 1, elevation, 5,364.64 ft; minimum, 47,990 acre-ft, Sept. 14, elevation, 5,338.99 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(based on survey by U.S. Army Corps of Engineers in 1998)

Elevation	Contents	Elevation	Contents	Elevation	Contents
5,338	46,900	5,340	49,140	5,360	91,360
5,339	48,000	5,350	63,850	5,370	109,140

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49,610	50,000	49,350	49,560	50,070	49,920	50,260	55,860	95,370	49,680	48,470	48,510
2	49,780	49,890	49,320	49,560	50,000	49,560	50,230	53,810	94,700	49,770	48,310	48,780
3	49,860	49,830	49,350	49,470	49,860	49,570	50,190	52,170	93,620	49,950	48,280	48,690
4	49,830	49,720	49,430	49,450	49,760	49,710	50,280	51,140	92,060	49,830	48,440	48,380
5	50,300	49,590	49,540	49,290	49,730	49,770	50,390	51,080	90,170	49,600	48,920	48,060
6	50,560	49,670	49,540	49,100	49,740	49,710	50,520	50,890	87,980	49,470	49,280	48,010
7	50,490	50,010	49,370	49,190	49,770	49,730	50,400	50,880	85,600	49,170	49,340	48,220
8	50,170	49,990	49,240	49,440	49,820	49,840	50,140	51,150	82,630	49,110	49,030	48,520
9	49,840	49,730	49,120	49,610	49,880	49,970	50,450	51,850	79,390	49,070	48,490	48,450
10	49,590	49,530	49,060	49,540	49,860	50,020	51,360	52,840	76,630	48,860	48,120	48,380
11	49,500	49,430	49,160	49,530	49,850	50,130	52,080	52,820	74,510	48,750	48,140	48,230
12	49,360	49,290	49,380	49,480	50,000	50,280	52,200	51,870	72,550	48,790	49,300	48,080
13	49,280	49,190	49,470	49,530	50,190	50,490	51,970	51,080	70,590	48,780	50,110	48,010
14	49,380	49,250	49,410	49,480	50,320	50,630	51,420	50,910	68,110	48,670	50,610	47,990
15	49,500	49,380	49,310	49,230	50,260	50,420	51,100	50,840	65,590	48,420	50,440	48,030
16	49,430	49,420	49,290	48,850	50,230	50,270	51,500	50,610	63,350	48,550	49,910	48,130
17	49,320	49,390	49,340	48,570	50,220	50,420	53,140	50,610	61,000	48,410	49,680	48,220
18	49,260	49,490	49,340	48,540	50,190	50,450	54,510	51,600	58,800	48,270	49,350	48,210
19	49,290	49,370	49,350	48,720	50,290	50,300	55,740	51,310	56,760	48,350	48,970	48,150
20	49,350	49,280	49,310	48,910	50,680	50,130	57,320	54,140	55,420	48,510	48,550	48,140
21	49,390	49,220	49,220	49,070	51,000	50,120	58,590	56,320	53,970	48,560	48,300	48,280
22	49,430	49,180	49,100	49,130	51,180	50,120	59,330	59,220	52,560	48,620	48,300	48,400
23	49,470	49,240	49,240	49,260	50,690	50,140	59,320	62,220	51,320	48,680	48,330	48,420
24	49,490	49,190	49,100	49,410	50,120	50,160	60,510	66,160	50,450	48,720	48,540	48,380
25	49,480	49,140	48,670	49,540	49,990	50,140	60,960	70,700	49,500	48,850	48,790	48,310
26	49,440	49,120	48,460	49,710	50,100	50,080	61,110	75,990	49,420	49,050	48,780	48,180
27	49,390	49,100	48,770	49,840	50,100	50,010	61,870	81,320	50,040	49,240	48,570	48,090
28	49,410	49,220	49,170	49,940	50,330	50,160	61,800	86,090	49,900	49,350	48,370	48,320
29	49,550	49,280	49,430	49,990	---	50,380	60,560	89,930	49,620	49,340	48,280	49,820
30	49,900	49,340	49,450	50,050	---	50,390	58,470	92,670	49,740	49,090	48,260	49,770
31	49,990	---	49,560	50,080	---	50,290	---	94,530	---	48,750	48,360	---
MAX	50,560	50,010	49,560	50,080	51,180	50,630	61,870	94,530	95,370	49,950	50,610	49,820
MIN	49,260	49,100	48,460	48,540	49,730	49,560	50,140	50,610	49,420	48,270	48,120	47,990
(+)	5,340.70	5,340.16	5,340.35	5,340.78	5,340.98	5,340.95	5,346.72	5,365.30	5,340.50	5,339.66	5,339.32	5,340.52
(++)	+560	-650	+220	+520	+250	-40	+8,180	+36,060	-44,790	-9,90	-3,90	+1,410
CAL YR	2004	MAX 53,440	MIN 47,720									
WTR YR	2005	MAX 95,370	MIN 47,990									

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-ft.

e Estimated

08317400 RIO GRANDE BELOW COCHITI DAM, NM

LOCATION.--Lat 35°37'04", long 106°19'25", in SW ¼ NE ¼ sec.17, T.16 N., R.6 E., Sandoval County, Hydrologic Unit 13020201, in Pueblo de Cochiti Grant, on right bank 320 ft upstream from bridge on State Highway 22, 700 ft downstream from Cochiti Dam, 1.4 mi northeast of Cochiti Pueblo, and at mile 1,587.6.

DRAINAGE AREA.--14,900 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,226.08 ft above NGVD of 1929 (U.S. Army Corps of Engineers benchmark). Prior to Nov. 14, 1973, at site 2.4 mi downstream at elevation 5,210 ft, from topographic map. Nov. 14, 1973, to Jan. 8, 1976, at site 320 ft downstream at datum 1.79 ft lower.

REMARKS.--Records good. Discharges include flow of Santa Fe River, which is intercepted by Cochiti Dam and released through the combined outlet works. Flow regulated by Cochiti Dam since Nov. 12, 1973. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and about 81,000 acres in New Mexico. Cochiti Eastside Main canal, on left bank, and Sili Main canal, on right bank, head at Cochiti Dam and bypass gage for irrigation of about 6,000 acres downstream from station; see tabulation below for monthly diversions.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 15, 1941, reached a discharge of 23,400 ft³/s at a nearby site upstream from mouth of Santa Fe River. The flood of May 23, 1920, probably exceeded 23,400 ft³/s and is likely the highest since 1905.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	404	350	790	731	807	1,490	949	4,820	6,390	2,350	813	769
2	380	372	649	725	806	1,270	912	4,770	6,670	1,950	810	791
3	292	372	665	773	807	979	911	4,460	6,650	1,730	810	763
4	291	372	713	804	769	840	859	4,170	6,620	1,730	811	742
5	325	378	721	860	739	827	928	4,010	6,590	1,660	814	726
6	362	387	815	836	738	837	978	4,080	6,550	1,540	821	694
7	390	390	925	684	737	771	1,090	4,110	6,520	1,530	822	607
8	443	580	960	591	739	729	1,340	4,110	6,470	1,350	800	563
9	427	706	958	729	736	728	1,440	4,120	6,410	1,220	780	557
10	390	684	958	835	762	732	1,440	4,130	6,090	1,220	778	556
11	338	650	958	836	781	728	1,710	4,930	5,780	1,090	758	555
12	340	650	958	834	789	733	2,100	5,310	5,750	955	690	555
13	291	649	1,010	829	789	734	2,420	5,280	5,700	915	648	556
14	255	648	1,050	828	870	889	2,640	5,270	5,670	914	630	552
15	268	697	1,060	829	928	1,120	2,990	5,270	5,290	889	695	593
16	336	784	1,060	829	928	1,070	3,170	5,280	4,940	857	738	611
17	405	808	1,060	829	927	998	3,180	5,270	4,880	859	736	614
18	356	734	1,060	719	1,020	1,070	3,880	5,280	4,820	817	738	614
19	335	814	1,060	619	1,070	1,110	4,240	5,600	4,780	785	693	633
20	336	809	1,060	595	1,070	1,110	4,420	5,980	4,450	762	665	641
21	335	809	1,060	641	1,070	1,030	4,750	6,030	4,240	750	639	643
22	335	793	1,060	698	1,150	995	4,980	6,090	4,210	751	652	644
23	285	780	852	697	1,410	994	4,980	6,180	4,010	751	692	674
24	267	778	683	700	1,490	994	4,460	6,270	3,750	752	675	691
25	268	779	686	702	1,470	989	4,600	6,140	3,640	732	666	689
26	345	822	686	700	1,440	992	4,960	5,900	3,290	716	701	683
27	343	844	546	766	1,480	994	4,960	6,000	2,960	738	722	662
28	315	852	522	805	1,340	864	4,950	6,100	2,950	749	718	634
29	311	844	583	804	---	858	4,930	6,170	2,820	760	720	807
30	310	843	661	805	---	956	4,880	6,210	2,530	803	744	892
31	311	---	728	805	---	991	---	6,220	---	815	758	---
TOTAL	10,389	19,978	26,557	23,438	27,662	29,422	90,047	163,560	151,420	33,440	22,737	19,711
MEAN	335	666	857	756	988	949	3,002	5,276	5,047	1,079	733	657
MAX	443	852	1,060	860	1,490	1,490	4,980	6,270	6,670	2,350	822	892
MIN	255	350	522	591	736	728	859	4,010	2,530	716	630	552
AC-FT	20,610	39,630	52,680	46,490	54,870	58,360	178,600	324,400	300,300	66,330	45,100	39,100
(+)	1,470	943	0	0	0	1,680	2,240	2,780	2,760	2,710	2,620	2,320
(++)	828	426	0	0	0	1,010	1,930	2,490	2,320	2,040	1,800	1,810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	578	837	870	807	937	1,170	1,910	3,093	2,874	1,566	891	711
MAX	2,045	1,878	1,787	2,245	3,639	2,868	6,320	6,101	6,205	5,643	3,683	1,635
(WY)	(1998)	(1987)	(1987)	(1986)	(1986)	(1986)	(1985)	(1984)	(1983)	(1979)	(1986)	(1986)
MIN	214	331	419	428	444	438	281	353	392	293	254	121
(WY)	(1975)	(1990)	(2003)	(1977)	(2003)	(1977)	(1977)	(1972)	(1972)	(1972)	(1972)	(1974)

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	307,062		618,361			
ANNUAL MEAN	839		1,694		1,354	
HIGHEST ANNUAL MEAN					2,355 1986	
LOWEST ANNUAL MEAN					452 1977	
HIGHEST DAILY MEAN	3,340	May 13	6,670	Jun 2	8,290	May 7, 1985
LOWEST DAILY MEAN	255	Oct 14	255	Oct 14	0.51	Aug 4, 1977
ANNUAL SEVEN-DAY MINIMUM	305	Oct 23	305	Oct 23	39	Sep 16, 1977
MAXIMUM PEAK FLOW			6,770	Jun 1	a10,300	Jul 26, 1971
MAXIMUM PEAK STAGE			5.58	Jun 1	b7.90	Jul 26, 1971
INSTANTANEOUS LOW FLOW			102	Feb 28	c0.51	Aug 4, 1977
ANNUAL RUNOFF (AC-FT)	609,100		1,227,000		981,100	
10 PERCENT EXCEEDS	1,540		4,980		3,440	
50 PERCENT EXCEEDS	620		817		848	
90 PERCENT EXCEEDS	372		418		378	

a From rating curve extended above 2,600 ft³/s.

b Site and datum then in use.

c Aug. 3-5, Aug. 27 and 28, 1978, result of regulation.

(+)Diversion, in acre-feet, by Cochiti Eastside Main Canal at Head.

(++)Diversion, in acre-feet, by Sili Main Canal at Head.

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-84, 1985-88, 2002 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1984, October 1986 to August 1987, September 2000 to July 2001, November 2002 to current year.

WATER TEMPERATURE: July 1971 to September 1982, September 2000 to July 2001, November 2002 to current year.

PH: September 2000 to July 2001, November 2002 to current year.

TURBIDITY: September 2000 to July 2001, November 2002 to current year.

DO: September 2000 to July 2001, November 2002 to current year.

INSTRUMENTATION.--Water-quality monitor Sept. 2000 to July 2001 with hourly data logged. Electronic data logger with 15-minute recording interval, Nov. 2002 to current year. Turbidity reported as NTU prior to water year 2005. NTU and FNU values are equivalent below 300.

REMARKS.--Specific-conductance records rated good Oct. 1 to Aug. 12, Sept. 3 to 30, records fair Aug. 13 to Sept. 2. Water temperature records rated excellent, except Oct. 10, 11. PH records rated good. Turbidity records rated good Oct. 1 to Nov. 2, Nov. 20 to Sept. 30, records rated fair Nov. 3 to 10, records rated poor Nov. 18, 19.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 698 microsiemens, July 19, 1978; minimum daily, 130 microsiemens, July 30, 1978.

WATER TEMPERATURE: Maximum daily, 35.5°, August 4, 1977; minimum daily, freezing point many days during winter months.

PH: Maximum daily, 8.4, Mar. 27 to Apr. 10, 2005; minimum daily, 7.7 several days July and Aug. 2005.

TURBIDITY: Maximum instantaneous, FNU, Aug. 15, 2005; minimum instantaneous, 1.0 FNU, many days.

DISSOLVED OXYGEN: Maximum instantaneous, 15.3 mg/L Dec. 28, 2002; minimum instantaneous, 7.3 mg/L Aug. 15, 2003, Oct. 1, 2, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum instantaneous, 346 microsiemens, November 8; minimum instantaneous, 171 microsiemens, June 3.

WATER TEMPERATURE: Maximum instantaneous, 22.9°, Aug. 5; minimum instantaneous, 2.8°, Dec. 24, 25.

PH: Maximum instantaneous, 8.6 standard units, Mar. 31, Apr. 4 to 6; minimum instantaneous, 7.7 standard units, several days July and Aug.

TURBIDITY: Maximum instantaneous, 93 FNU, Aug. 15; minimum instantaneous, 1.0 FNU, many days.

DO: Maximum and minimum occurred during periods of missing record.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
DEC 09...	1230	966	--	632	12.4	120	8.3	301	8.0	6.0	110	33.7	6.24
FEB 15...	1130	933	2.5	630	12.2	119	8.1	291	15.0	6.0	94	28.9	5.30
JUN 07...	1110	6,590	--	628	9.0	112	7.9	174	27.5	16.5	61	19.6	3.02
JUL 21...	1200	755	35	635	8.2	112	8.1	201	36.5	21.5	75	23.8	3.75

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue, water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)
DEC 09...	2.61	.8	18.5	104	124	1	5.89	.4	21.7	38.5	190	.16	.17
FEB 15...	2.18	.7	15.8	104	125	--	6.16	.4	21.6	33.4	176	.11	.15
JUN 07...	1.92	.3	6.23	61	74	--	2.15	.2	16.3	17.1	103	.29	.39
JUL 21...	2.14	.5	10.3	71	86	--	2.90	.2	18.7	20.3	125	.21	.32

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)
DEC 09...	<.04	E.019	E.04	<.008	<.02	.011	.023	2	<.20	E1	65	<.06	37
FEB 15...	<.04	E.020	.08	<.008	<.02	.012	.019	2	<.20	E1	50	<.06	130
JUN 07...	<.04	E.035	.09	.008	.03	.050	.093	11	<.20	<2	30	<.06	14
JUL 21...	<.04	.120	.07	<.008	.03	.056	.089	3	<.20	E1	44	<.06	17

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)
DEC 09...	<.04	<.8	.106	.8	E5	<.08	3.5	<.01	4.5	.68	<3	<3	<.2
FEB 15...	.05	<.8	.147	.8	E4	E.06	9.1	<.01	3.6	1.60	<3	<3	<.2
JUN 07...	<.04	E.5	.079	1.5	16	.09	4.6	<.01	1.8	1.29	<3	<3	<.2
JUL 21...	<.04	<.8	.089	1.2	E5	<.08	9.7	<.01	2.9	1.46	<3	<3	<.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Suspended sedi-ment concentration mg/L (80154)
DEC 09...	E.4	2.32	89	7
FEB 15...	3.8	2.20	73	4
JUN 07...	1.1	.73	80	15
JUL 21...	1.3	1.05	93	24

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	2,6-Di-ethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyri-fos water, fltrd, ug/L (38933)
DEC 09...	1230	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
JUN 07...	1110	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
JUL 21...	1200	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
DEC 09...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
JUN 07...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
JUL 21...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
DEC 09...	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004
JUN 07...	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004
JUL 21...	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)
DEC 09...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006
JUN 07...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006
JUL 21...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tri-fluralin, water, fltrd 0.7u GF ug/L (82661)
DEC 09...	<.009
JUN 07...	<.009
JUL 21...	<.009

Remark codes used in this table:

< -- Less than.

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.6	18.0	18.3	13.4	13.0	13.3	7.4	6.9	7.2	3.6	3.2	3.4
2	18.4	18.0	18.1	13.3	12.7	13.0	6.9	6.5	6.7	3.4	3.2	3.3
3	18.4	17.9	18.1	12.7	11.9	12.3	6.7	6.3	6.5	3.6	3.3	3.4
4	18.4	17.7	18.0	12.1	11.5	11.8	6.5	6.0	6.2	3.7	3.4	3.6
5	18.0	17.4	17.7	11.9	11.3	11.7	6.1	5.4	5.7	3.8	3.6	3.7
6	17.6	17.1	17.4	11.7	11.3	11.4	5.8	5.4	5.6	3.8	3.5	3.6
7	17.6	17.0	17.3	11.5	11.1	11.3	5.7	5.0	5.4	3.7	3.4	3.5
8	17.6	17.0	17.2	11.6	10.9	11.2	5.7	5.2	5.5	3.7	3.4	3.6
9	17.3	16.8	17.1	11.4	11.1	11.3	5.8	5.4	5.6	3.8	3.5	3.6
10	---	---	---	11.4	11.0	11.2	5.7	5.3	5.5	3.9	3.6	3.7
11	---	---	---	11.2	10.8	11.0	5.3	5.0	5.2	3.9	3.7	3.8
12	17.1	16.6	16.8	11.2	10.7	11.0	5.3	5.0	5.1	3.9	3.6	3.8
13	16.6	16.4	16.5	10.8	10.5	10.7	5.2	4.7	4.9	3.9	3.6	3.7
14	16.8	16.1	16.4	10.6	10.3	10.5	5.3	4.9	5.1	3.9	3.6	3.8
15	16.3	15.7	16.0	10.3	9.9	10.1	5.2	4.9	5.0	4.2	3.7	4.0
16	16.1	15.6	15.8	10.1	9.6	9.9	5.2	4.9	5.1	4.3	4.0	4.2
17	15.9	15.4	15.6	9.8	9.5	9.6	5.0	4.8	4.9	4.4	4.0	4.1
18	15.7	15.3	15.5	9.8	9.4	9.6	5.1	4.8	4.9	4.3	3.9	4.1
19	15.7	15.2	15.4	9.7	9.4	9.5	4.9	4.6	4.8	4.5	4.0	4.2
20	15.6	15.1	15.3	9.7	9.3	9.5	4.9	4.6	4.7	4.5	4.1	4.3
21	15.3	15.0	15.2	9.5	9.2	9.3	4.8	4.7	4.8	4.4	4.1	4.2
22	15.2	14.8	15.0	9.6	9.3	9.4	4.8	4.5	4.7	4.6	4.1	4.3
23	15.2	14.6	14.9	9.5	9.2	9.3	4.5	3.6	3.9	4.5	4.1	4.3
24	14.9	14.4	14.6	9.4	9.2	9.3	3.9	2.8	3.5	4.6	4.2	4.3
25	14.7	14.2	14.4	9.2	9.0	9.1	3.6	2.8	3.1	4.5	4.0	4.2
26	14.6	14.1	14.3	9.0	8.8	8.9	3.5	3.0	3.3	4.7	4.4	4.6
27	14.4	14.1	14.3	8.8	8.4	8.6	3.6	3.0	3.4	4.6	4.5	4.5
28	14.5	14.0	14.2	8.4	7.8	8.3	3.6	3.3	3.4	5.0	4.5	4.7
29	14.4	13.9	14.2	8.0	7.7	7.9	3.4	3.0	3.3	5.3	4.6	4.9
30	14.3	13.8	14.0	7.8	7.4	7.6	3.5	3.2	3.4	4.9	4.4	4.6
31	13.9	13.3	13.7	---	---	---	3.7	3.2	3.5	4.9	4.5	4.7
MONTH	18.6	13.3	15.9	13.4	7.4	10.3	7.4	2.8	4.8	5.3	3.2	4.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.8	4.6	4.7	7.0	6.5	6.7	8.7	8.1	8.4	11.5	11.0	11.3
2	5.0	4.5	4.7	6.9	6.4	6.7	8.6	8.1	8.3	11.4	11.1	11.3
3	5.1	4.6	4.9	6.7	6.3	6.5	8.7	8.2	8.4	11.9	11.3	11.4
4	5.0	4.7	4.9	7.1	6.3	6.6	9.0	8.3	8.6	11.7	11.2	11.4
5	5.1	4.8	4.9	7.3	6.5	6.9	9.8	8.2	9.0	11.6	11.3	11.5
6	5.1	4.7	4.9	7.0	6.5	6.8	10.3	9.1	9.6	12.0	11.1	11.6
7	5.2	4.9	5.0	7.2	6.5	6.8	9.6	9.1	9.3	12.4	11.4	12.1
8	5.2	4.9	5.0	8.0	6.7	7.1	10.3	9.0	9.5	12.6	12.2	12.5
9	5.0	4.6	4.8	7.6	6.8	7.2	9.9	9.2	9.6	12.8	12.3	12.6
10	5.1	4.8	5.0	7.6	6.8	7.1	10.2	9.4	9.8	13.3	12.5	12.9
11	5.1	5.0	5.1	7.7	6.5	7.4	10.1	9.6	9.8	13.5	12.7	13.2
12	5.1	5.0	5.1	8.2	7.0	7.6	10.1	9.7	9.9	13.7	13.0	13.4
13	5.5	5.0	5.1	7.9	6.8	7.4	10.4	9.8	10.1	13.6	13.2	13.4
14	5.6	5.0	5.3	7.8	7.3	7.6	10.7	9.9	10.3	13.9	13.3	13.5
15	5.4	5.0	5.2	8.4	7.6	7.9	10.8	10.1	10.5	13.8	13.1	13.6
16	5.5	5.3	5.4	7.9	7.5	7.7	11.1	10.3	10.7	13.3	13.0	13.2
17	5.9	5.4	5.7	7.7	7.2	7.4	11.9	10.8	11.4	14.1	13.2	13.8
18	6.5	5.9	6.3	7.9	7.2	7.5	11.9	11.2	11.5	14.2	13.8	14.1
19	6.3	5.7	6.0	7.8	7.4	7.6	12.3	11.4	11.8	14.7	14.0	14.4
20	6.1	5.6	5.7	8.0	7.3	7.5	12.3	11.6	12.0	15.0	14.2	14.7
21	6.3	5.8	6.1	8.3	7.4	7.9	12.3	11.9	12.1	15.3	14.6	15.1
22	6.7	6.1	6.3	8.2	7.7	7.9	12.2	11.4	11.9	15.6	15.3	15.4
23	6.6	6.0	6.3	8.4	7.7	7.9	11.9	11.4	11.7	16.1	15.4	15.8
24	6.5	5.9	6.2	8.3	7.8	8.0	12.2	11.7	12.0	16.2	15.6	16.0
25	6.6	6.3	6.4	8.3	7.9	8.0	12.2	11.8	12.0	16.1	15.5	15.9
26	6.6	6.4	6.5	8.4	7.8	8.0	12.0	11.3	11.7	16.2	15.6	16.0
27	6.7	6.3	6.5	8.4	7.8	8.1	11.6	11.2	11.4	16.8	15.9	16.1
28	6.9	6.3	6.4	8.4	7.8	8.2	12.0	11.4	11.6	16.3	15.9	16.1
29	---	---	---	8.9	7.8	8.4	11.8	11.2	11.5	16.1	15.8	16.0
30	---	---	---	8.7	8.0	8.4	11.5	11.1	11.2	16.2	15.8	16.0
31	---	---	---	8.8	8.3	8.5	---	---	---	16.3	16.1	16.2
MONTH	6.9	4.5	5.5	8.9	6.3	7.5	12.3	8.1	10.5	16.8	11.0	13.9

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	321	311	316	339	331	335	306	303	305	309	307	308
2	320	311	316	335	333	334	306	302	304	309	304	308
3	321	314	318	340	335	337	306	300	304	309	306	308
4	321	312	318	342	337	340	305	301	304	309	306	307
5	323	314	319	343	337	340	306	302	304	310	307	309
6	325	316	322	344	340	342	306	300	305	309	306	309
7	320	314	319	345	343	344	307	302	305	309	304	308
8	319	315	318	346	341	344	307	303	305	309	306	308
9	322	317	319	343	339	341	306	303	305	309	306	308
10	---	---	---	343	338	341	306	305	306	308	305	307
11	---	---	---	342	334	338	307	303	306	308	306	307
12	324	320	322	337	332	336	308	305	306	309	306	308
13	327	318	324	338	332	335	310	304	308	308	304	308
14	329	319	324	335	328	333	307	303	306	308	304	306
15	332	327	330	330	326	328	307	303	306	307	301	303
16	333	329	330	329	323	327	307	305	306	303	301	302
17	333	330	331	325	321	324	307	304	306	303	300	302
18	334	329	332	327	312	321	307	301	306	305	299	303
19	335	330	333	325	318	321	307	301	306	306	298	304
20	334	331	332	325	313	318	306	302	305	305	302	304
21	336	332	333	317	308	313	306	304	305	306	302	304
22	338	331	335	319	313	314	306	302	305	305	303	304
23	337	332	335	320	312	317	306	297	301	305	302	304
24	335	331	332	319	316	317	302	297	300	305	302	304
25	333	330	331	318	312	315	301	296	299	306	300	304
26	334	330	332	317	309	313	302	299	300	305	302	303
27	334	332	333	315	306	309	302	300	301	305	301	303
28	336	333	334	308	300	306	302	298	301	303	298	302
29	337	332	334	306	299	304	302	299	301	303	300	302
30	335	333	334	306	303	305	308	300	304	305	300	303
31	339	332	335	---	---	---	308	306	307	304	300	302
MONTH	339	311	327	346	299	326	310	296	304	310	298	305
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	303	300	302	293	284	290	284	280	282	229	225	228
2	303	298	301	295	289	292	285	279	282	230	226	228
3	301	298	300	295	287	293	284	278	282	232	230	231
4	301	296	299	294	291	293	284	280	282	237	231	233
5	302	299	301	298	291	295	283	279	281	238	234	236
6	302	299	301	298	295	296	281	273	279	237	234	235
7	302	297	301	299	295	297	282	276	280	235	233	234
8	301	299	300	299	293	297	282	274	279	235	232	234
9	301	297	299	299	295	298	280	276	279	234	226	230
10	301	297	299	301	293	297	281	276	279	229	223	226
11	299	296	298	299	292	295	279	277	278	225	223	224
12	301	297	299	297	293	295	279	276	278	223	212	220
13	301	298	299	296	294	295	279	273	276	214	204	211
14	300	296	299	296	293	295	275	271	274	209	200	204
15	299	298	299	295	291	294	275	271	273	209	201	205
16	300	298	299	296	294	295	275	271	273	202	197	200
17	299	297	298	295	290	293	276	271	275	203	199	201
18	297	292	294	294	290	292	275	264	272	203	198	201
19	298	293	296	293	291	292	272	263	267	201	194	197
20	299	297	298	292	288	291	268	258	263	195	190	192
21	297	294	296	291	287	289	262	252	257	193	190	192
22	294	289	293	289	286	287	253	241	248	192	187	189
23	296	288	292	291	287	289	245	238	242	191	185	187
24	297	291	294	291	287	288	243	235	240	189	180	184
25	293	286	290	290	286	288	241	234	239	183	175	179
26	287	282	285	288	285	287	236	223	231	178	173	176
27	291	283	287	287	284	286	231	223	228	179	176	177
28	296	287	290	287	284	285	233	227	229	178	176	177
29	---	---	---	286	280	283	232	226	228	177	173	176
30	---	---	---	286	282	284	228	225	227	177	173	175
31	---	---	---	285	279	283	---	---	---	176	173	175
MONTH	303	282	297	301	279	291	285	223	263	238	173	205

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	8.3	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
2	8.3	8.1	8.2	8.4	8.2	8.2	8.4	8.2	8.2	8.2	8.2	8.2
3	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2	8.3	8.2	8.2
4	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
5	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.2	8.1	---
6	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
7	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
8	8.3	8.2	---	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2
9	8.2	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
10	---	---	---	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
11	---	---	---	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
12	8.3	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
13	8.3	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2
14	8.3	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2
15	8.2	8.1	8.1	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
16	8.2	8.1	8.1	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
17	8.2	8.1	8.1	8.3	8.2	8.2	8.3	8.2	---	8.3	8.2	8.2
18	8.2	8.1	8.1	8.4	8.2	8.2	8.3	8.2	---	8.4	8.2	8.2
19	8.2	8.1	8.1	8.3	8.2	---	8.3	8.2	8.2	8.4	8.2	8.2
20	8.1	8.2	---	8.3	8.2	8.3	8.3	8.2	8.2	8.4	8.2	8.2
21	8.2	8.1	8.1	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	---
22	8.2	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2
23	8.2	8.1	8.1	8.3	8.2	8.2	8.4	8.2	8.2	8.4	8.2	8.2
24	8.3	8.1	8.2	8.3	8.2	8.2	8.4	8.2	8.2	8.4	8.2	8.2
25	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2	8.4	8.2	8.2
26	8.2	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2	8.4	8.2	8.2
27	8.2	8.1	8.2	8.3	8.2	8.2	8.4	8.2	8.2	8.3	8.2	8.2
28	8.3	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2
29	8.3	8.1	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2
30	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.2	8.2	8.3	8.2	8.2
31	8.3	8.2	8.2	---	---	---	8.3	8.2	8.2	8.3	8.2	8.2
MAX	---	---	---	8.4	8.2	---	8.4	8.2	---	8.4	8.2	---
MIN	---	---	---	8.3	8.2	---	8.3	8.2	---	8.2	8.1	---
	FEBRUARY			MARCH			APRIL			MAY		
1	8.3	8.2	8.2	8.3	8.1	8.2	8.5	8.3	8.3	8.0	8.0	8.0
2	8.3	8.2	8.2	8.2	8.1	8.2	8.5	8.3	8.3	8.0	8.0	8.0
3	8.3	8.2	8.2	8.2	8.1	8.1	8.5	8.3	8.3	8.0	8.0	8.0
4	8.3	8.2	8.2	8.2	8.1	8.1	8.6	8.3	8.4	8.0	8.0	8.0
5	8.3	8.2	8.2	8.2	8.1	8.2	8.6	8.3	8.4	8.0	8.0	8.0
6	8.3	8.2	8.2	8.2	8.1	8.1	8.6	8.3	8.3	8.0	8.0	8.0
7	8.3	8.2	8.2	8.3	8.1	8.1	8.5	8.3	8.3	8.0	8.0	8.0
8	8.3	8.2	8.2	8.3	8.1	8.2	8.4	8.3	8.3	8.0	8.0	8.0
9	8.3	8.2	8.2	8.3	8.1	8.2	8.4	8.3	8.4	8.0	8.0	8.0
10	8.3	8.2	8.2	8.3	8.1	---	8.4	8.3	8.4	8.0	8.0	8.0
11	8.3	8.2	8.2	8.4	8.1	8.2	8.4	8.3	8.3	8.0	8.0	8.0
12	8.3	8.2	8.2	8.4	8.2	8.2	8.4	8.3	8.3	8.0	8.0	8.0
13	8.3	8.2	8.2	8.4	8.1	8.2	8.4	8.2	8.3	8.0	8.0	8.0
14	8.3	8.2	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.0	8.0	8.0
15	8.3	8.2	8.2	8.4	8.2	8.3	8.3	8.2	8.2	8.0	8.0	8.0
16	8.3	8.2	8.2	8.3	8.2	8.3	8.3	8.2	8.2	8.0	8.0	8.0
17	8.3	8.2	8.2	8.4	8.2	8.2	8.2	8.2	8.2	8.0	8.0	8.0
18	8.2	8.2	8.2	8.3	8.2	8.3	8.2	8.0	8.2	8.0	8.0	8.0
19	8.3	8.2	8.2	8.4	8.2	8.2	8.1	8.0	8.1	8.0	8.0	8.0
20	8.3	8.2	8.2	8.3	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.0
21	8.3	8.2	8.2	8.4	8.2	8.3	8.1	8.1	8.1	8.0	8.0	8.0
22	8.3	8.2	8.2	8.4	8.2	8.3	8.1	8.1	8.1	8.0	8.0	8.0
23	8.2	8.2	8.2	8.5	8.2	8.3	8.1	8.1	8.1	8.0	8.0	8.0
24	8.2	8.2	8.2	8.5	8.2	8.3	8.1	8.1	8.1	8.0	8.0	8.0
25	8.2	8.1	8.2	8.5	8.2	8.3	8.1	8.1	8.1	8.0	8.0	8.0
26	8.2	8.1	8.1	8.5	8.2	8.3	8.1	8.1	8.1	8.1	8.0	8.0
27	8.2	8.1	8.2	8.5	8.2	8.3	8.1	7.9	8.1	8.0	8.0	8.0
28	8.3	8.1	8.2	8.5	8.2	8.3	8.0	8.0	8.0	8.0	8.0	8.0
29	---	---	---	8.5	8.2	---	8.0	8.0	8.0	8.0	8.0	8.0
30	---	---	---	8.5	8.2	8.3	8.0	8.0	8.0	8.0	8.0	8.0
31	---	---	---	8.6	8.3	8.3	---	---	---	8.0	7.9	8.0
MAX	8.3	8.2	8.2	8.6	8.3	---	8.6	8.3	8.4	8.1	8.0	8.0
MIN	8.2	8.1	8.1	8.2	8.1	---	8.0	7.9	8.0	8.0	7.9	8.0

RIO GRANDE BASIN

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	8.0	7.9	8.0	7.9	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.9
2	8.0	7.9	8.0	7.9	7.8	7.9	7.9	7.7	7.8	8.0	7.8	---
3	8.0	7.9	7.9	8.0	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.9
4	8.0	7.9	7.9	7.9	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.9
5	8.0	7.9	7.9	8.0	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.9
6	8.0	7.9	7.9	8.0	7.8	7.9	7.8	7.7	7.8	8.0	7.8	7.9
7	8.0	7.9	7.9	8.0	7.8	7.9	7.8	7.7	7.8	8.0	7.8	7.9
8	8.0	7.9	7.9	8.0	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.9
9	7.9	7.9	---	8.0	7.8	7.9	7.8	7.7	7.8	8.0	7.8	7.9
10	7.9	7.8	7.9	8.0	7.8	7.9	7.8	7.7	7.7	8.1	7.8	7.9
11	7.9	7.8	7.9	8.0	7.8	7.9	7.8	7.7	7.8	8.0	7.8	7.9
12	7.9	7.8	7.9	8.0	7.8	7.9	7.9	7.7	7.8	8.1	7.9	8.0
13	7.9	7.8	---	8.0	7.8	7.9	7.8	7.6	7.8	8.1	7.8	7.9
14	7.9	7.9	7.9	8.0	7.8	7.9	7.9	7.8	7.8	8.1	7.9	8.0
15	8.0	7.9	7.9	8.0	7.8	---	7.9	7.8	7.8	8.1	8.0	8.0
16	7.9	7.9	7.9	8.0	7.8	7.9	8.0	7.8	7.8	8.1	7.9	8.0
17	7.9	7.9	7.9	8.0	7.8	7.9	7.9	7.8	7.8	8.1	7.9	8.0
18	7.9	7.9	7.9	8.0	7.8	7.9	8.0	7.8	7.8	8.1	7.9	8.0
19	7.9	7.9	7.9	8.1	7.8	7.9	7.9	7.8	7.8	8.1	7.9	8.0
20	7.9	7.8	---	8.0	7.6	---	7.9	7.8	7.8	8.1	7.9	8.0
21	7.8	7.8	7.8	7.9	7.6	7.7	8.0	7.8	7.8	8.1	7.9	8.0
22	7.8	7.8	7.8	7.9	7.6	7.7	7.9	7.7	7.8	8.0	7.9	8.0
23	7.8	7.8	7.8	7.8	7.7	7.7	7.9	7.8	7.8	8.1	7.9	8.0
24	7.8	7.8	7.8	7.9	7.6	7.7	7.8	7.7	7.8	8.0	7.8	7.9
25	7.8	7.8	---	7.9	7.6	7.7	7.9	7.7	7.8	8.1	7.9	7.9
26	7.8	7.8	7.8	7.8	7.7	7.7	7.9	7.8	7.8	8.0	7.8	7.9
27	7.8	7.8	7.8	7.9	7.7	7.7	8.0	7.8	7.8	8.1	7.9	8.0
28	7.9	7.8	7.8	7.9	7.7	7.7	8.0	7.8	7.9	8.1	7.9	8.0
29	7.9	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.9	8.0	7.8	8.0
30	7.9	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.9	8.0	7.9	8.0
31	---	---	---	7.9	7.7	7.8	8.0	7.8	7.9	---	---	---
MAX	8.0	7.9	---	8.1	7.8	---	8.0	7.8	7.9	8.1	8.0	---
MIN	7.8	7.8	---	7.8	7.6	---	7.8	7.6	7.7	8.0	7.8	---
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.0	7.9	---	8.1	8.0	---	8.1	8.0	---	8.5	8.3	---
2	8.0	7.9	---	8.2	8.0	---	8.1	8.0	---	8.5	8.3	---
3	8.1	7.9	---	8.1	8.0	---	8.1	7.9	---	8.5	8.3	---
4	8.0	7.9	---	8.1	8.0	---	8.1	8.0	---	8.5	8.3	---
5	8.1	7.9	---	8.1	8.0	---	8.1	8.0	---	8.5	8.3	---
6	8.1	7.9	---	8.1	8.0	---	8.1	8.0	---	8.5	8.3	---
7	8.1	8.0	---	8.1	8.0	---	---	---	---	8.5	8.3	---
8	8.1	8.0	---	8.1	8.0	---	---	---	---	8.5	8.3	---
9	8.1	8.0	---	---	---	---	8.4	8.3	---	8.5	8.4	---
10	8.1	8.0	---	8.1	7.9	---	8.4	8.3	---	8.5	8.4	---
11	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.5	8.3	---
12	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.5	8.3	---
13	8.1	8.0	---	8.1	7.9	---	8.4	8.3	---	8.5	8.4	---
14	8.1	8.0	---	8.1	7.9	---	8.4	8.3	---	8.5	8.4	---
15	8.1	8.0	---	8.2	7.9	---	8.4	8.3	---	8.5	8.4	---
16	8.1	8.0	---	8.2	8.0	---	8.4	8.3	---	8.5	8.4	---
17	8.1	8.0	---	---	---	---	8.4	8.3	---	8.5	8.4	---
18	8.1	8.0	---	8.0	8.0	---	8.4	8.3	---	8.5	8.4	---
19	8.1	8.0	---	8.0	7.9	---	8.4	8.3	---	8.5	8.4	---
20	8.1	8.0	---	8.0	7.9	---	8.4	8.3	---	8.5	8.4	---
21	8.1	7.9	---	8.1	7.9	---	8.4	8.3	---	8.5	8.4	---
22	8.1	7.9	---	8.0	7.9	---	8.4	8.3	---	8.5	8.4	---
23	8.1	7.9	---	8.1	7.9	---	8.4	8.3	---	8.5	8.4	---
24	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.6	8.4	---
25	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.5	8.4	---
26	8.1	8.0	---	8.1	7.9	---	8.4	8.2	---	8.6	8.5	---
27	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.6	8.5	---
28	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.6	8.4	---
29	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.6	8.5	---
30	8.1	8.0	---	8.1	8.0	---	8.4	8.3	---	8.6	8.5	---
31	8.1	8.0	---	---	---	---	8.4	8.3	---	8.6	8.5	---
MAX	8.1	8.0	---	---	---	---	---	---	---	8.6	8.5	---
MIN	8.0	7.9	---	---	---	---	---	---	---	8.5	8.3	---

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.2	8.4	8.7	9.9	8.8	9.3	13.4	12.5	12.9	---	---	---
2	9.2	8.3	8.7	10.2	9.1	9.6	13.1	12.0	12.7	---	---	---
3	9.1	8.0	8.5	10.3	9.2	9.8	13.5	12.1	12.8	---	---	---
4	9.1	8.0	8.5	10.4	9.5	9.9	13.6	12.4	13.0	---	---	---
5	9.0	8.1	8.4	10.5	9.6	10.0	13.9	12.3	13.2	---	---	---
6	9.1	8.3	8.7	10.5	9.6	10.1	13.9	12.7	13.3	---	---	---
7	9.2	8.3	8.8	10.6	9.6	10.1	14.1	13.2	13.6	---	---	---
8	9.4	8.6	8.9	11.6	9.8	10.7	14.0	13.1	13.6	---	---	---
9	9.4	8.7	9.0	11.3	10.6	10.9	14.1	13.3	13.7	---	---	---
10	9.3	---	---	11.6	10.5	11.0	14.3	13.4	13.8	---	---	---
11	9.2	---	---	11.4	10.5	10.9	14.3	13.3	13.8	---	---	---
12	9.3	8.4	8.8	11.3	10.5	10.8	14.3	13.4	13.8	---	---	---
13	8.8	8.3	8.6	11.1	10.5	10.9	14.6	13.4	14.0	---	---	---
14	9.4	8.3	8.7	11.5	10.6	11.0	14.4	13.5	14.0	---	---	---
15	9.3	8.2	8.7	11.7	10.7	11.2	14.3	13.3	13.9	---	---	---
16	9.3	8.5	8.9	12.0	11.1	11.6	14.4	13.4	14.0	---	---	---
17	9.5	8.8	9.1	12.1	11.3	11.7	14.5	---	---	---	---	---
18	9.4	8.5	9.0	12.2	11.5	11.9	14.4	---	---	---	---	---
19	9.6	8.7	9.0	12.3	11.5	11.8	14.5	13.5	14.0	---	---	---
20	9.6	8.7	9.1	12.2	11.5	11.9	14.4	13.2	13.9	---	---	---
21	9.3	8.7	8.9	12.5	11.8	12.1	14.1	13.4	13.8	---	---	---
22	9.5	8.6	9.0	12.4	11.6	12.0	14.5	13.3	13.9	14.3	12.8	13.6
23	9.5	8.5	9.0	12.3	11.4	11.8	14.8	13.5	14.1	14.2	12.7	13.5
24	9.6	8.5	9.0	12.5	11.7	12.1	14.8	13.8	14.3	14.1	12.8	13.4
25	9.6	8.6	9.0	12.6	11.8	12.1	15.1	13.8	14.5	13.9	12.6	13.2
26	9.8	8.8	9.2	12.6	11.7	12.2	15.0	13.8	14.4	13.7	12.5	13.1
27	9.7	8.8	9.2	12.6	11.8	12.2	14.7	12.8	13.8	13.2	12.4	12.8
28	9.7	8.7	9.1	12.8	11.9	12.3	14.3	12.8	13.6	13.6	12.5	13.1
29	9.8	8.7	9.1	13.0	11.9	12.5	14.4	13.3	13.9	13.5	12.4	13.0
30	9.8	8.7	9.2	13.2	12.4	12.8	---	---	---	13.4	12.1	12.9
31	9.8	8.7	9.1	---	---	---	---	---	---	13.6	12.4	13.1
MONTH	9.8	8.0	8.9	13.2	8.8	11.2	15.1	12.0	13.7	14.3	12.1	13.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.5	12.4	13.0	12.3	11.7	12.0	13.4	12.1	12.7	11.5	11.2	11.3
2	13.7	12.5	13.1	12.8	11.6	12.0	13.3	12.0	12.6	11.5	11.2	11.4
3	13.6	12.8	13.1	12.4	11.6	12.0	13.3	11.9	12.6	11.4	11.1	11.3
4	13.6	12.4	13.0	12.5	11.5	12.0	13.1	11.8	12.3	11.4	11.1	11.3
5	13.4	12.2	12.9	12.3	11.4	11.8	13.2	11.6	12.4	11.4	11.2	11.3
6	13.3	12.1	12.8	12.3	11.3	11.8	12.9	11.8	12.3	11.3	11.1	11.2
7	13.3	12.2	12.7	12.3	11.0	11.7	12.9	11.7	12.3	11.2	10.9	11.0
8	13.4	12.4	12.8	12.1	10.8	11.5	12.4	11.5	12.0	11.1	10.9	11.0
9	13.5	12.4	13.0	12.0	10.8	11.5	12.4	11.6	12.0	11.1	10.9	11.0
10	13.4	12.3	12.8	12.8	11.0	12.1	12.3	11.6	12.0	11.0	10.7	10.8
11	13.3	12.5	12.8	12.7	11.3	12.1	12.5	11.7	12.1	10.8	10.7	10.8
12	13.1	12.2	12.7	12.6	11.4	12.0	12.4	11.8	12.1	10.9	10.7	10.8
13	13.2	12.3	12.8	12.5	11.4	11.9	12.5	11.5	12.0	10.9	10.7	10.8
14	13.2	12.1	12.7	12.5	10.9	11.9	12.0	11.6	11.8	10.9	10.7	10.8
15	13.1	12.4	12.7	12.6	11.2	12.2	12.0	11.8	11.9	11.0	10.6	10.8
16	13.2	12.4	12.7	12.9	12.0	12.5	12.1	11.8	11.9	11.0	10.7	10.8
17	13.0	12.0	12.6	12.9	12.0	12.5	11.9	11.5	11.7	10.9	10.5	10.6
18	12.5	12.0	12.2	12.9	12.0	12.4	---	---	---	10.7	10.5	10.6
19	12.6	11.8	12.3	13.0	11.9	12.5	---	---	---	10.7	10.5	10.6
20	12.9	12.1	12.5	13.0	11.9	12.5	---	---	---	10.6	10.3	10.5
21	12.7	12.1	12.4	13.1	12.1	12.5	---	---	---	10.5	10.2	10.3
22	12.6	11.9	12.3	13.2	12.0	12.6	---	---	---	10.3	10.2	10.2
23	12.6	11.8	12.2	13.1	11.9	12.4	---	---	---	10.3	10.1	10.2
24	12.6	11.8	12.3	13.3	11.9	12.5	---	---	---	10.2	9.9	10.1
25	12.4	11.8	12.2	13.2	12.0	12.4	---	---	---	10.3	10.0	10.1
26	12.3	11.7	12.1	13.3	12.0	12.5	---	---	---	10.3	10.0	10.2
27	12.4	11.8	12.1	13.4	11.9	12.6	---	---	---	10.3	9.9	10.1
28	12.5	11.4	12.1	13.0	11.8	12.4	11.4	11.1	11.2	10.2	9.9	10.0
29	---	---	---	13.2	11.6	12.2	11.3	11.1	11.2	10.2	9.9	10.1
30	---	---	---	13.2	11.8	12.4	11.5	11.2	11.3	10.2	10.0	10.1
31	---	---	---	13.2	11.9	12.6	---	---	---	10.2	9.9	10.0
MONTH	13.7	11.4	12.6	13.4	10.8	12.2	13.4	11.1	12.0	11.5	9.9	10.6

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	29	10	14	26	4.2	14	9.0	6.0	7.3	5.0	3.0	3.9
2	27	8.0	14	16	5.2	9.1	11	6.0	7.1	5.0	3.0	3.9
3	21	8.2	15	17	9.8	13	9.0	5.0	6.3	5.0	3.0	3.5
4	21	6.7	11	20	8.7	13	9.0	5.0	6.4	4.0	2.0	3.1
5	18	3.2	12	15	8.5	11	9.0	5.0	6.6	6.0	3.0	4.2
6	46	11	27	15	8.3	12	9.0	5.0	5.9	5.0	3.0	4.0
7	45	15	24	16	9.1	12	7.0	5.0	5.6	5.0	3.0	3.2
8	28	10	20	18	5.8	11	6.0	4.0	5.1	5.0	2.0	3.0
9	23	11	17	12	4.6	7.7	6.0	4.0	4.5	6.0	2.0	3.3
10	---	---	e14	12	4.4	7.2	5.0	4.0	4.4	5.0	2.0	2.9
11	---	---	e11	---	---	---	7.0	4.0	4.7	5.0	2.0	2.9
12	17	7.7	13	---	---	---	6.0	3.0	4.8	4.0	2.0	2.6
13	20	4.4	13	---	---	---	9.0	4.0	6.1	4.0	2.0	2.3
14	25	5.3	14	---	---	---	8.0	4.0	5.1	5.0	2.0	2.9
15	32	17	23	---	---	---	7.0	4.0	5.0	6.0	2.0	3.6
16	31	14	21	---	---	---	9.0	4.0	5.1	6.0	3.0	4.1
17	28	14	19	---	---	---	9.0	4.0	5.1	6.0	3.0	3.9
18	24	12	17	---	---	---	8.0	4.0	5.1	6.0	3.0	3.6
19	22	12	16	---	---	e9.8	7.0	4.0	5.1	6.0	2.0	3.3
20	---	---	e17	11	7.0	8.8	8.0	4.0	5.4	4.0	2.0	2.4
21	30	12	18	12	8.0	9.3	7.0	4.0	4.9	3.0	1.0	2.0
22	31	13	20	13	8.0	10	8.0	4.0	5.3	3.0	1.0	1.8
23	25	15	20	---	---	e8.6	9.0	5.0	5.9	3.0	1.0	1.9
24	27	14	20	9.0	6.0	7.6	9.0	5.0	6.1	5.0	1.0	2.0
25	27	14	20	10	6.0	7.9	9.0	5.0	6.6	6.0	2.0	2.7
26	34	14	21	9.0	6.0	6.8	9.0	5.0	6.0	6.0	1.0	2.6
27	26	14	19	12	6.0	7.8	9.0	4.0	5.6	2.0	1.0	1.7
28	22	13	17	11	7.0	8.2	9.0	4.0	5.5	4.0	1.0	2.5
29	24	7.9	14	11	6.0	8.1	9.0	4.0	5.5	4.0	2.0	2.7
30	21	7.9	14	10	6.0	7.8	7.0	4.0	4.7	5.0	1.0	2.9
31	28	12	17	---	---	---	7.0	3.0	3.8	5.0	1.0	2.6
MONTH	46	3.2	17	26	4.2	9.6	11	3.0	5.5	6.0	1.0	3.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	2.0	2.7	13	6.0	8.1	7.0	4.0	5.0	37	30	33
2	5.0	2.0	2.7	13	7.0	9.7	8.0	4.0	6.2	34	28	31
3	3.0	2.0	2.5	12	5.0	8.0	10	4.0	6.6	36	25	30
4	6.0	2.0	3.3	9.0	5.0	6.8	9.0	3.0	5.8	37	27	31
5	4.0	1.0	2.1	10	5.0	7.0	8.0	2.0	4.5	38	29	33
6	4.0	1.0	1.5	9.0	5.0	6.8	11	4.0	6.3	43	31	36
7	4.0	1.0	1.3	9.0	5.0	5.8	9.0	5.0	6.2	46	30	35
8	4.0	1.0	1.4	8.0	4.0	5.7	10	5.0	7.0	42	32	37
9	3.0	1.0	1.8	11	5.0	7.1	8.0	4.0	5.5	51	38	44
10	3.0	1.0	1.6	12	3.0	6.4	8.0	3.0	5.2	51	38	44
11	4.0	1.0	2.1	7.0	3.0	4.4	8.0	4.0	5.6	48	37	42
12	3.0	1.0	2.0	7.0	3.0	4.7	12	7.0	10	48	36	41
13	4.0	1.0	1.7	6.0	3.0	4.7	13	9.0	11	55	40	46
14	4.0	1.0	1.9	7.0	4.0	5.4	13	9.0	11	67	40	52
15	4.0	2.0	2.3	6.0	2.0	4.0	14	9.0	11	62	43	50
16	4.0	1.0	2.0	7.0	3.0	4.7	15	9.0	12	63	49	56
17	6.0	1.0	2.7	9.0	4.0	5.8	23	12	16	54	43	48
18	9.0	4.0	7.3	8.0	3.0	5.3	54	14	24	57	40	46
19	8.0	4.0	5.4	6.0	3.0	4.4	55	26	38	57	44	50
20	5.0	2.0	3.3	7.0	3.0	4.7	48	28	38	61	48	55
21	6.0	3.0	4.2	5.0	2.0	3.6	45	32	38	59	44	51
22	8.0	5.0	5.9	6.0	3.0	3.9	51	37	42	56	44	51
23	10	5.0	6.5	5.0	2.0	3.8	52	36	43	60	42	51
24	6.0	4.0	4.8	6.0	3.0	3.9	44	31	36	63	43	54
25	7.0	4.0	5.7	5.0	2.0	3.7	37	29	32	74	51	62
26	10	7.0	8.0	8.0	3.0	4.0	41	30	35	77	56	64
27	9.0	6.0	7.2	6.0	2.0	3.7	41	32	35	65	53	58
28	9.0	5.0	6.7	7.0	3.0	3.9	40	26	34	59	49	54
29	---	---	---	9.0	2.0	4.6	41	28	34	57	47	51
30	---	---	---	8.0	2.0	4.6	40	32	36	53	40	46
31	---	---	---	8.0	2.0	4.2	---	---	---	43	37	40
MONTH	10	1.0	3.6	13	2.0	5.3	55	2.0	20	77	25	46

08317400 RIO GRANDE BELOW COCHITI DAM, NM—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU—
CONTINUED

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	41	34	37	55	38	44	46	31	38	38	19	26
2	39	30	34	49	38	43	42	27	36	38	19	26
3	35	27	31	48	35	42	40	28	33	53	22	36
4	31	26	29	47	36	40	38	27	32	53	21	36
5	31	25	28	45	33	39	35	26	30	37	25	31
6	32	24	28	44	31	37	41	26	31	36	21	29
7	29	23	26	40	28	35	43	29	35	35	22	28
8	28	22	25	40	25	32	43	31	37	31	20	24
9	27	21	24	37	25	30	45	30	36	26	18	22
10	27	20	23	35	24	29	40	29	33	27	16	21
11	27	20	23	33	23	28	39	27	32	25	15	20
12	31	17	23	38	21	26	39	25	31	25	15	19
13	26	20	22	29	22	25	63	36	50	26	15	19
14	27	21	23	27	17	23	90	35	52	24	17	20
15	25	18	22	25	17	20	93	47	64	32	17	24
16	25	17	21	24	16	19	65	36	47	38	21	29
17	26	19	22	27	15	21	50	30	40	36	22	28
18	27	17	22	31	23	26	47	31	36	33	20	26
19	29	19	23	35	23	29	43	25	33	30	19	25
20	34	22	27	33	25	27	35	25	30	35	22	27
21	33	23	28	34	23	28	39	24	30	37	22	27
22	35	25	29	34	23	28	43	25	31	31	21	26
23	35	27	30	34	23	30	44	26	33	27	17	21
24	37	26	32	36	27	31	41	29	33	27	18	22
25	36	26	31	41	28	33	39	26	33	25	15	19
26	47	30	36	42	31	37	42	23	29	23	14	18
27	45	34	40	45	35	40	33	22	25	24	13	17
28	60	38	46	48	32	39	31	20	25	24	12	18
29	50	37	44	51	34	42	35	22	27	70	15	38
30	53	41	46	49	31	41	34	24	28	68	42	56
31	---	---	---	47	32	40	37	22	28	---	---	---
MONTH	60	17	29	55	15	32	93	20	35	70	12	26
YEAR	93	1.0	20									

e Estimated

08317900 GALISTEO RESERVOIR NEAR CERRILLOS, NM

LOCATION.--Lat 35°27'49", long 106°12'23", in NW $\frac{1}{4}$ sec.9, T.14 N., R.7 E., Santa Fe County, Hydrologic Unit 13020201, in Mesita de Juana Lopez Grant, at Galisteo Dam on Galisteo Creek, 5.0 mi northwest of Cerrillos, and at mile 11.8.

DRAINAGE AREA.--596 mi².

PERIOD OF RECORDS.--October 1970 to current year.

GAGE.--Water-stage recorder above elevation 5,500.3 ft, nonrecording below. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam, completed Oct. 11, 1970. Capacity, based on capacity table effective Jan. 1972, 88,990 acre-ft between elevations 5,496.0 ft, sill of ungated outlet conduit, and 5,608.0 ft, crest of uncontrolled spillway. No dead storage. Reservoir is used for flood control. U.S. Army Corps of Engineers satellite telemetry at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,510 acre-ft, July 26, 1971, elevation, 5,517.00; no storage most of time.

EXTREMES FOR CURRENT YEAR.--No storage all year.

Capacity table (elevation, in feet, and contents, in acre-feet)
(based on survey by U.S. Army Corps of Engineers in 1972)

Elevation	Contents	Elevation	Contents
5,500	0	5,504	41
5,501	2	5,505	69
5,502	9	5,506	109
5,503	21	5,508	244

08317950 GALISTEO CREEK BELOW GALISTEO DAM, NM

LOCATION.--Lat 35°27'52", long 106°12'47", in NE ¼ NE ¼ sec.8, T.14 N., R.7 E., Santa Fe County, Hydrologic Unit 13020201, in Mesita de Juana Lopez Grant, on right bank 0.4 mi downstream from Galisteo Dam, 5.3 mi northwest of Cerrillos, and at mile 11.4.

DRAINAGE AREA.--597 mi².

PERIOD OF RECORD.--March 1970 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,450 ft above NGVD of 1929, from topographic map. Prior to Dec. 21, 1981, at site 1,200 ft downstream at different datum.

REMARKS.--Records fair to poor. Flow regulated by Galisteo Reservoir 0.4 mi upstream. Diversions for irrigation of about 50 acres upstream from station. No flow on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	6.6	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00
5	812	0.00	0.00	11	0.00	0.00	5.2	0.00	0.00	0.00	0.00	0.00
6	159	0.00	0.00	27	0.00	7.6	4.9	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	16	0.00	0.00	4.1	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	3.1	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	5.2	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	6.2	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	6.2	0.00	0.00	0.00	0.41	0.00
12	0.00	0.00	0.00	0.00	7.1	0.00	3.3	0.00	0.00	0.00	0.41	0.00
13	14	0.00	0.00	0.00	85	0.00	0.13	0.00	0.00	0.00	0.00	0.00
14	34	0.00	0.00	0.00	38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	16	50	0.56	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	22	5.2	4.0	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	25	7.6	4.9	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	41	11	6.6	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	71	21	4.4	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	44	46	1.3	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	25	32	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	10	24	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.7	18	1.1	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	13	2.1	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	13	1.6	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	22	0.00	0.00	0.00	0.00	0.00	1.9
31	0.00	---	0.00	0.00	---	13	---	0.00	---	0.00	0.00	---
TOTAL	1,019.00	0.00	0.00	54.00	409.80	343.40	82.49	0.00	0.00	0.00	0.82	1.90
MEAN	32.9	0.00	0.00	1.74	14.6	11.1	2.75	0.00	0.00	0.00	0.03	0.06
MAX	812	0.00	0.00	27	85	50	6.6	0.00	0.00	0.00	0.41	1.9
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	2,020	0.00	0.00	107	813	681	164	0.00	0.00	0.00	1.6	3.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	5.10	1.44	1.23	1.31	2.13	2.76	2.60	2.61	6.25	17.4	16.3	8.27
MEAN	5.10	1.44	1.23	1.31	2.13	2.76	2.60	2.61	6.25	17.4	16.3	8.27
MAX	32.9	7.70	6.55	6.25	14.6	19.8	23.8	31.7	33.8	110	70.0	52.4
(WY)	(2005)	(1995)	(1987)	(1993)	(2005)	(1993)	(1973)	(1985)	(1996)	(1971)	(1999)	(1972)
MIN	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)	(1980)	(1980)	(1980)	(1981)	(1981)	(1981)	(1981)	(1971)	(1971)	(1987)	(2002)	(1979)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1970 - 2005

ANNUAL TOTAL	1,547.65	1,911.41	
ANNUAL MEAN	4.23	5.24	5.54
HIGHEST ANNUAL MEAN			12.8
LOWEST ANNUAL MEAN			0.11
HIGHEST DAILY MEAN	812	Oct 5	1,190
LOWEST DAILY MEAN	0.00	Jan 1	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			3,460
MAXIMUM PEAK STAGE			5.57
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	3,070	3,790	4,010
10 PERCENT EXCEEDS	0.76	6.6	6.2
50 PERCENT EXCEEDS	0.00	0.00	0.13
90 PERCENT EXCEEDS	0.00	0.00	0.00

RIO GRANDE BASIN

08319000 RIO GRANDE AT SAN FELIPE, NM

LOCATION.--Lat 35°26'40", long 106°26'22", in SW ¼ NW ¼ sec.17, T.14 N., R.5 E., Sandoval County, Hydrologic Unit 13020201, in San Felipe Grant, on right bank 200 ft downstream from Tonque Arroyo, 1,700 ft upstream from steel highway bridge, 0.8 mi upstream from San Felipe Pueblo, 11 mi northeast of Bernalillo, and at mile 1.572.7.

DRAINAGE AREA.--16,100 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1312.

REVISED RECORDS.--WSP 1312: 1926-30. WSP 1392: 1937(M). WSP 1512: 1931-32, 1933(M), 1934-36, 1938(M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,115.73 ft above NGVD of 1929. Prior to Sept. 27, 1957, at site 1,800 ft downstream at datum 5.35 ft lower, except May 16, 1945, to Sept. 30, 1946, when it was 5.94 ft lower than present datum.

REMARKS.--Water-discharge records fair. Flow completely regulated since Nov. 1973 by Cochiti Dam (station 08317300) 17 mi upstream. Prior to Nov. 1973, some regulation of flow by El Vado Reservoir (station 08285000) and Abiquiu Reservoir (station 08286900). Since May 1971, flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions for irrigation of about 705,000 acres upstream from station, some of which are irrigated downstream by Cochiti Eastside Main canal (station 08313500) and San Felipe eastside acequia, which bypass station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Other major floods occurred in 1874, 1884, and 1904.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	401	447	795	760	823	1,430	e1,060	5,130	5,850	2,600	971	791
2	371	472	704	766	821	1,330	e1,030	5,080	e6,300	2,250	961	838
3	347	474	661	789	821	1,110	e978	4,890	e6,340	1,890	975	805
4	325	474	717	832	801	967	e981	4,570	e6,370	1,890	984	798
5	1,240	474	724	859	758	983	e1,010	4,370	e6,340	1,850	1,000	778
6	694	477	764	869	760	986	e1,100	4,400	e6,330	1,680	1,010	764
7	467	476	853	768	760	920	1,210	4,420	e6,320	1,660	995	712
8	525	525	897	644	760	846	1,320	4,430	e6,300	1,560	975	633
9	507	690	898	705	756	841	1,460	4,430	e6,300	1,280	936	630
10	493	700	898	844	769	845	1,480	4,430	6,090	1,360	936	625
11	464	665	901	850	804	848	1,620	4,860	5,680	1,280	927	624
12	450	670	906	848	829	850	1,980	5,440	5,650	1,120	898	624
13	491	676	930	846	916	850	2,320	5,460	5,610	1,050	866	621
14	486	677	990	841	877	984	2,580	5,440	5,560	1,060	751	622
15	409	697	1,010	841	914	1,190	2,840	5,440	5,360	943	704	643
16	421	729	1,010	843	910	1,210	3,170	5,440	4,970	1,020	754	669
17	474	751	1,020	842	903	1,100	3,270	5,380	4,910	1,020	744	667
18	447	706	1,020	790	959	1,140	3,640	5,360	4,870	987	739	678
19	424	759	1,020	685	1,030	1,190	4,120	5,490	4,850	937	729	683
20	425	757	1,030	643	1,040	1,190	4,270	5,940	4,640	925	698	703
21	429	760	1,030	661	1,030	1,160	4,580	6,040	4,380	904	687	700
22	430	761	1,040	734	1,040	1,100	4,980	6,000	4,350	909	673	705
23	415	767	943	735	1,210	1,090	5,050	6,080	4,210	914	722	718
24	406	756	745	739	1,400	1,090	4,840	6,160	3,960	904	713	740
25	404	755	739	742	1,410	1,100	4,650	e6,220	3,810	901	702	745
26	425	773	736	741	1,380	1,100	5,100	5,770	3,590	883	719	746
27	452	798	673	787	1,400	1,090	5,120	5,810	3,130	892	748	726
28	433	808	579	826	1,310	e1,040	5,160	5,850	3,130	892	754	705
29	432	813	639	823	---	e951	5,180	e5,880	3,030	902	763	852
30	429	812	683	834	---	e951	5,170	e5,900	2,780	948	772	931
31	432	---	758	826	---	e1,040	---	5,820	---	967	787	---
TOTAL	14,548	20,099	26,313	24,313	27,191	32,522	91,269	165,930	151,010	38,378	25,593	21,476
MEAN	469	670	849	784	971	1,049	3,042	5,353	5,034	1,238	826	716
MAX	1,240	813	1,040	869	1,410	1,430	5,180	6,220	6,370	2,600	1,010	931
MIN	325	447	579	643	756	841	978	4,370	2,780	883	673	621
AC-FT	28,860	39,870	52,190	48,220	53,930	64,510	181,000	329,100	299,500	76,120	50,760	42,600
(+)	2,980	1,960	0	0	0	3,330	4,440	5,510	5,460	5,370	5,190	4,590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2005, BY WATER YEAR (WY)

MEAN	704	871	928	858	986	1,275	2,057	3,229	3,065	1,748	1,045	844
MAX	2,164	2,072	1,969	2,163	3,695	3,054	6,126	6,160	6,534	5,979	3,667	1,781
(WY)	(1998)	(1987)	(1987)	(1986)	(1986)	(1986)	(1985)	(1985)	(1983)	(1979)	(1986)	(1986)
MIN	289	389	482	462	479	546	378	521	746	565	514	206
(WY)	(1975)	(1990)	(2003)	(1977)	(2004)	(1977)	(1977)	(1977)	(1989)	(1974)	(2004)	(1974)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1974 - 2005
ANNUAL TOTAL	321,554	638,642	
ANNUAL MEAN	879	1,750	a1,468
HIGHEST ANNUAL MEAN			2,493
LOWEST ANNUAL MEAN			547
HIGHEST DAILY MEAN	3,400	6,370	8,100
LOWEST DAILY MEAN	325	325	67
ANNUAL SEVEN-DAY MINIMUM	389	419	135
MAXIMUM PEAK FLOW		6,400	b27,300
MAXIMUM PEAK STAGE		7.37	c11.13
INSTANTANEOUS LOW FLOW		283	32
ANNUAL RUNOFF (AC-FT)	637,800	1,267,000	1,064,000
10 PERCENT EXCEEDS	1,680	5,170	3,590
50 PERCENT EXCEEDS	652	902	961
90 PERCENT EXCEEDS	429	525	467

a Average discharge for 48 years (water years 1926-73), 1,374 ft³/s, 995,500 acre-ft/yr, prior to closure of Cochiti.

b From rating curve extended above 15,000 ft³/s.

c Site and datum then in use.

(+) Monthly diversion, in acre-feet, of Cochiti Eastside Main Canal.

e Estimated

08319000 RIO GRANDE AT SAN FELIPE, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd, ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Gross alpha radioac water unfltrd pCi/L (01519)	Gross beta radioac water unfltrd pCi/L (85817)	Ra-226, water, unfltrd pCi/L (09501)	Ra-228, water, unfltrd pCi/L (11501)	Sr-90, water, unfltrd pCi/L (13501)
NOV 16...	<.01	--	4.9	.30	<3	--	<.2	E.3	--	--	--	--	--
NOV 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.01	<.01	1.8	1.41	<3	<3	<.2	.8	3.3	5.9	.194	--	-.10
MAY 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	--	<.01	2.6	1.31	<3	<3	<.2	3.9	--	--	--	--	--
JUL 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 23...	<.01	<.01	4.3	1.75	.18	.23	<.2	--	3.3	5.3	.118	.45	.08
AUG 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 20...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tritium 2-sigma water unfltrd pCi/L (75985)	Tritium water unfltrd pCi/L (07000)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Suspended sedi-ment concentration mg/L (80154)
NOV 16...	--	--	2.70	73	117
NOV 17...	--	--	--	--	141
JAN 19...	--	--	--	--	22
FEB 28...	--	--	--	--	290
MAR 21...	--	--	--	--	102
MAY 03...	1.6	22	1.34	--	214
MAY 09...	--	--	--	--	160
JUN 01...	--	--	--	--	110
JUL 13...	--	--	1.10	66	68
JUL 13...	--	--	--	--	33
AUG 23...	1.6	23	1.65	--	--
AUG 23...	--	--	--	--	79
SEP 20...	--	--	--	--	60

Remark codes used in this table:
 < -- Less than.
 > -- Greater than.
 E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Calcium bed sed <62.5um wet svd field, total, percent (34830)	Magnesium, bed sed <62.5um wet svd fld,tot percent (34900)	Potassium, bed sed <62.5um wet svd fld,tot percent (34940)	Sodium, bed sed <62.5um wet svd field, total, percent (34960)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phosphorus, bed sed <62.5um wet svd fld,tot percent (34935)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Inorg. carbon, bed sed <62.5um wsv nat field percent (49269)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Aluminum, bed sed <62.5um wet svd fld,tot percent (34790)	Antimony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)
JUL 13...	1150	2.2	.460	1.8	1.0	<.05	.040	1.0	.53	.51	4.1	.6	3.0

08319000 RIO GRANDE AT SAN FELIPE, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, bed sed <62.5um wet svd fld,tot ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd fld,tot ug/g (34816)	Cadmium bed sed <62.5um wet svd fld,tot ug/g (34825)	Cerium, bed sed <62.5um wet svd fld,tot ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd fld,tot ug/g (34845)	Copper, bed sed <62.5um wet svd fld,tot ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium bed sed <62.5um wet svd fld,tot ug/g (34860)	Gold, bed sed <62.5um wet svd fld,tot ug/g (34870)	Holmium bed sed <62.5um wet svd fld,tot ug/g (34875)	Iron, bed sed <62.5um wet svd fld,tot percent (34880)
JUL 13...	760	1.1	<1	<.1	60	24	6	11	1	10	<1	<1	2.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Lanthanum, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd fld,tot ug/g (34890)	Lithium bed sed <62.5um wet svd fld,tot ug/g (34895)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd fld,tot ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodymium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd fld,tot ug/g (34925)	Niobium bed sed <62.5um wet svd fld,tot ug/g (34930)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd fld,tot ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)
JUL 13...	32	13	19	370	.02	.8	28	9	6	5	.1	.1	220

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tantalum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd fld,tot ug/g (34980)	Tin, bed sed <62.5um wet svd fld,tot ug/g (34985)	Titanium, bed sed <62.5um wsv nat rec, percent (49274)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterbium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd fld,tot ug/g (35010)	Zinc, bed sed <62.5um wet svd fld,tot ug/g (35020)	Uranium bed sed <62.5um wet svd fld,tot ug/g (35000)
JUL 13...	<1	<1	9	1	.340	55	2	14	42	2.1

Remark codes used in this table:

< -- Less than.

08324000 JEMEZ RIVER NEAR JEMEZ, NM

LOCATION.--Lat 35°39'43", long 106°44'34", Sandoval County, Hydrologic Unit 13020202, in Canon de San Diego Grant, on left bank 0.7 mi downstream from Rio Guadalupe, 3.5 mi north of Jemez, and at mile 29.5.

DRAINAGE AREA.--470 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1936 to May 1941, August 1949 to October 1950, May 1951 to September 1952 (irrigation seasons only), March 1953 to current year. Monthly discharge only for some periods, published in WSP 1732. Published as "Jemez Creek near Jemez," 1936-41.

REVISED RECORDS.--WSP 1712: drainage area. WSP 1923, 1957-58.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Dec. 6, 1965. Datum of gage is 5,622 ft above NGVD of 1929, from plane-table survey by Topographic Division, U.S. Geological Survey, 1952. June 22, 1936, to Mar. 11, 1937, at site 60 ft upstream at datum 0.50 ft higher. Mar. 12, 1937, to July 8, 1938, at present site at datum 0.7 ft higher. July 9, 1938, to May 6, 1941, at site 60 ft upstream at datum 0.70 ft higher.

REMARKS.--Water-discharge records fair, except estimated discharges, which are poor. Diversion for irrigation of about 300 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood since at least 1890 occurred between May 6 and 15, 1941, after gage was destroyed (discharge probably exceeded 6,000 ft³/s), from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	20	15	39	30	46	70	311	179	22	15	14
2	15	19	18	38	27	42	89	308	157	22	14	15
3	18	18	16	34	21	44	116	323	141	21	14	18
4	15	19	17	50	24	42	143	389	126	19	15	18
5	48	19	19	e37	29	46	162	376	103	17	16	19
6	19	19	19	e25	29	47	184	382	90	17	18	18
7	19	20	19	28	29	45	243	409	83	16	18	65
8	17	19	20	31	28	48	326	393	71	16	22	26
9	16	20	20	28	21	54	361	404	63	17	23	23
10	15	21	21	28	25	64	372	435	59	16	23	21
11	20	20	21	34	34	77	301	477	54	15	19	20
12	23	20	21	41	102	95	284	449	56	15	31	19
13	26	20	22	26	91	124	385	416	55	16	37	19
14	23	20	21	e17	69	e100	589	413	45	18	64	18
15	21	22	20	e18	62	e75	662	409	40	18	40	17
16	19	22	23	e20	70	87	815	382	38	22	37	17
17	18	23	18	e21	65	94	963	416	37	20	30	16
18	16	23	20	e22	80	94	852	426	33	20	24	15
19	16	23	19	e23	117	88	698	408	31	18	21	15
20	17	25	19	26	106	91	645	426	28	17	21	15
21	17	26	21	27	77	80	570	436	29	16	21	15
22	18	25	19	29	68	65	488	428	37	19	21	16
23	19	30	15	28	64	83	460	394	35	38	20	20
24	18	30	e12	29	60	85	601	364	30	26	20	19
25	18	23	e16	32	55	79	761	341	30	22	19	18
26	19	21	20	31	50	79	576	302	34	21	18	16
27	19	18	21	33	46	74	481	289	33	20	17	16
28	20	22	21	30	46	81	422	265	27	20	16	45
29	21	19	22	27	---	96	380	260	25	20	17	56
30	22	14	38	31	---	87	349	229	24	19	16	44
31	21	---	46	26	---	69	---	201	---	17	15	---
TOTAL	609	640	639	909	1,525	2,281	13,348	11,461	1,793	600	702	673
MEAN	19.6	21.3	20.6	29.3	54.5	73.6	445	370	59.8	19.4	22.6	22.4
MAX	48	30	46	50	117	124	963	477	179	38	64	65
MIN	15	14	12	17	21	42	70	201	24	15	14	14
AC-FT	1,210	1,270	1,270	1,800	3,020	4,520	26,480	22,730	3,560	1,190	1,390	1,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	34.6	37.1	28.8	28.5	35.6	89.7	260	231	64.1	31.5	44.5	33.1
MAX	109	128	58.2	50.6	77.1	301	961	1,118	274	78.5	128	95.8
(WY)	(1987)	(1987)	(1987)	(1995)	(1995)	(1995)	(1958)	(1973)	(1979)	(1986)	(1999)	(1991)
MIN	14.5	18.4	17.0	16.6	19.9	26.0	24.8	13.5	10.5	13.3	15.8	11.1
(WY)	(1957)	(1957)	(1957)	(1977)	(1955)	(1996)	(2002)	(1996)	(1996)	(2003)	(1956)	(1956)

RIO GRANDE BASIN

08324000 JEMEZ RIVER NEAR JEMEZ, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	21,310.5		35,180			
ANNUAL MEAN	58.2		96.4		76.6	
HIGHEST ANNUAL MEAN					189	1973
LOWEST ANNUAL MEAN					22.1	2002
HIGHEST DAILY MEAN	385	Apr 9	963	Apr 17	3,160	Apr 21, 1958
LOWEST DAILY MEAN	7.6	Sep 14	12	Dec 24	2.1	Jul 25, 1981
ANNUAL SEVEN-DAY MINIMUM	11	Sep 12	16	Jul 31	6.0	Jul 23, 1981
MAXIMUM PEAK FLOW			1,250	Apr 17	a5,900	Apr 21, 1958
MAXIMUM PEAK STAGE			6.92	Apr 17	b10.10	Jul 15, 1985
INSTANTANEOUS LOW FLOW			8.6	Nov 30	1.2	Jul 25, 1981
ANNUAL RUNOFF (AC-FT)	42,270		69,780		55,500	
10 PERCENT EXCEEDS	205		378		176	
50 PERCENT EXCEEDS	21		26		33	
90 PERCENT EXCEEDS	14		16		18	

a From rating curve extended above 2,200 ft³/s, on basis of contracted opening measurement of peak flow.

b Present datum.

e Estimated

08324000 JEMEZ RIVER NEAR JEMEZ, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
NOV 12...	1030	20	3.1	622	10.2	105	8.4	648	9.5	7.5	130	45.2	4.85
FEB 10...	0935	19	--	626	10.8	98	8.1	550	5.0	3.0	130	43.8	4.82
JUN 03...	1140	148	--	617	8.2	103	8.2	271	24.5	16.0	--	--	--
JUL 01...	1320	23	1.4	622	8.2	116	8.4	631	36.0	22.0	160	54.1	5.79

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
NOV 12...	11.3	3	70.5	179	E209	E5	90.8	1.1	45.9	10.1	389	E.06	.13
FEB 10...	8.90	2	57.5	158	191	--	70.2	1.0	43.6	15.0	339	E.07	.20
JUN 03...	--	--	--	94	113	--	--	--	--	--	--	--	--
JUL 01...	9.35	2	63.9	188	221	4	76.3	1.0	36.6	10.2	371	.27	.24

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
NOV 12...	<.04	E.020	<.06	<.008	E.01	.013	.023	82	<61	2	E.14	86	82
FEB 10...	<.04	--	<.06	<.008	E.01	.013	.050	E16	E5	37	E.12	53	32
JUN 03...	--	--	--	--	--	--	--	--	--	19	<.40	14	49
JUL 01...	<.04	E.027	<.06	<.008	E.01	.025	.035	E14	21	4	.23	65	39

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)
NOV 12...	E.06	748	<.04	4.1	.132	E.4	32	<.08	20.9	<.01	4.8	E.05	<3
FEB 10...	E.05	550	E.02	<.8	.172	.5	30	<.08	21.9	<.01	4.9	.22	<5
JUN 03...	<.06	--	<.04	<.8	.127	.9	--	E.06	13.4	<.01	1.3	1.59	<3
JUL 01...	<.06	571	E.03	<.8	.143	.8	29	E.05	24.3	<.01	3.4	1.68	<3

RIO GRANDE BASIN

08324000 JEMEZ RIVER NEAR JEMEZ, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
NOV 12...	<3	<.2	1.1	1.42	22	58
FEB 10...	<3	<.2	1.9	1.28	96	39
JUN 03...	<3	<.2	.9	.73	72	27
JUL 01...	E2	<.2	1.0	1.88	48	21

Remark codes used in this table:

< -- Less than.

E -- Estimated.

08328500 JEMEZ CANYON RESERVOIR NEAR BERNALILLO, NM

LOCATION.--Lat 35°23'41", long 106°32'50", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.14 N., R.4 E., Sandoval County, Hydrologic Unit 13020202, at corner of outlet works control tower of Jemez Canyon Dam on Jemez River, 2.8 mi upstream from mouth, and 6.0 mi north of Bernalillo.

DRAINAGE AREA.--1,034 mi².

PERIOD OF RECORD.--October 1953 to September 1965 (month end contents only), October 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by earthfill dam, completed Oct. 19, 1953. Capacity, 172,800 acre-ft, from capacity table adapted Jan. 1, 1999, between elevations 5,125.0 ft, sill of outlet gates, and 5,252.3 ft, operating deck of spillway. Maximum controlled capacity, 102,700 acre-ft at elevation 5,232.0 ft (floor of spillway, which is located about 0.8 mi south of dam). Capacity by original survey was 189,100 acre-ft. Original plan for reservoir operation was to desilt all flow above 30 ft³/s by storage for 1 day before releasing to Rio Grande, and for possible detention during flood stage on Rio Grande. U.S. Army Corps of Engineers satellite telemetry at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 72,110 acre-ft, June 1, 1987, elevation, 5,220.24 ft; no storage most of time prior to Mar. 1979 and Oct. 27, 2001, to present.

EXTREMES FOR CURRENT YEAR.--No storage all year.

Capacity table (elevation, in feet, and contents, in acre-feet)
(based on survey by U.S. Army Corps of Engineers in 1998)

Elevation	Contents	Elevation	Contents
5,180	8,650	5,190	17,360
5,185	12,800	5,195	23,220

08329000 JEMEZ RIVER BELOW JEMEZ CANYON DAM, NM

LOCATION.--Lat 35°23'25", long 106°32'04", in NE 1/4 sec.5, T.13 N., R.4 E., Sandoval County, Hydrologic Unit 13020202, on right bank 0.8 mi downstream from Jemez Canyon Dam, 2.0 mi upstream from mouth, and 6.0 mi north of Bernalillo.

DRAINAGE AREA.--1,038 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1936 to January 1938, March 1943 to current year. Published as "Jemez Creek" prior to 1948, and as "near Bernalillo" prior to 1954.

REVISED RECORDS.--WSP 1178: 1949. WSP 1212: 1950. WSP 1512: 1936, 1943, 1945, 1947-48, 1949(M), 1950. WSP 1732: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,095.60 ft above NGVD of 1929 (U.S. Army Corps of Engineers benchmark). Prior to Apr. 24, 1951, at site 0.8 mi upstream at datum 24.51 ft higher. Apr. 24, 1951, to June 25, 1958, at site 37 ft upstream at datum 4.40 ft above present datum. Supplementary water-stage recorder at gages on Jemez Canyon Dam at datum 5,125.00 ft above NGVD of 1929 (U.S. Army Corps of Engineers benchmark) used at times since Jan. 1953.

REMARKS.--Records poor. Subsequent to October 1953, flow at this station can be completely regulated by Jemez Canyon Reservoir (station 08328500). However, reservoir is designed essentially for desilting and flood control rather than storage. Diversions for irrigation of about 3,000 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in 1900 was probably less than 16,000 ft³/s but highest observed outside period of record.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	e1.2	e1.2	e17	e20	e108	e78	e81	e209	e0.00	e0.00	e0.00
2	e0.01	e2.8	e1.7	e17	e23	e84	e86	e89	e189	e0.00	e0.00	e0.00
3	e48	e3.5	e14	e18	e18	e83	e106	e114	e180	e0.00	e0.00	e0.00
4	e1.3	e1.5	e7.7	e21	e15	e83	e143	e150	e155	e0.00	e0.00	e0.00
5	e79	e2.0	e15	e19	e20	e81	e175	e200	e125	e0.00	e0.00	e0.00
6	e49	e3.2	e20	e18	e25	e118	e204	e380	e137	e0.00	e0.00	e0.54
7	e3.7	e1.3	e13	e16	e21	e90	e284	e459	e126	e0.00	e0.00	e62
8	e3.1	e0.37	e14	e16	e21	e81	e443	e496	e87	e0.00	e0.76	e50
9	e1.5	e1.1	e15	e16	e22	e84	e491	e512	e117	e0.00	e0.39	e0.16
10	e1.4	e3.1	e17	e16	e19	e85	e457	e569	e83	e0.00	e0.00	e0.00
11	e6.0	e3.6	e18	e16	e29	e91	e327	e499	e88	e0.00	e0.00	e0.00
12	e1.5	e6.1	e18	e13	e111	e95	e213	e369	e127	e0.00	e0.00	e0.00
13	e0.87	e8.4	e18	e12	e145	e103	e257	e430	e119	e0.00	e0.22	e0.00
14	e17	e9.2	e21	e10	e75	e127	e486	e370	e30	e0.00	e0.05	e0.00
15	e5.8	e11	e20	e20	e72	e125	e539	e360	e15	e0.00	e0.12	e0.00
16	e1.8	e14	e17	e18	e78	e93	e614	e350	e12	e0.63	e0.07	e0.00
17	e1.3	e10	e18	e17	e82	e95	e649	e360	e18	e0.04	e0.04	e0.00
18	e1.8	e9.8	e15	e18	e92	e85	e297	e400	e10	e0.00	e0.00	e0.00
19	e0.11	e12	e19	e19	e143	e75	e58	e371	e3.3	e0.00	e0.00	e0.00
20	e0.05	e14	e12	e19	e194	e79	e59	e366	e0.06	e0.00	e0.00	e0.00
21	e0.00	e19	e16	e21	e109	e84	e88	e340	e0.00	e0.00	e0.00	e0.00
22	e0.85	e19	e19	e19	e99	e71	e54	e360	e0.00	e0.00	e6.6	e0.00
23	e0.00	e51	e6.5	e19	e96	e74	e53	e370	e0.00	e0.00	e1.7	e0.00
24	e0.00	e29	e4.7	e18	e106	e78	e169	e350	e0.00	e0.00	e0.00	e0.00
25	e0.02	e23	e1.5	e19	e98	e87	e404	e340	e0.00	e0.00	e0.00	e0.00
26	e1.6	e19	e1.1	e23	e94	e91	e180	e310	e0.00	e0.00	e0.00	e0.00
27	e2.2	e16	e35	e35	e95	e86	e61	e270	e0.00	e0.00	e0.00	e0.00
28	e4.4	e10	e45	e27	e90	e86	e51	e245	e0.20	e0.00	e0.00	e0.00
29	e4.0	e22	e16	e22	---	e92	e60	e228	e0.13	e0.00	e0.00	e664
30	e4.1	e8.2	e17	e31	---	e101	e80	e223	e0.00	e0.00	e0.00	e15
31	e2.7	---	e25	e23	---	e89	---	e197	---	e0.00	e0.00	---
TOTAL	243.11	334.37	481.4	593	2,012	2,804	7,166	10,158	1,830.69	0.67	9.95	791.70
MEAN	7.84	11.1	15.5	19.1	71.9	90.5	239	328	61.0	0.02	0.32	26.4
MAX	79	51	45	35	194	127	649	569	209	0.63	6.6	664
MIN	0.00	0.37	1.1	10	15	71	51	81	0.00	0.00	0.00	0.00
AC-FT	482	663	955	1,180	3,990	5,560	14,210	20,150	3,630	1.3	20	1,570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2005, BY WATER YEAR (WY)

MEAN	29.8	28.3	21.1	23.7	28.2	65.1	183	183	71.8	24.5	42.0	23.5
MAX	193	179	74.4	67.9	75.1	288	772	968	988	358	247	157
(WY)	(1987)	(1958)	(1987)	(1999)	(1987)	(1995)	(1985)	(1973)	(1958)	(1987)	(1991)	(1988)
MIN	0.00	2.22	0.20	0.25	0.34	7.77	0.96	0.00	0.00	0.00	0.13	0.00
(WY)	(1956)	(1997)	(1985)	(1985)	(1985)	(2002)	(1996)	(1972)	(1946)	(1947)	(1950)	(1945)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1943 - 2005

ANNUAL TOTAL	17,227.32	26,424.89	
ANNUAL MEAN	47.1	72.4	60.8
HIGHEST ANNUAL MEAN			178
LOWEST ANNUAL MEAN			10.6
HIGHEST DAILY MEAN	2,410	Apr 4	664
LOWEST DAILY MEAN	0.00	Jun 18	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 18	0.00
MAXIMUM PEAK FLOW			2,820
MAXIMUM PEAK STAGE			12.09
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	34,170	52,410	44,020
10 PERCENT EXCEEDS	102	235	149
50 PERCENT EXCEEDS	9.0	17	18
90 PERCENT EXCEEDS	0.00	0.00	0.00

a From rating curve extended above 3,000 ft³/s.

e Estimated

08329000 JEMEZ RIVER BELOW JEMEZ CANYON DAM, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-1988, 1990-1996, 2004 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY 04...	1330	263	620	636	7.7	101	8.2	436	21.5	19.5	99	33.7	3.67

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
MAY 04...	4.58	2	44.5	95	E115	38.4	.4	22.3	51.0	256	280	.37	1.8

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC MF, col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
MAY 04...	E.03	E.079	E.04	<.008	E.01	.025	1.21	5.0	<12,000	E180	<100	9	E.18

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Molybdenum, water, fltrd, ug/L (01060)
MAY 04...	8	65	<.06	204	<.04	<.8	.187	1.0	18	<.08	13.1	<.01	2.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspended sediment concentration mg/L (80154)
MAY 04...	1.45	<3	<.2	E.5	1.48	6,400

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

08329700 CAMPUS WASH AT ALBUQUERQUE, NM

LOCATION.--Lat 35°05'38", long 106°37'25", in SE ¼ sec.16, T.10 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on right bank 100 ft west of southwest corner of University of New Mexico North Golf Course, 200 ft downstream from Bareas Stormwater Pumping Station outfall, 600 ft downstream from Tucker Road bridge, and 1,500 ft northeast of intersection of Lomas and University Boulevards, in Albuquerque.

DRAINAGE AREA.--3.80 mi².

PERIOD OF RECORD.--April 1982 to September 1996 (seasonal records). October 1996 to current year.

GAGE.--Water-stage and rainfall recorder and concrete-lined channel. Elevation of gage is 5,143 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor. Recording rain gage at station. Prior to water year 1997, some minor streamflow may exist on days when daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment. See tabulation below for monthly precipitation, in inches.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.32	0.29	e0.20	0.10	0.19	0.02	0.30	0.82	0.48	0.51	0.36	1.3
2	0.23	0.27	e0.20	2.5	0.27	0.29	0.31	0.70	0.33	0.41	0.38	0.38
3	0.10	0.23	e0.20	2.7	e0.30	0.53	0.16	5.0	0.33	0.58	0.34	0.40
4	2.9	0.21	e0.20	7.1	e0.30	0.48	0.02	0.98	0.46	0.52	0.28	0.16
5	11	0.24	0.80	0.44	e0.30	4.2	0.30	0.46	0.43	0.47	0.31	0.27
6	0.71	0.33	0.25	e0.20	e0.30	3.6	0.17	0.39	0.50	0.51	0.35	5.2
7	0.42	0.15	e0.20	e0.20	0.47	0.78	0.24	0.54	0.36	0.50	0.40	0.41
8	0.35	0.10	0.29	0.15	0.68	0.74	0.26	0.20	0.45	0.41	0.48	0.30
9	0.24	0.15	0.34	0.17	0.37	0.55	0.46	0.39	0.76	0.50	0.34	1.9
10	0.13	0.19	0.37	0.35	0.26	0.72	2.2	0.39	0.45	0.60	0.40	0.66
11	8.2	0.17	0.34	0.33	3.3	0.54	0.53	0.72	0.38	0.57	0.51	1.1
12	0.50	0.20	0.09	0.29	10	0.57	0.33	0.59	0.56	0.60	0.93	0.54
13	2.3	0.21	0.10	e0.30	0.44	0.77	0.29	0.48	0.37	0.69	7.3	0.32
14	0.38	0.08	e0.20	0.36	0.31	9.6	0.24	0.34	0.39	0.64	0.51	0.15
15	0.35	0.16	e0.20	e0.30	0.69	2.4	0.47	0.25	0.54	0.64	3.7	0.26
16	0.20	0.27	0.15	0.30	0.45	1.7	17	0.46	0.54	0.52	0.47	0.25
17	0.54	0.23	e0.20	0.35	0.26	0.96	2.4	0.55	0.58	3.0	0.34	0.26
18	0.26	0.39	0.31	0.43	7.8	0.64	e0.30	0.44	0.40	0.50	0.29	0.23
19	0.25	3.6	e0.20	0.33	3.4	0.56	e0.60	0.47	0.31	0.25	0.36	0.25
20	0.23	0.56	e0.20	0.32	3.6	e0.50	e0.30	0.38	0.38	0.34	0.36	0.31
21	0.24	0.17	0.28	0.24	0.41	e0.40	e0.30	0.47	1.4	0.25	0.23	0.24
22	1.3	6.6	e0.20	0.30	0.68	e0.40	e0.30	0.52	0.34	0.43	0.32	0.30
23	0.37	6.4	e0.20	0.31	0.95	e0.30	e0.40	0.48	0.48	0.18	0.31	0.30
24	0.12	0.20	e0.20	0.29	1.3	e0.30	6.6	0.44	0.44	0.38	0.26	0.29
25	0.17	0.21	e0.20	0.51	0.16	e0.50	0.65	0.54	0.48	0.57	0.27	0.38
26	0.27	0.20	e0.20	0.17	0.29	e0.50	0.57	0.54	0.70	0.27	0.34	0.23
27	3.2	0.15	0.12	11	0.37	e0.30	0.66	0.58	0.70	0.23	0.24	0.22
28	0.28	0.09	e0.20	0.52	0.17	e0.30	0.51	0.45	0.46	6.5	0.31	9.7
29	0.27	e0.20	2.3	0.43	---	e0.30	0.67	0.40	0.46	0.37	0.30	18
30	0.19	e0.20	2.0	0.60	---	0.22	0.62	0.49	0.52	0.27	0.33	0.39
31	0.11	---	0.20	0.32	---	0.41	---	0.49	---	0.26	0.28	---
TOTAL	36.13	22.45	11.14	31.91	38.02	34.08	38.16	19.95	14.98	22.47	21.60	44.70
MEAN	1.17	0.75	0.36	1.03	1.36	1.10	1.27	0.64	0.50	0.72	0.70	1.49
MAX	11	6.6	2.3	11	10	9.6	17	5.0	1.4	6.5	7.3	18
MIN	0.10	0.08	0.09	0.10	0.16	0.02	0.02	0.20	0.31	0.18	0.23	0.15
AC-FT	72	45	22	63	75	68	76	40	30	45	43	89
(+)	2.01	0.83	0.33	1.10	0.70	0.66	1.61	0.30	0.22	0.20	0.80	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	1.20	0.59	0.36	0.41	0.62	0.95	0.90	0.59	0.85	1.45	1.28	1.09
MAX	2.39	0.76	0.58	1.03	1.36	1.97	1.58	1.06	1.65	2.81	2.49	2.44
(WY)	(2001)	(2001)	(2002)	(2005)	(2005)	(1998)	(2004)	(1998)	(2000)	(2004)	(1999)	(1997)
MIN	0.54	0.38	0.10	0.14	0.15	0.26	0.43	0.20	0.35	0.25	0.40	0.51
(WY)	(1998)	(2004)	(1997)	(2004)	(1997)	(1997)	(2003)	(2004)	(2003)	(2003)	(2004)	(2003)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	323.23		335.59			
ANNUAL MEAN	0.88		0.92		0.86	
HIGHEST ANNUAL MEAN					1.09	
LOWEST ANNUAL MEAN					0.58	
HIGHEST DAILY MEAN	47	Jul 23	18	Sep 29	47	Jul 23, 2004
LOWEST DAILY MEAN	0.00	Jan 4	0.02	Mar 1	0.00	Nov 28, 1996
ANNUAL SEVEN-DAY MINIMUM	0.08	Feb 10	0.16	Nov 8	0.05	Jan 6, 1997
MAXIMUM PEAK FLOW			340	Oct 5	1,230	Jul 14, 1990
MAXIMUM PEAK STAGE			2.11	Oct 5	4.50	Jul 14, 1990
ANNUAL RUNOFF (AC-FT)	641		666		623	
10 PERCENT EXCEEDS	0.81		1.8		1.1	
50 PERCENT EXCEEDS	0.23		0.37		0.43	
90 PERCENT EXCEEDS	0.10		0.20		0.14	

(+)Total precipitation accumulation, in inches.

e Estimated

08329720 EMBUDO ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°06'08", long 106°29'33", in NW 1/4 NE 1/4 sec.14, T.10 N., R.4 E., Bernalillo County, Hydrologic Unit 13020203, on left bank of concrete-lined channel, approximately 90 ft upstream from Monte Largo bridge over Embudo Arroyo, between Indian School Rd to the south and Rover St to the north in Albuquerque.

DRAINAGE AREA.--3.8 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and concrete weir control. Elevation of gage is 5,925 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Recording rain gage located in drainage basin, approximately 1 mi upstream. Site used for gathering water-quality data for undeveloped upper drainage basin, which represents undeveloped foothill east of Albuquerque.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.07	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.20	0.00
14	0.00	0.00	0.00	---	---	0.02	0.00	0.00	0.00	0.00	0.03	0.00
15	0.00	0.00	0.00	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.01	0.00	0.00
18	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.01	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.02
29	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03
30	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.01	0.00	0.00	---	---	0.03	0.00	0.00	0.00	0.01	0.23	0.05
MEAN	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00
MAX	0.01	0.00	0.00	---	---	0.02	0.00	0.00	0.00	0.01	0.20	0.03
MIN	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.02	0.00	0.00	---	---	0.06	0.00	0.00	0.00	0.02	0.5	0.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
MAX	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
(WY)	(2001)	(2001)	(1999)	(1999)	(1999)	(2003)	(2004)	(1999)	(2000)	(2000)	(1999)	(2005)
MIN	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)	(2000)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(2002)	(2002)	(1999)

SUMMARY STATISTICS

WATER YEARS 1999 - 2005

ANNUAL MEAN	0.00
HIGHEST ANNUAL MEAN	0.00
LOWEST ANNUAL MEAN	0.00
HIGHEST DAILY MEAN	0.41
LOWEST DAILY MEAN	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00
MAXIMUM PEAK FLOW	16
MAXIMUM PEAK STAGE	3.32
ANNUAL RUNOFF (AC-FT)	0.7
10 PERCENT EXCEEDS	0.00
50 PERCENT EXCEEDS	0.00
90 PERCENT EXCEEDS	0.00

08329835 NORTH FLOODWAY CHANNEL AT ALBUQUERQUE, NM

LOCATION.--Lat 35°07'03", long 106°36'42", in SE ¼ sec.3, T.10 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on right bank of concrete lined drainage channel, 300 ft downstream (north) of bridge on Candelaria Boulevard NE, and 3,000 ft downstream from confluence of Campus Wash and Embudo Arroyo in Albuquerque.

DRAINAGE AREA.--40.0 mi².

PERIOD OF RECORD.--May 1982 to September 1999 (seasonal records), October 1999 to current year.

GAGE.--Water-stage recorder and recording tipping-bucket rain gage with 0.01-in. increment, and concrete lined channel. Elevation of gage is 5,110 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor. Prior to water year 2001, some minor streamflow may exist on days when daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment. See tabulation below for monthly precipitation, in inches.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.7	e1.0	e1.0	1.1	2.3	1.6	1.1	1.3	1.1	1.2	13
2	1.3	1.4	e1.0	e30	1.2	2.1	1.5	1.1	1.3	0.98	0.79	7.0
3	1.4	1.2	e1.0	e20	1.4	2.0	1.4	39	1.1	1.0	0.77	4.4
4	89	1.3	e1.0	98	1.2	1.3	1.4	5.5	1.3	1.3	0.87	2.0
5	83	1.0	3.9	4.9	1.2	45	2.1	1.7	1.1	0.97	1.0	2.3
6	5.1	1.1	1.0	1.4	4.2	34	1.9	1.4	1.0	0.95	1.3	20
7	2.1	1.3	1.5	1.4	1.2	2.2	1.7	1.4	1.1	1.0	24	2.5
8	1.1	0.98	1.2	0.91	3.8	1.5	1.7	1.8	1.2	1.0	2.2	2.3
9	1.2	2.0	1.1	0.80	1.4	1.6	1.4	1.1	0.96	1.1	1.6	14
10	1.2	1.4	1.0	0.82	1.2	1.3	20	0.93	1.0	1.2	1.6	12
11	74	1.4	1.4	0.92	34	1.4	4.0	1.0	1.1	1.2	5.5	e7.0
12	2.6	1.8	1.1	1.1	149	1.1	1.9	1.2	1.4	1.00	9.4	e2.0
13	26	1.4	0.84	e1.0	3.4	4.1	1.2	2.4	0.64	2.9	238	1.7
14	2.5	1.4	0.92	e1.0	2.2	106	1.4	1.1	3.0	1.4	5.8	1.7
15	1.5	1.3	1.2	e1.0	2.1	e22	1.3	1.3	0.93	1.6	22	1.5
16	1.5	1.3	1.2	1.3	3.1	6.0	130	1.2	0.91	3.2	4.4	1.5
17	3.0	1.3	1.4	1.2	0.92	3.3	3.8	1.3	1.0	48	2.1	1.6
18	1.4	1.4	1.4	1.5	71	1.9	1.8	1.1	5.9	1.7	1.7	1.8
19	1.2	25	e1.0	0.91	34	1.7	1.2	2.3	1.1	2.2	1.6	1.7
20	1.1	2.5	e1.0	0.95	45	1.5	1.4	1.4	0.98	2.2	1.7	1.7
21	1.6	1.5	e1.0	1.8	2.1	1.7	1.7	1.3	30	2.1	2.0	1.4
22	13	42	e1.0	1.1	2.9	1.5	1.5	1.6	1.6	2.5	1.8	1.4
23	1.9	78	e1.0	1.4	7.6	1.4	1.6	1.8	0.84	44	1.6	1.5
24	2.5	1.1	e1.0	1.9	10	1.5	75	1.2	1.1	1.4	1.6	1.5
25	1.5	0.91	e1.0	1.8	4.2	3.0	3.0	0.93	1.1	2.4	1.8	1.6
26	1.9	1.1	e1.0	0.95	2.3	5.1	2.4	1.3	1.4	0.89	1.4	e2.0
27	30	1.2	e1.0	137	1.5	1.8	1.1	3.6	1.1	0.84	1.4	e2.0
28	1.7	e1.0	e1.0	3.1	1.5	1.4	1.1	1.5	1.2	55	1.8	105
29	2.5	e1.0	e1.0	4.3	---	1.5	1.0	1.1	1.2	1.3	1.5	266
30	1.4	e1.0	e30	6.0	---	1.5	1.2	1.3	1.1	0.95	1.5	e2.0
31	1.5	---	e1.0	1.1	---	0.97	---	1.1	---	0.83	1.3	---
TOTAL	361.1	180.99	74.16	330.56	394.72	263.67	272.3	86.76	64.16	192.41	345.23	486.1
MEAN	11.6	6.03	2.39	10.7	14.1	8.51	9.08	2.80	2.14	6.21	11.1	16.2
MAX	89	78	30	137	149	106	130	39	30	55	238	266
MIN	1.1	0.91	0.84	0.80	0.92	0.97	1.0	0.93	0.64	0.83	0.77	1.4
AC-FT	716	359	147	656	783	523	540	172	127	382	685	964
(+)	2.59	1.01	0.35	1.54	1.91	1.35	1.72	0.43	0.21	0.18	1.13	2.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004	2005
MEAN	9.89	5.22	2.50	3.84	6.51	7.61
MAX	26.2	8.68	3.25	10.7	14.1	12.5
(WY)	(2001)	(2001)	(2001)	(2005)	(2005)	(2000)
MIN	2.25	2.94	1.92	0.92	0.93	0.75
(WY)	(2002)	(2000)	(2003)	(2003)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2000 - 2005
ANNUAL TOTAL	2,933.81	3,052.16	
ANNUAL MEAN	8.02	8.36	6.11
HIGHEST ANNUAL MEAN			8.36
LOWEST ANNUAL MEAN			3.62
HIGHEST DAILY MEAN	261	266	266
LOWEST DAILY MEAN	0.83	0.64	0.03
ANNUAL SEVEN-DAY MINIMUM	0.98	0.92	0.36
MAXIMUM PEAK FLOW		3,650	8,180
MAXIMUM PEAK STAGE		8.00	12.10
ANNUAL RUNOFF (AC-FT)	5,820	6,050	4,430
10 PERCENT EXCEEDS	9.4	16	7.3
50 PERCENT EXCEEDS	1.4	1.4	1.9
90 PERCENT EXCEEDS	1.0	1.0	0.88

(+)Total precipitation accumulation, in inches.

e Estimated

08329840 HAHN ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°07'33", long 106°35'23", in SE 1/4 NE 1/4 sec.2, T.10 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, 860 ft below San Mateo Boulevard bridge on right bank, 750 ft north of Comanche Road, and 2,050 ft south of Montgomery Boulevard in Albuquerque.

DRAINAGE AREA.--4.23 mi².

PERIOD OF RECORD.--June 1978 to September 1996 (seasonal records), October 1996 to current year.

REVISED RECORD.--WDR NM-99-1: 1992-98(M) (mean daily values).

GAGE.--Water-stage and recording tipping-bucket rain gage with 0.01-in. increment and concrete-lined channel. Elevation of gage is 5,190 ft above NGVD of 1929, from topographic map. Prior to 1992, at site on downstream side of San Mateo Boulevard bridge, at different datum.

REMARKS.--Records good except for those estimated, which are poor. Some minor streamflow may exist on days when daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow-monitoring equipment. Recording rain gage at station. Development within basin is predominantly residential, but there are some commercial areas. See tabulation below for monthly precipitation, in inches.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.1	e1.5	1.4	2.3	2.1	1.5	0.60	2.6	4.4	1.2	1.9
2	1.0	0.68	e1.5	12	2.0	0.63	1.1	1.2	2.3	0.66	0.97	2.6
3	1.8	0.96	e1.5	11	1.0	1.3	1.1	10	1.9	3.7	1.1	2.0
4	22	0.83	e1.5	19	1.9	0.70	1.9	6.9	1.1	0.94	1.1	0.55
5	20	0.80	4.8	3.1	0.93	5.9	1.6	2.2	0.87	1.6	2.3	2.6
6	3.6	0.84	4.0	e2.0	2.9	14	2.2	3.4	2.5	1.8	0.34	2.0
7	2.7	0.86	1.8	e1.5	4.0	1.4	2.0	0.50	3.3	1.3	5.0	2.5
8	2.4	1.4	0.97	e1.5	4.5	0.81	1.8	0.63	3.4	1.4	2.1	2.0
9	3.9	0.98	1.4	e1.0	2.4	0.79	0.73	2.6	2.8	1.4	1.3	3.2
10	2.0	0.85	1.8	e1.0	2.1	0.89	8.7	2.2	2.6	1.3	2.0	3.1
11	16	0.82	1.5	e1.5	15	0.79	2.8	1.3	1.8	1.2	1.6	3.6
12	2.8	0.66	1.3	1.9	28	0.59	2.1	1.5	3.4	1.4	4.5	3.0
13	7.0	1.2	1.0	0.94	3.9	2.7	2.4	2.0	4.8	3.4	6.4	2.2
14	2.9	0.82	0.75	2.1	1.9	14	1.8	2.4	4.1	1.8	4.1	1.6
15	1.6	0.73	2.2	1.3	3.6	8.4	2.0	0.50	5.0	1.6	4.2	1.1
16	3.2	0.92	1.8	1.1	2.8	3.0	9.8	2.2	5.0	1.2	2.5	1.1
17	3.3	0.99	2.0	2.0	2.6	4.7	2.6	2.6	6.8	2.8	2.3	2.4
18	1.8	1.2	1.9	1.7	16	3.1	3.4	1.8	3.3	2.3	1.2	2.0
19	1.1	12	1.4	2.0	10	2.1	1.7	2.6	3.0	1.3	2.2	1.2
20	1.1	3.2	2.3	2.0	11	2.9	1.8	4.0	4.0	1.3	0.62	1.3
21	1.8	1.7	2.6	2.1	2.8	1.6	1.5	0.22	5.1	1.6	2.1	2.6
22	4.7	8.5	1.5	2.1	2.8	3.2	1.7	1.2	1.7	1.9	1.3	3.5
23	1.2	18	1.4	1.1	3.0	1.4	0.36	3.3	1.3	1.4	1.2	1.7
24	2.8	3.4	e1.5	1.6	3.9	2.2	14	2.3	1.3	2.4	2.9	1.4
25	2.0	2.5	e1.5	2.4	2.8	4.0	3.6	2.6	0.59	1.9	0.80	4.1
26	1.4	1.1	e1.5	2.9	1.1	3.1	4.1	3.1	3.1	1.5	1.1	2.1
27	12	0.95	e1.5	17	1.1	1.1	2.0	2.9	1.3	1.8	0.48	3.5
28	2.1	1.1	e1.5	3.2	1.0	1.9	1.6	0.36	2.1	2.0	2.0	6.7
29	3.0	e1.5	10	3.3	---	1.9	2.2	1.5	1.4	1.9	1.6	16
30	1.3	e1.5	8.0	5.8	---	2.6	0.25	2.7	1.6	0.16	1.8	3.7
31	0.92	---	1.3	1.9	---	2.0	---	1.7	---	0.80	1.5	---
TOTAL	134.72	72.09	69.22	113.44	137.33	95.80	84.34	73.01	84.06	54.16	63.81	87.25
MEAN	4.35	2.40	2.23	3.66	4.90	3.09	2.81	2.36	2.80	1.75	2.06	2.91
MAX	22	18	10	19	28	14	14	10	6.8	4.4	6.4	16
MIN	0.92	0.66	0.75	0.94	0.93	0.59	0.25	0.22	0.59	0.16	0.34	0.55
AC-FT	267	143	137	225	272	190	167	145	167	107	127	173
(+)	2.32	0.87	0.39	1.33	1.83	1.07	1.48	0.39	0.19	0.18	1.90	2.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

	2001	2005	1998	2002	2005	2004	2004	2001	1999	1997	2001	2002
MEAN	2.49	1.57	1.40	1.75	2.13	2.67	2.17	1.44	2.48	3.31	3.40	2.01
MAX	5.26	2.40	2.59	3.76	4.90	4.13	4.02	2.90	7.27	6.45	5.37	3.09
(WY)	(2001)	(2005)	(1998)	(2002)	(2005)	(2004)	(2004)	(2001)	(1999)	(1997)	(2001)	(2002)
MIN	0.91	0.21	0.08	0.58	0.43	1.00	1.09	0.73	0.68	1.57	1.84	0.63
(WY)	(2000)	(2000)	(2000)	(2003)	(1997)	(1997)	(2003)	(1998)	(1998)	(2003)	(2004)	(1998)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1997 - 2005

ANNUAL TOTAL	1,064.51	1,069.23	
ANNUAL MEAN	2.91	2.93	2.24
HIGHEST ANNUAL MEAN			3.37
LOWEST ANNUAL MEAN			1.40
HIGHEST DAILY MEAN	32	Mar 4	170
LOWEST DAILY MEAN	0.10	Apr 24	0.00
ANNUAL SEVEN-DAY MINIMUM	0.84	Jul 3	0.00
MAXIMUM PEAK FLOW		903	6,230
MAXIMUM PEAK STAGE		2.58	5.98
ANNUAL RUNOFF (AC-FT)	2,110	2,120	1,620
10 PERCENT EXCEEDS	6.1	5.0	4.5
50 PERCENT EXCEEDS	1.6	1.9	1.1
90 PERCENT EXCEEDS	0.80	0.88	0.19

(+)Total precipitation accumulation, in inches.
e Estimated

08329868 BEAR CANYON ARROYO NEAR ALBUQUERQUE,NM

LOCATION.--Lat 35°09'02", long 106°28'07", Bernalillo County, Hydrologic Unit 13020203, in Elena Gallegos Grant, on right bank of the arroyo approximately 1/2 mi east of gated and fenced property of High Resort Development. Elena Gallegos open space land. The gage is approximately 1/4 mi south of the dirt access road which leads to an Albuquerque public water supply reservoir tank.

DRAINAGE AREA.--5.0 mi².

PERIOD OF RECORD.--October 1999 to current year.

GAGE.--Water-stage recorder. Rain gage is located approximately 1/2 mi east. Elevation of gage is 6,395 ft above the National Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.67	0.75	1.0	0.40	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.64	0.75	1.0	0.38	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.61	0.75	1.0	0.37	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.59	0.75	0.98	0.36	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.58	0.76	0.94	0.28	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.67	0.75	0.91	0.25	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.62	0.77	0.87	0.23	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.61	0.79	0.87	0.20	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.59	0.79	0.86	0.17	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.60	0.79	0.85	0.15	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.59	0.79	0.84	0.14	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.61	0.78	0.82	0.12	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.61	0.78	0.82	0.09	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.68	0.79	0.82	0.02	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.63	0.79	0.81	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.64	0.86	0.80	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.68	1.0	0.78	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.70	1.1	0.75	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.69	1.2	0.73	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.23	0.71	1.1	0.70	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.78	0.70	1.1	0.67	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.97	0.70	1.1	0.64	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.84	0.72	1.1	0.61	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.80	0.72	1.2	0.59	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.75	0.73	1.2	0.57	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.77	0.73	1.2	0.58	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.82	0.74	1.2	0.56	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.77	0.75	1.2	0.55	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.78	1.1	0.52	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.76	1.1	0.49	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.75	---	0.46	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	6.73	20.80	28.34	23.39	3.16	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.24	0.67	0.94	0.75	0.11	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.97	0.78	1.2	1.0	0.40	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.58	0.75	0.46	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	13	41	56	46	6.3	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	0.00	0.00	(2001)	0.00	(2001)	0.05	0.13	(2005)	0.19	(2005)	0.15	0.02	(2005)	0.00	(2001)
	0.00	0.00	(2001)	0.00	(2001)	0.24	0.67	(2005)	0.94	(2005)	0.75	0.11	(2005)	0.00	(2001)
	0.00	0.00	(2001)	0.00	(2001)	0.00	0.00	(2005)	0.00	(2005)	0.00	0.00	(2005)	0.00	(2001)
	0.00	0.00	(2001)	0.00	(2001)	0.00	0.00	(2005)	0.00	(2005)	0.00	0.00	(2005)	0.00	(2001)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2001 - 2005
ANNUAL TOTAL	0.00	82.42	
ANNUAL MEAN	0.00	0.23	0.05
HIGHEST ANNUAL MEAN			0.23
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	0.00	1.2	1.2
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		1.4	1.4
MAXIMUM PEAK STAGE		3.87	3.87
ANNUAL RUNOFF (AC-FT)	0.00	163	33
10 PERCENT EXCEEDS	0.00	0.79	0.00
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

08329870 BEAR ARROYO AT JEFFERSON STREET AT ALBUQUERQUE, NM

LOCATION.--Lat 35°09'03", long 106°35'52", Bernalillo County, Hydrologic Unit 13020203, in Elena Gallegos Grant, on the right bank, 1,320 ft downstream from the Jefferson Street bridge over Bear Arroyo, approximately 1/4 mi south of the intersection of Jefferson Street with Osuna Road in the northeast quadrant of Albuquerque.

DRAINAGE AREA.--Controlled by detention pond upstream.

PERIOD OF RECORD.--June 2003 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control weir. Elevation of gage is 5,130 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 759 ft³/s, Oct. 4, 2004, gage height, 5.34 ft, from standard design rating of concrete weir. No flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 759 ft³/s, Oct. 4, gage height, 5.34 ft. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.47	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	1.1	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	18	0.00	0.00	10	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	0.00	0.00	0.00	---	1.7	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	---	---	3.5	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.05
10	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.21
11	2.6	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.48	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	24	0.00
14	0.00	0.00	0.00	---	---	3.3	0.00	0.00	0.00	0.00	0.32	0.00
15	0.00	0.00	0.00	---	---	3.1	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	---	---	0.00	9.1	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	---	---	0.08	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	1.0	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	5.4	0.00	---	---	0.00	0.00	0.00	0.00	4.9	0.00	0.00
24	0.00	0.00	0.00	---	---	0.00	5.8	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.41	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	4.2
29	0.00	0.00	0.05	---	---	0.00	0.00	0.00	0.00	0.00	0.00	36
30	0.00	0.00	1.2	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.47
31	0.00	---	0.00	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	49.49	6.40	1.25	---	---	---	14.90	0.00	0.00	4.90	24.32	40.93
MEAN	1.60	0.21	0.04	---	---	---	0.50	0.00	0.00	0.16	0.78	1.36
MAX	28	5.4	1.2	---	---	---	9.1	0.00	0.00	4.9	24	36
MIN	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	98	13	2.5	---	---	---	30	0.00	0.00	9.7	48	81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	0.96	0.18	0.02	0.00	0.44	0.44	0.72	0.00	0.03	0.52	0.36	0.58
MAX	1.60	0.21	0.04	0.00	0.44	0.44	0.95	0.00	0.07	1.42	0.78	1.36
(WY)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)
MIN	0.32	0.15	0.00	0.00	0.44	0.44	0.50	0.00	0.00	0.00	0.12	0.01
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2003)	(2003)	(2003)

08329882 PINO ARROYO AT JEFFERSON STREET AT ALBUQUERQUE, NM

LOCATION.--Lat 35°09'34", long 106°35'51", Bernalillo County, Hydrologic Unit 13020203, in the Elena Gallegos Grant, on the right bank 1,200 ft downstream from the Jefferson Street culvert over Pino Arroyo, approximately 1,200 ft north of the intersection of Jefferson St. and Osuna Road in northeast Albuquerque.

DRAINAGE AREA.--8.3 mi² (but is controlled by detention pond upstream).

PERIOD OF RECORD.--May 18, 2000, to December 4, 2003, March 2004 to current year (seasonal records).

GAGE.--Water-stage recorder, crest-stage gage, and concrete-lined channel. Elevation of gage is 5,119 ft above NGVD of 1929, from topographic map.

REMARKS.--Water-stage records good except for those estimated, which are fair. Since installation of the large static tube around the orifice on Aug. 22, 2001, only flows more than about 0.03 ft deep (1.03 ft on recorder) will cover the orifice sufficiently to record true water depths. This channel often shows trickle flows not related to rainfall.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 728 ft³/s, July 12, 2004, gage height, 3.55 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 546 ft³/s, July 23, gage height, 3.22 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	e0.00	0.05	---	---	0.07	0.07	0.00	0.04	0.00	0.37
2	0.00	0.00	e0.00	2.4	---	e0.01	0.00	0.18	0.00	0.01	0.00	0.02
3	0.00	0.01	e0.00	1.7	---	0.01	0.02	0.91	0.00	0.03	0.02	0.00
4	0.00	0.00	e0.00	3.5	---	0.00	0.02	0.20	0.17	0.00	0.00	0.00
5	0.00	0.00	e0.00	0.13	---	2.9	0.02	0.31	0.00	0.03	0.01	0.00
6	0.07	0.00	e0.00	e0.05	---	1.7	0.00	0.16	0.00	0.05	0.10	0.00
7	0.07	0.00	e0.00	---	---	0.01	0.00	0.00	0.00	0.10	0.19	0.00
8	0.01	0.00	0.00	---	---	0.01	0.00	0.00	0.00	0.05	0.19	0.00
9	0.00	0.01	0.02	---	---	0.00	0.00	0.00	0.00	0.09	0.02	2.1
10	0.00	0.00	0.00	---	---	0.00	1.0	0.01	0.00	0.05	0.03	0.27
11	3.9	0.04	0.01	---	---	0.00	0.02	0.00	0.07	0.14	1.5	0.22
12	0.02	0.00	0.00	---	---	0.00	0.06	0.00	0.00	0.29	0.46	0.01
13	1.3	0.05	0.00	---	---	0.02	0.01	0.00	0.00	0.02	17	0.00
14	0.01	0.06	0.20	---	---	5.5	0.02	0.00	0.09	0.00	0.40	0.00
15	0.01	0.06	0.04	---	---	4.5	0.02	0.00	0.56	0.16	0.32	0.00
16	0.01	0.00	0.00	---	---	e10	11	0.00	0.47	0.10	0.15	0.01
17	0.03	0.00	0.18	---	---	1.1	0.02	0.00	0.16	0.08	0.02	0.01
18	0.03	0.03	0.09	---	---	0.10	0.08	0.00	0.24	0.01	0.00	0.00
19	0.01	1.1	0.07	---	---	0.03	0.11	0.00	0.41	0.00	0.02	0.00
20	0.00	0.00	e0.00	---	---	0.07	0.00	0.00	0.30	0.00	0.00	0.00
21	0.00	0.00	e0.00	---	---	0.00	0.00	0.00	3.2	0.00	0.01	0.00
22	0.64	3.2	e0.00	---	---	0.00	0.00	0.00	0.26	0.00	0.02	0.00
23	0.00	2.7	e0.00	---	---	0.00	0.00	0.00	0.14	9.7	0.02	0.03
24	0.00	0.00	e0.00	---	---	0.00	3.4	0.00	0.23	0.01	0.00	0.04
25	0.00	0.00	e0.00	---	---	0.27	0.22	0.00	0.29	0.00	0.02	0.01
26	0.00	0.00	e0.00	---	---	0.49	0.15	e0.00	0.30	0.00	0.08	0.02
27	2.1	0.00	e0.00	---	---	0.02	0.07	1.4	0.10	0.00	0.00	0.03
28	0.01	0.00	0.37	---	---	0.04	0.07	0.00	0.06	0.07	0.00	9.6
29	0.10	0.61	1.2	---	---	0.11	0.06	0.00	0.03	0.00	0.01	21
30	0.00	e0.00	0.62	---	---	0.08	0.04	1.5	0.05	0.00	0.03	0.39
31	0.00	---	0.02	---	---	0.09	---	0.01	---	0.00	0.12	---
TOTAL	8.32	7.87	2.82	---	---	---	16.48	4.75	7.13	11.03	20.74	34.13
MEAN	0.27	0.26	0.09	---	---	---	0.55	0.15	0.24	0.36	0.67	1.14
MAX	3.9	3.2	1.2	---	---	---	11	1.5	3.2	9.7	17	21
MIN	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	17	16	5.6	---	---	---	33	9.4	14	22	41	68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	0.60	0.32	0.18	0.30	0.30	0.40	0.40	0.21	0.41	0.66	0.85	0.64
MAX	1.72	0.94	0.48	0.80	0.70	0.65	0.73	0.89	1.18	1.65	1.99	1.14
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2004)	(2001)	(2005)
MIN	0.00	0.04	0.06	0.01	0.00	0.00	0.00	0.00	0.05	0.00	0.07	0.30
(WY)	(2002)	(2003)	(2002)	(2003)	(2002)	(2002)	(2003)	(2004)	(2003)	(2003)	(2004)	(2003)

e Estimated

08329888 LA CUEVA ARROYO TRIBUTARY AT ALBUQUERQUE, NM

LOCATION.--Lat 35°11'22", long 106°29'43", Bernalillo County, Hydrologic Unit 13020203, in Elena Gallegos Grant, on the left bank of concrete-lined arroyo, approximately 100 ft upstream from a box culvert passing under Tramway Boulevard, in the extreme northeast corner of Albuquerque city limits. This site is located approximately 0.2 mi south of the old gage site La Cueva Arroyo Tributary at Tramway Boulevard (08329890).

DRAINAGE AREA.--0.5103 mi².

PERIOD OF RECORD.--May 1999 to current year (seasonal records).

GAGE.--Water-stage recorder. A tipping-bucket rain gage recording in 0.01-inch increments is located approximately 0.25 mi north of gage. Elevation of gage is 6,080 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12 ft³/s, Aug. 14, 2001, gage height, 1.56 ft. No flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 11.0 ft³/s, Sept. 29, gage height, 1.54 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.01	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01
3	0.00	0.00	0.00	0.01	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00
4	0.04	0.00	0.00	0.01	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.01	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.06	0.00
14	0.00	0.00	0.00	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	---	---	0.05	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	---	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.03	0.00	0.00	0.00
22	0.00	0.01	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	---	---	0.00	0.02	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03
29	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.19
30	0.00	0.00	0.00	---	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00
31	0.00	---	0.00	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.06	0.01	0.00	---	---	0.08	0.03	0.02	0.03	0.00	0.06	0.23
MEAN	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01
MAX	0.04	0.01	0.00	---	---	0.05	0.02	0.01	0.03	0.00	0.06	0.19
MIN	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.1	0.02	0.00	---	---	0.2	0.06	0.04	0.06	0.00	0.1	0.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

	(2001)	(2001)	(2000)	(2000)	(2003)	(2005)	(2004)	(2005)	(2001)	(2001)	(2001)	(2005)
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
(WY)	(2001)	(2001)	(2000)	(2000)	(2003)	(2005)	(2004)	(2005)	(2001)	(2001)	(2001)	(2005)
MIN	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)	(2002)	(2000)	(2000)	(2000)	(2000)	(2001)	(2000)	(2000)	(2000)	(2003)	(2003)	(2000)

08329900 NORTH FLOODWAY CHANNEL NEAR ALAMEDA, NM

LOCATION.--Lat 35°11'53", long 106°35'59", Bernalillo County, Hydrologic Unit 13020203, in Elena Gallegos Grant, on left bank 0.5 mi upstream from Edith Boulevard, 1.1 mi upstream from mouth, and 1.2 mi northeast of Alameda.

DRAINAGE AREA.--87.9 mi².

PERIOD OF RECORD.--July 1968 to September 1989 (seasonal records), October 1989 to current year.

GAGE.--Water-stage recorder with satellite telemetry, recording rain gage, and concrete-lined channel. Elevation of gage is 5,015 ft above NGVD of 1929, from U.S. Army Corps of Engineers plan and profile map. Recording tipping-bucket rain gage, recording in 0.01-in. increments, since Dec. 8, 2001.

REMARKS.--Water-discharge records good except for those estimated, which are poor. For water years 1997-99, low-flow values of 15 ft³/s or less were obtained from gaging station (08329914), 1,000 ft downstream. Prior to water year 1997, any discharges below 15 ft³/s were reported as "zero flow" in the mean daily values tables. Floodway channel intercepts flow of numerous arroyos in northeast Albuquerque and discharges into the Rio Grande at a point 1.6 mi north of Alameda. See tabulation below for monthly precipitation, in inches.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.2	e0.30	e0.80	1.2	1.1	1.0	1.1	0.85	3.2	1.7	15
2	1.2	1.1	e0.40	41	e1.0	1.0	1.7	1.3	1.00	2.5	1.4	6.2
3	1.5	0.89	e0.50	32	e1.0	1.2	1.0	57	1.1	3.2	2.3	7.7
4	97	0.91	e0.50	152	e1.0	1.1	1.3	19	0.80	2.6	2.4	1.5
5	203	0.95	11	14	e1.0	32	1.3	2.0	0.70	3.0	3.2	1.4
6	2.0	0.98	2.5	e1.5	9.3	79	1.2	1.9	1.2	2.6	2.1	16
7	e12	0.85	1.2	e1.0	3.9	1.9	1.1	1.3	1.7	2.4	28	3.1
8	1.5	1.1	e1.0	e1.0	6.9	1.1	1.4	1.6	3.0	2.1	3.9	1.2
9	1.5	1.3	e1.0	2.0	1.8	0.85	1.4	1.7	3.3	1.8	1.6	12
10	1.4	2.6	e1.0	2.1	1.7	1.1	25	1.6	3.2	2.0	1.5	27
11	101	1.3	1.4	1.6	67	1.0	17	1.4	2.1	2.4	4.1	7.7
12	7.2	1.6	1.8	1.3	260	1.0	3.0	1.7	3.3	1.9	25	2.6
13	39	1.4	1.5	e1.0	7.4	1.5	1.6	3.6	2.1	3.6	357	1.8
14	3.3	0.96	e1.0	e1.0	2.2	134	1.4	1.6	6.8	e2.4	20	1.2
15	0.72	1.1	e1.0	1.7	4.2	70	1.7	1.3	4.8	e2.7	19	1.1
16	0.52	1.0	2.6	1.5	6.8	8.8	179	1.4	2.8	4.0	11	1.2
17	2.4	1.1	e1.0	1.7	1.2	11	13	1.5	4.2	43	2.4	1.1
18	2.1	1.3	e1.0	2.0	109	2.0	2.3	2.1	3.1	11	1.8	1.2
19	1.1	50	2.4	1.4	58	1.2	1.5	2.2	2.3	1.7	1.8	1.3
20	1.0	1.2	2.8	1.3	69	1.0	1.1	1.4	2.9	1.5	1.7	1.2
21	1.4	e0.93	2.9	2.7	4.7	0.87	1.3	1.1	69	1.5	2.2	2.0
22	23	23	e2.0	1.5	3.7	2.3	1.8	1.1	5.1	1.6	2.2	2.2
23	2.5	128	e1.0	3.1	2.1	2.0	2.0	2.7	1.4	80	1.7	2.2
24	3.0	1.8	e1.0	3.7	26	1.7	110	2.4	1.4	e5.0	2.0	1.9
25	2.0	0.79	e1.0	2.5	3.9	6.9	3.6	2.2	1.9	e2.8	2.0	1.8
26	2.0	0.47	e1.0	1.4	2.4	10	5.9	2.8	2.2	0.61	1.9	1.8
27	57	0.70	e1.0	205	0.93	3.9	1.7	8.0	2.3	0.38	1.6	4.6
28	2.0	0.23	e1.0	10	1.0	2.0	1.3	5.9	3.0	50	1.7	92
29	4.4	e0.20	12	5.8	---	1.4	1.4	2.3	3.0	5.8	2.1	354
30	1.7	e0.20	51	20	---	1.3	1.6	21	2.2	0.61	1.6	2.8
31	1.5	---	0.73	2.4	---	1.2	---	e2.0	---	1.2	2.0	---
TOTAL	581.34	229.16	110.53	520.00	658.33	385.42	388.6	158.2	142.75	249.10	512.9	576.8
MEAN	18.8	7.64	3.57	16.8	23.5	12.4	13.0	5.10	4.76	8.04	16.5	19.2
MAX	203	128	51	205	260	134	179	57	69	80	357	354
MIN	0.52	0.20	0.30	0.80	0.93	0.85	1.0	1.1	0.70	0.38	1.4	1.1
AC-FT	1,150	455	219	1,030	1,310	764	771	314	283	494	1,020	1,140
(+)	1.49	0.16	0.25	1.39	2.09	1.36	1.12	0.43	0.51	0.59	1.57	1.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	11.9	6.67	2.69	4.08	5.59	8.96	8.95	7.06	8.37	21.9	26.8	14.8				
MAX	38.3	16.9	8.32	16.8	23.5	21.3	42.9	30.5	25.0	67.9	45.7	34.5				
(WY)	(2001)	(1995)	(1994)	(2005)	(2005)	(2000)	(1997)	(1994)	(1996)	(1997)	(1994)	(1991)				
MIN	2.16	0.00	0.00	0.00	0.00	0.55	0.78	0.92	1.42	1.17	6.54	2.15				
(WY)	(1996)	(1990)	(1990)	(1990)	(1991)	(1991)	(2000)	(1998)	(1998)	(2003)	(2003)	(2000)				

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1990 - 2005

ANNUAL TOTAL	4,360.43	4,513.13		
ANNUAL MEAN	11.9	12.4	10.7	
HIGHEST ANNUAL MEAN			20.2	1997
LOWEST ANNUAL MEAN			5.52	2003
HIGHEST DAILY MEAN	371	Jul 23	357	Aug 13
LOWEST DAILY MEAN	0.11	Jul 10	0.20	Nov 29
ANNUAL SEVEN-DAY MINIMUM	0.33	Nov 28	0.33	Nov 28
MAXIMUM PEAK FLOW			4,790	Oct 4
MAXIMUM PEAK STAGE			6.40	Oct 4
ANNUAL RUNOFF (AC-FT)	8,650	8,950	7,750	10,40
10 PERCENT EXCEEDS	19	24	16	1.7
50 PERCENT EXCEEDS	1.2	1.9	1.7	0.12
90 PERCENT EXCEEDS	0.69	1.0		

(+)Total precipitation accumulation, in inches.

e Estimated

08329911 NORTH CAMINO ARROYO AT SUNSET HILLS IN ALBUQUERQUE, NM

LOCATION.--Lat 35°11'40", long 106°31'57", Bernalillo County, Hydrologic Unit 13020203, in Elena Gallegos Grant, on right bank of concrete-lined arroyo, 10 ft above Holbrook Avenue bridge over North Camino Arroyo. This is located approximately 100 ft north of intersection of Holbrook Avenue and Elena Drive, and 1.3 mi north of Paseo del Norte, on the northern edge of Albuquerque.

DRAINAGE AREA.--2.06 mi².

PERIOD OF RECORD.--August 1997 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation of gage is 5,645 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39 ft³/s, at 1955 hours, July 23, 2001, gage height, 1.38 ft, from step-forward analysis of concrete-lined stream channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 14 ft³/s, Oct. 27, gage height, 1.23 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2	0.00	0.00	0.00	0.22	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.01	0.00	0.00	0.22	---	0.02	0.00	0.18	0.00	0.00	0.00	0.00
4	0.32	0.00	0.00	0.45	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1.0	0.00	0.17	e0.10	---	0.13	0.00	0.00	0.00	0.00	0.00	0.00
6	0.03	0.00	0.07	---	---	0.22	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.01	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.09
10	0.00	0.00	0.00	---	---	0.00	0.08	0.00	0.00	0.00	0.00	0.01
11	1.5	0.00	0.00	---	---	0.00	0.01	0.00	0.01	0.00	0.07	0.01
12	0.43	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.65	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.71	0.00
14	0.27	0.00	0.00	---	---	0.35	0.00	0.00	0.00	0.00	0.35	0.00
15	0.00	0.00	0.00	---	---	0.31	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	---	---	0.18	0.24	0.00	0.00	0.01	0.10	0.00
17	0.19	0.00	0.00	---	---	0.01	0.03	0.00	0.00	0.00	0.00	0.00
18	0.01	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.09	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.03	0.00	---	---	0.02	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.05	---	---	0.00	0.00	0.00	0.25	0.00	0.00	0.00
22	0.43	0.08	0.03	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.26	e0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	---	---	0.00	0.13	0.00	0.06	0.00	0.00	0.00
25	0.00	0.00	0.00	---	---	0.06	0.03	0.00	0.00	0.00	0.04	0.00
26	0.00	0.00	0.00	---	---	0.12	0.02	0.00	0.00	0.00	0.01	0.00
27	1.4	0.00	0.00	---	---	0.00	0.00	0.04	0.00	0.00	0.00	0.00
28	0.01	0.00	0.00	---	---	0.00	0.00	0.03	0.00	0.04	0.00	0.17
29	0.35	0.10	0.12	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.85
30	0.00	e0.00	0.08	---	---	0.00	0.00	0.06	0.00	0.00	0.00	0.09
31	0.00	---	0.00	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	6.60	0.56	0.53	---	---	1.42	0.54	0.31	0.32	0.05	1.28	1.23
MEAN	0.21	0.02	0.02	---	---	0.05	0.02	0.01	0.01	0.00	0.04	0.04
MAX	1.5	0.26	0.17	---	---	0.35	0.24	0.18	0.25	0.04	0.71	0.85
MIN	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	13	1.1	1.1	---	---	2.8	1.1	0.6	0.6	0.1	2.5	2.4

e Estimated

08329918 RIO GRANDE AT ALAMEDA BRIDGE AT ALAMEDA, NM

LOCATION.--Lat 35°11'49", long 106°38'27", Bernalillo County, Hydrologic Unit 13020203, on upstream side of pedestrian bridge 100 ft upstream from Alameda bridge in Albuquerque, and at mile 1532.8.

DRAINAGE AREA.--17,250 mi², approximately, including 1,532.8 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,050 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Flow completely regulated since November 1973 by Cochiti Dam (station 08317300), 47 mi upstream. Possible regulation by operation of reservoirs on Rio Chama and by flood- and silt-detention reservoirs on Galisteo Creek and Jemez River (stations 08285000, 08286900, 08317900, 08328500). Diversions upstream from station for irrigation of about 714,000 acres, several hundred of which are downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e202	282	e802	692	767	1,260	885	4,780	6,010	2,680	559	e538
2	e195	330	e746	724	749	1,260	812	4,740	6,340	2,510	566	e602
3	e216	345	655	729	742	942	e832	4,730	6,460	1,770	583	e589
4	e200	342	683	957	754	725	e826	4,560	6,440	1,700	587	e569
5	1,050	336	696	761	736	699	e809	4,470	6,370	1,690	577	493
6	1,230	333	e725	792	724	852	e918	4,430	6,320	1,450	597	495
7	292	321	e811	754	725	732	e938	4,530	6,180	1,300	598	474
8	285	309	e876	695	728	673	e1,150	4,540	6,120	1,320	594	392
9	288	533	e881	681	721	682	1,520	4,550	6,020	e1,150	540	371
10	252	584	e889	739	713	690	1,610	4,550	5,930	e1,090	523	388
11	340	560	e894	e795	758	686	1,670	4,650	5,490	1,010	526	366
12	225	541	e888	e805	1,260	689	2,160	5,300	5,420	807	545	378
13	226	547	e899	e802	979	681	2,490	5,350	5,350	690	990	375
14	350	578	e959	e788	897	805	2,810	5,350	5,320	687	831	375
15	240	598	e1,010	e788	958	1,010	3,100	5,290	5,300	674	e512	386
16	238	654	e1,010	e785	982	1,090	3,660	5,300	4,910	557	533	428
17	279	711	e1,000	e783	949	895	3,680	5,280	4,890	600	539	434
18	266	714	1,000	e782	1,060	893	3,890	5,320	4,890	672	516	446
19	249	712	e989	645	1,170	1,010	4,530	5,320	4,850	515	515	453
20	228	713	e991	588	1,380	1,050	4,490	5,620	4,790	508	488	476
21	238	719	e981	592	1,230	1,110	4,630	5,710	4,580	445	471	447
22	247	728	e974	644	1,120	1,000	4,850	5,790	4,490	444	431	435
23	237	967	940	676	1,250	963	4,870	5,840	4,430	554	454	439
24	220	723	687	695	e1,500	942	5,010	5,890	4,140	499	472	462
25	219	e758	632	712	e1,460	928	4,690	5,920	3,910	455	445	478
26	206	e722	605	713	e1,410	951	5,010	5,730	3,850	444	443	489
27	323	e769	611	1,000	e1,400	954	4,940	5,720	3,260	481	476	498
28	207	e810	515	757	e1,390	941	4,900	5,810	3,180	544	481	553
29	189	e829	560	735	---	794	4,880	5,890	3,140	523	515	1,600
30	191	e822	640	758	---	885	4,850	5,980	2,940	539	492	1,100
31	232	---	659	768	---	939	---	5,990	---	554	481	---
TOTAL	9,360	17,890	25,208	23,135	28,512	27,731	91,410	162,930	151,320	28,862	16,880	15,529
MEAN	302	596	813	746	1,018	895	3,047	5,256	5,044	931	545	518
MAX	1,230	967	1,010	1,000	1,500	1,260	5,010	5,990	6,460	2,680	990	1,600
MIN	189	282	515	588	713	673	809	4,430	2,940	444	431	366
AC-FT	18,570	35,480	50,000	45,890	56,550	55,000	181,300	323,200	300,100	57,250	33,480	30,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	2003	2004	2005	2003	2004	2005	2003	2004	2005	2003	2004	2005
MEAN	312	504	660	605	753	915	2,323	3,823	2,856	711	421	332
MAX	322	596	813	746	1,018	936	3,047	5,256	5,044	931	545	518
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
MIN	302	411	507	464	498	895	1,599	2,390	668	491	305	221
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	283,743		598,767			
ANNUAL MEAN	775		1,640		1,188	
HIGHEST ANNUAL MEAN					1,640	
LOWEST ANNUAL MEAN					736	
HIGHEST DAILY MEAN	3,460	May 14	6,460	Jun 3	6,460	Jun 3, 2005
LOWEST DAILY MEAN	126	Aug 8	189	Oct 29	126	Aug 8, 2004
ANNUAL SEVEN-DAY MINIMUM	156	Sep 23	222	Oct 24	156	Sep 23, 2004
MAXIMUM PEAK FLOW			6,610	Jun 3	6,610	Jun 3, 2005
MAXIMUM PEAK STAGE			14.20	Jun 3	14.20	Jun 3, 2005
INSTANTANEOUS LOW FLOW			157	Oct 13	104	Aug 6, 2004
ANNUAL RUNOFF (AC-FT)	562,800		1,188,000		860,300	
10 PERCENT EXCEEDS	1,710		5,010		3,460	
50 PERCENT EXCEEDS	532		768		589	
90 PERCENT EXCEEDS	227		348		250	

e Estimated

08329918 RIO GRANDE AT ALAMEDA BRIDGE AT ALAMEDA, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2004 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 2005 to September 2005.

WATER TEMPERATURE: February 2005 to September 2005.

INSTRUMENTATION.--Hourly specific conductance and thermistor data logged since February 2005.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,080 microsiemens, Sept. 29, 2005; minimum, 78 microsiemens, Sept. 29, 2005.

WATER TEMPERATURE: Maximum, 31.0 °C, July 19, 2005, Aug. 9, 2005; minimum 2.0 °C, Mar. 15, 2005.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,080 microsiemens, Sept. 29; minimum, 78 microsiemens, Sept. 29.

WATER TEMPERATURE: Maximum, 31.0 °C, July 19, Aug. 9; minimum, 2.0 °C March 15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00916)
NOV 09...	1230	588	--	637	9.0	103	8.2	377	12.0	13.0	140	42.8	91.0
MAY 05...	1510	4,480	95	637	8.8	101	8.1	268	24.5	13.5	99	31.4	--
AUG 24...	1140	439	--	638	7.0	97	8.4	302	25.0	22.5	110	36.9	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Magnesium, water, unfltrd recover-able, mg/L (00925)	Magnesium, water, unfltrd recover-able, mg/L (00927)	Potassium, water, unfltrd recover-able, mg/L (00935)	Potassium, water, unfltrd recover-able, mg/L (00937)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, water, unfltrd recover-able, mg/L (00929)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
NOV 09...	7.21	13.2	3.31	5.1	.9	24.2	22.7	124	E148	E1	8.17	.5	18.2
MAY 05...	5.07	--	2.31	--	.6	14.7	--	84	101	--	6.56	.2	17.2
AUG 24...	5.37	--	2.91	--	.6	15.8	--	101	119	2	4.87	.3	19.4

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)
NOV 09...	50.3	229	228	.18	1.4	<.04	--	.11	<.008	.04	.053	.67	2.3
MAY 05...	37.4	165	180	.24	.48	<.04	E.041	.08	<.008	E.01	.027	.19	3.9
AUG 24...	38.7	185	202	.30	.38	<.04	--	<.06	<.008	E.02	.032	.134	3.8

08329918 RIO GRANDE AT ALAMEDA BRIDGE AT ALAMEDA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Organic carbon, water, unfltrd mg/L (00680)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Aluminum, water, fltrd, ug/L (01106)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recover-able, ug/L (01007)	Beryllium, water, fltrd, ug/L (01010)	Beryllium, water, unfltrd recover-able, ug/L (01012)
NOV 09...	16.2	>5,300	--	1,780	E1	11,100	E.11	3	5	78	397	<.06	M
MAY 05...	--	<8	93	252	17	--	E.12	E2	--	56	--	<.06	--
AUG 24...	--	<100	<59	33	4	--	E.11	2.3	--	61	--	<.06	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)
NOV 09...	49	E.03	E.2	<.8	6.3	.279	6.1	.8	20	<6	8,350	<.08	14.1
MAY 05...	36	<.04	--	<.8	--	.145	--	1.1	--	18	--	E.05	--
AUG 24...	27	<.04	--	<.8	--	.125	--	1.2	--	<6	--	<.08	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Lithium water unfltrd recover-able, ug/L (01132)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd recover-able, ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover-able, ug/L (01077)
NOV 09...	47	1.6	544	<.01	.02	5.5	2.5	.74	12.4	<3	<3	<.2	<.3
MAY 05...	--	3.7	--	<.01	--	2.0	--	1.47	--	<3	--	<.2	--
AUG 24...	--	1.0	--	<.01	--	4.4	--	1.75	--	.16	--	<.2	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Strontium, water, unfltrd recover-able, ug/L (01082)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)	Gross alpha radioac water unfltrd pCi/L (01519)	Gross beta radioac water unfltrd pCi/L (85817)	Ra-226, water, unfltrd pCi/L (09501)	Ra-228, water, unfltrd pCi/L (11501)	Sr-90, water, unfltrd pCi/L (13501)	Tritium 2-sigma water unfltrd pCi/L (75985)	Tritium water unfltrd pCi/L (07000)	Uranium natural water, fltrd, ug/L (22703)	Suspended sediment concentration mg/L (80154)
NOV 09...	477	.9	37	8.1	32	.34	.81	.28	1.3	18	3.16	1,290
MAY 05...	--	.9	--	--	--	--	--	--	--	--	1.39	11,400
AUG 24...	--	--	--	3.5	6.4	.18	.35	.07	1.6	23	1.71	--

Remark codes used in this table:

< -- Less than.

> -- Greater than.

E -- Estimated.

M -- Presence verified but not quantified.

08329918 RIO GRANDE AT ALAMEDA BRIDGE AT ALAMEDA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	1,2-Di-bromoethane, water, unfltrd ug/L (77651)	1,2-Di-chlorobenzene, water, unfltrd ug/L (34536)	1,2-Di-chloroethane, water, unfltrd ug/L (32103)	1,2-Di-chloropropane, water, unfltrd ug/L (34541)	1,3,5-Tri-methylbenzene, water, unfltrd ug/L (77226)	1,3-Di-chlorobenzene, water, unfltrd ug/L (34566)	1,3-Di-chloropropane, water, unfltrd ug/L (77173)	1,4-Di-chlorobenzene, water, unfltrd ug/L (34571)	2,2-Di-chloropropane, water, unfltrd ug/L (77170)	2-Chlorotoluene, water, unfltrd ug/L (77275)	4-Chlorotoluene, water, unfltrd ug/L (77277)	4-Iso-propyltoluene, water, unfltrd ug/L (77356)	Acrylonitrile, water, unfltrd ug/L (34215)
NOV 09...	<.2	<.1	<.2	<.1	<.2	<.1	<.2	<.1	<.2	<.2	<.2	<.2	<.2.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Benzene, water, unfltrd ug/L (34030)	Bromobenzene, water, unfltrd ug/L (81555)	Bromo-chloromethane, water, unfltrd ug/L (77297)	Bromo-di-chloromethane, water, unfltrd ug/L (32101)	Bromo-methane, water, unfltrd ug/L (34413)	Chlorobenzene, water, unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloro-methane, water, unfltrd ug/L (34418)	cis-1,2-Di-chloroethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloropropene, water, unfltrd ug/L (34704)	Di-bromo-chloromethane, water, unfltrd ug/L (32105)	Di-bromo-methane, water, unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane, water, unfltrd ug/L (34668)
NOV 09...	<.1	<.2	<.2	<.1	<.3	<.1	<.2	<.2	<.1	<.2	<.2	<.2	<.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Di-chloro-methane, water, unfltrd ug/L (34423)	Ethylbenzene, water, unfltrd ug/L (34371)	Hexa-chloro-butadiene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iso-propylbenzene, water, unfltrd ug/L (77223)	Naphthalene, water, unfltrd ug/L (34696)	n-Butylbenzene, water, unfltrd ug/L (77342)	n-propylbenzene, water, unfltrd ug/L (77224)	sec-Butylbenzene, water, unfltrd ug/L (77350)	Styrene, water, unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene, water, unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)
NOV 09...	<.2	<.1	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.2	<.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tetra-chloro-methane, water, unfltrd ug/L (32102)	Toluene, water, unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd ug/L (34699)	Tri-bromo-methane, water, unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane, water, unfltrd ug/L (34488)	Tri-chloro-methane, water, unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)
NOV 09...	<.2	<.1	<.1	<.2	<.2	<.1	<.2	<.1	<.2

Remark codes used in this table:

< -- Less than.

E -- Estimated.

M-- Presence verified but not quantified.

08329918 RIO GRANDE AT ALAMEDA BRIDGE AT ALAMEDA, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	9.6	6.4	7.7	13.8	6.0	9.6	14.1	11.1	13.0
2	---	---	---	11.0	6.2	8.3	15.7	7.7	11.3	13.6	11.0	12.2
3	---	---	---	10.6	6.9	8.2	14.3	9.8	11.5	13.7	10.4	12.2
4	---	---	---	12.3	5.9	8.7	15.0	8.9	11.1	15.5	10.9	13.5
5	---	---	---	12.3	8.1	9.6	14.0	7.6	10.3	14.9	11.3	13.3
6	---	---	---	10.4	7.2	8.4	15.9	8.3	11.7	15.2	12.1	13.9
7	---	---	---	12.9	6.0	9.0	16.6	10.1	13.0	15.0	11.0	13.2
8	---	---	---	14.3	6.4	10.1	14.3	11.2	12.5	16.0	11.8	14.2
9	---	---	---	14.6	6.7	10.2	12.8	9.4	11.0	16.4	12.2	14.7
10	---	---	---	15.6	7.4	10.9	11.1	9.1	10.1	16.8	12.7	15.1
11	---	---	---	15.1	7.7	10.9	13.1	8.4	10.7	16.2	12.7	14.8
12	10.0	7.7	8.6	15.2	7.5	10.9	14.0	9.5	11.7	16.5	11.9	14.5
13	10.7	7.3	8.6	14.2	8.2	10.8	14.1	9.9	12.2	16.8	12.7	15.1
14	9.6	6.2	7.8	10.1	2.6	6.8	13.5	10.9	12.7	16.3	13.0	15.0
15	10.2	6.8	8.2	6.9	2.0	4.4	15.1	11.1	13.4	17.0	13.2	15.3
16	11.5	8.2	9.4	10.1	4.5	7.0	16.2	11.6	13.8	17.4	13.4	15.5
17	9.7	7.3	8.3	11.6	6.2	8.4	14.6	10.9	13.2	16.9	13.5	15.6
18	10.3	7.6	8.5	11.3	7.4	9.0	15.2	11.7	13.8	17.4	13.8	15.9
19	9.9	7.8	8.9	11.0	8.2	9.3	15.0	11.3	13.5	18.6	13.9	16.5
20	10.3	7.5	8.9	11.5	8.2	9.4	14.6	11.0	13.3	19.0	14.5	17.1
21	10.2	6.0	7.9	10.2	6.8	8.3	14.7	10.7	13.1	19.3	15.0	17.4
22	10.8	7.4	8.8	13.2	6.5	9.5	14.9	10.9	13.3	19.7	15.4	17.9
23	11.5	8.2	9.4	11.2	8.5	9.7	15.2	11.6	13.8	19.7	15.8	18.1
24	8.8	6.2	7.5	12.4	8.1	9.7	15.0	11.8	13.1	19.3	15.9	17.9
25	8.0	5.9	6.9	12.1	8.5	9.7	13.8	11.0	12.4	19.5	15.9	18.0
26	9.6	6.5	7.6	9.8	7.3	8.3	15.0	11.1	13.3	19.2	16.2	18.0
27	10.0	6.5	8.1	13.9	6.8	10	14.9	11.2	13.1	19.4	16.1	17.9
28	10.5	6.7	8.3	13.7	8.7	10.9	13.5	10.5	11.7	19.2	16.0	17.9
29	---	---	---	13.0	8.3	10.2	13.8	10.9	12.3	19.2	16.0	17.9
30	---	---	---	11.2	7.4	8.8	14.5	10.6	12.8	19.4	16.0	17.9
31	---	---	---	11.4	6.0	8.3	---	---	---	19.5	15.4	17.6
MONTH	11.5	5.9	8.3	15.6	2.0	9.1	16.6	6.0	12.3	19.7	10.4	15.7

08329918 RIO GRANDE AT ALAMEDA BRIDGE AT ALAMEDA, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	360	335	345	365	337	346	242	227	236
2	---	---	---	372	339	346	366	340	353	242	231	238
3	---	---	---	365	339	350	378	348	361	251	238	244
4	---	---	---	---	---	---	373	344	358	257	233	250
5	---	---	---	---	---	---	370	354	363	258	248	254
6	---	---	---	---	---	---	366	336	345	258	253	256
7	---	---	---	512	397	448	---	---	---	257	252	254
8	---	---	---	---	---	---	342	321	329	254	248	251
9	---	---	---	---	---	---	338	299	315	249	232	238
10	---	---	---	431	369	394	316	306	312	243	230	238
11	---	---	---	401	282	354	324	301	313	245	220	235
12	---	---	---	406	282	354	---	---	---	240	233	237
13	748	453	577	394	272	375	309	301	306	234	226	230
14	467	409	423	346	165	258	306	291	298	226	219	222
15	416	381	394	585	204	395	303	277	289	223	215	219
16	399	375	386	468	386	419	---	---	---	222	216	219
17	444	394	415	535	385	439	---	---	---	219	213	215
18	408	165	322	468	382	404	301	273	295	217	212	215
19	439	152	347	416	364	374	---	---	---	216	210	212
20	---	---	---	371	357	364	291	284	288	210	205	208
21	---	---	---	388	359	371	284	272	278	206	202	204
22	---	---	---	386	370	377	274	250	267	206	200	203
23	392	370	379	373	353	364	263	242	258	203	198	201
24	375	337	358	378	363	369	274	194	247	203	196	199
25	388	363	372	368	352	361	360	263	304	200	193	196
26	367	357	362	390	357	371	268	255	261	196	191	193
27	366	357	361	391	375	381	256	246	250	193	188	192
28	375	339	355	378	360	369	251	246	249	195	191	193
29	---	---	---	387	366	376	255	246	251	202	192	195
30	---	---	---	390	358	374	251	231	243	200	191	194
31	---	---	---	375	347	358	---	---	---	193	189	191
MONTH	748	152	389	585	165	373	378	194	299	258	188	220

08329928 RIO GRANDE NEAR ALAMEDA, NM

LOCATION.--Lat 35°10'55", long 106°39'04", Bernalillo County, Hydrologic Unit 13020203, on downstream side of Paseo del Norte bridge in Albuquerque, and at mile 1,532.0.

DRAINAGE AREA.--17,263 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--March 1989 to September 2000, June 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,990 ft above National Geodetic Vertical Datum of 1929, from topographic map. from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow completely regulated since November 1973 by Cochiti Dam (station 08317300), 48 mi upstream. Possible regulation by operation of reservoirs on Rio Chama and by flood- and silt-detention reservoirs on Galisteo Creek and Jemez River (stations 08285000, 08286900, 08317900, 08328500). Diversions upstream from station for irrigation of about 714,000 acres, several hundred of which are downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	248	e816	743	767	1,180	877	4,810	6,100	2,480	526	541
2	180	289	758	751	769	1,270	840	4,870	6,550	2,270	511	607
3	196	310	660	714	762	988	849	4,780	6,610	1,770	521	601
4	187	303	e692	973	774	774	839	4,310	6,570	1,740	538	571
5	943	312	e713	776	733	728	819	4,070	6,450	1,660	565	534
6	1,130	315	e741	825	737	897	940	e4,040	6,290	1,510	584	531
7	257	308	e823	758	747	760	954	e4,120	6,100	1,390	577	530
8	246	316	e882	631	761	642	1,200	e4,120	6,010	1,370	577	463
9	264	504	e889	588	759	627	1,590	e4,120	5,960	1,180	537	430
10	258	571	e893	747	765	626	1,650	e4,140	5,950	1,110	515	425
11	e287	585	885	790	780	621	1,660	e4,260	5,490	1,110	514	397
12	e276	555	877	788	1,210	629	1,950	e5,190	5,500	e929	529	390
13	e220	559	892	e815	1,000	636	2,290	e5,220	5,450	e799	942	363
14	309	551	975	e804	918	842	2,740	e5,210	5,370	e716	927	360
15	209	554	e1,020	e802	1,030	1,020	3,110	e5,180	5,450	e669	518	356
16	199	630	e1,010	e798	1,000	1,090	3,860	e5,180	e4,930	e621	592	398
17	257	719	e1,010	e798	1,000	933	3,710	e5,170	e4,800	e629	601	408
18	240	718	e1,010	e804	1,110	922	3,820	e5,230	e4,710	e645	569	410
19	211	709	e987	e664	1,210	999	4,540	e5,270	e4,670	e582	560	419
20	204	702	e988	e626	1,280	991	4,450	e5,610	e4,610	e546	520	453
21	206	753	e976	e626	1,160	1,010	4,640	e5,760	4,540	e507	482	460
22	216	788	e962	647	1,100	940	4,960	5,780	4,360	e503	439	456
23	200	978	944	652	1,220	928	5,000	e5,860	4,300	e503	448	460
24	206	749	680	662	1,500	934	5,240	5,870	3,970	e582	474	480
25	209	762	641	658	1,460	944	4,510	5,900	3,720	e483	449	484
26	211	735	627	665	1,400	968	5,160	5,580	3,740	e460	435	491
27	319	776	e614	948	1,390	961	5,020	5,590	3,080	463	463	493
28	238	828	531	743	1,370	933	4,930	5,740	3,000	495	472	541
29	220	e838	550	717	---	776	4,780	5,820	2,980	492	486	1,500
30	206	e833	660	801	---	867	5,100	5,970	2,780	489	472	1,160
31	229	---	658	743	---	920	---	6,060	---	524	486	---
TOTAL	8,714	17,798	25,364	23,057	28,712	27,356	92,028	158,830	150,040	29,227	16,829	15,712
MEAN	281	593	818	744	1,025	882	3,068	5,124	5,001	943	543	524
MAX	1,130	978	1,020	973	1,500	1,270	5,240	6,060	6,610	2,480	942	1,500
MIN	180	248	531	588	733	621	819	4,040	2,780	460	435	356
AC-FT	17,280	35,300	50,310	45,730	56,950	54,260	182,500	315,000	297,600	57,970	33,380	31,160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

	410	840	932	782	867	1,232	2,525	3,337	3,112	1,205	750	589
MEAN	410	840	932	782	867	1,232	2,525	3,337	3,112	1,205	750	589
MAX	556	1,498	1,530	1,130	1,137	1,923	3,853	5,124	5,726	4,958	2,272	1,202
(WY)	(2000)	(1992)	(1992)	(1993)	(1995)	(1995)	(1992)	(2005)	(1993)	(1995)	(1991)	(1991)
MIN	277	166	498	456	473	667	715	1,015	363	453	309	211
(WY)	(2004)	(1990)	(2004)	(2004)	(2004)	(1990)	(1990)	(2000)	(1989)	(1992)	(2004)	(1989)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	275,190		593,667			
ANNUAL MEAN	752		1,626		1,511	
HIGHEST ANNUAL MEAN					2,133	
LOWEST ANNUAL MEAN					627	
HIGHEST DAILY MEAN	3,460		6,610		8,100	
LOWEST DAILY MEAN	115		180		22	
ANNUAL SEVEN-DAY MINIMUM	165		207		29	
MAXIMUM PEAK FLOW			7,030		9,520	
MAXIMUM PEAK STAGE			6.79		6.95	
INSTANTANEOUS LOW FLOW			148		148	
ANNUAL RUNOFF (AC-FT)	545,800		1,178,000		1,094,000	
10 PERCENT EXCEEDS	1,720		5,160		4,310	
50 PERCENT EXCEEDS	504		788		874	
90 PERCENT EXCEEDS	217		318		356	

e Estimated

08329935 ARROYO 19A AT ALBUQUERQUE, NM

LOCATION.--Lat 35°09'24", long 106°43'50", in NE ¼ NE ¼ sec.28, T.11 N., R.2 E., Bernalillo County, Hydrologic Unit 13020203, on right bank 900 ft upstream from culvert under 81st Street, 1,200 ft south of city water tank, and 0.6 mi south of intersection of 81st Street and Atrisco Drive at Albuquerque.

DRAINAGE AREA.--1.50 mi².

PERIOD OF RECORD.--June 1977 to current year (seasonal records).

GAGE.--Water-stage recorder and recording tipping-bucket rain gage with 0.01-in. increments. The control at the site is a Parshall flume. Elevation of gage is 5,341 ft above NGVD of 1929, from topographic map. Prior to June 19, 1986, at site 450 ft downstream at different datum.

REMARKS.--Records good. Recording rain gage at station. The basin drains undeveloped semidesert terrain above the escarpment west of Albuquerque. See tabulation below for monthly precipitation, in inches. No flow most of time.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 234 ft³/s, Aug. 2, 1999, gage height, 2.93 ft, on basis of two slope-area measurements of peak flow needed to extend rating beyond flume capacity. No flow most of time.

EXTREMES FOR CURRENT YEAR.--Only one flow in water year, discharge, 0.77 ft³/s, gage height, 1.32 feet, on Oct. 5, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	0.03	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	---	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.03	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.03	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.06	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
(+)	1.73	0.99	0.20	1.22	1.42	0.77	0.78	0.33	0.05	0.31	0.24	1.72

(+)Total precipitation accumulation, in inches.

083299375 MARIPOSA DIVERSION OF SAN ANTONIO ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°08'24", long 106°42'17", in SE 1/4 NE 1/4 sec.35, T.11 N., R.2 E., Bernalillo County, Hydrologic Unit 13020203, 1,500 ft upstream from the San Antonio underpass at Coors Boulevard on west side of Albuquerque, 1.1 mi north of Interstate 25 and Coors Boulevard intersection.

DRAINAGE AREA.--30.5 mi².

PERIOD OF RECORD.--Summer 1993 to September 1999 (only recorded flow events during water-quality sampling), October 1999 to current year.

GAGE.--Water-stage recorder and crest-stage gage referenced to outside staff gage. Elevation of gage is 5,100 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor. No flows occur unless significant precipitation falls in the watershed.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00
5	e0.50	0.00	0.00	0.39	0.00	0.15	0.00	0.00	0.00	0.00	0.00	1.8
6	e0.30	0.00	0.00	0.00	0.00	2.2	0.00	0.00	0.00	0.00	0.00	0.41
7	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
11	1.6	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	1.1	0.00	0.00	0.00	4.0	1.9	0.00	0.00	0.00	0.00	0.00	0.00
13	0.47	0.00	0.00	0.00	0.26	0.69	0.00	0.00	0.00	0.00	0.16	0.00
14	0.46	0.00	0.00	0.00	0.00	2.0	0.00	0.00	0.00	0.00	0.05	0.00
15	0.00	0.00	0.00	0.00	0.00	1.7	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	4.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.08	0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	1.4	0.00	0.00	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.11	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	10
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.42	0.00	0.00	0.00	0.34
31	0.00	---	0.00	0.00	---	0.00	---	0.25	---	0.00	0.00	---
TOTAL	5.94	5.37	0.00	5.11	7.56	8.84	1.37	3.33	0.00	0.00	0.21	12.83
MEAN	0.19	0.18	0.00	0.16	0.27	0.29	0.05	0.11	0.00	0.00	0.01	0.43
MAX	1.6	4.7	0.00	3.8	4.0	2.2	1.2	2.0	0.00	0.00	0.16	10
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	12	11	0.00	10	15	18	2.7	6.6	0.00	0.00	0.4	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	0.22	0.09	0.01	0.03	0.09	0.17	0.17	0.02	0.06	0.08	0.12	0.18
MAX	0.55	0.25	0.03	0.16	0.27	0.29	0.97	0.11	0.30	0.19	0.36	0.43
(WY)	(2001)	(2001)	(2003)	(2005)	(2005)	(2005)	(2004)	(2005)	(2000)	(2004)	(2002)	(2005)
MIN	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)	(2002)	(2000)	(2002)	(2000)	(2000)	(2002)	(2002)	(2000)	(2001)	(2002)	(2004)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2000 - 2005

ANNUAL TOTAL	68.91	50.56	
ANNUAL MEAN	0.19	0.14	0.10
HIGHEST ANNUAL MEAN			0.18
LOWEST ANNUAL MEAN			0.07
HIGHEST DAILY MEAN	19	Apr 3	10
LOWEST DAILY MEAN	0.00	Jan 1	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			37
MAXIMUM PEAK STAGE			2.40
ANNUAL RUNOFF (AC-FT)	137	100	75
10 PERCENT EXCEEDS	0.01	0.13	0.00
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

e Estimated

08329938 LADERA ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°06'56", long 106°44'48", in Town of Atrisco Land Grant, Bernalillo County, Hydrologic Unit 13020203, on left bank, 0.25 mi northwest of City of Albuquerque water storage tank, on dirt road extension of 98th Street, and 2.3 mi west of North Coors Boulevard in Albuquerque.

DRAINAGE AREA.--0.34 mi².

PERIOD OF RECORD.--May 1981 to current year (seasonal records).

GAGE.--Water-stage recorder and recording tipping-bucket rain gage with 0.01-in. increments. Elevation of gage is 5,312 ft above NGVD of 1929, from topographic map. Prior to June 5, 1986, at site 0.2 mi downstream at different datum.

REMARKS.--Records fair. Recording rain gage at station. The basin is undeveloped semidesert terrain, part of which is above the escarpment west of Albuquerque. See tabulation below for monthly precipitation, in inches.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 195 ft³/s, Aug. 2, 1999, gage height, 4.12 ft, from slope-area indirect measurement; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Only one flow this water year. Maximum discharge, 3.5 ft³/s, Oct. 4, gage height, 2.36 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	0.04	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	---	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.04	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.04	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT (+)	0.08 1.09	0.00 1.05	---	0.16	0.97	1.47	0.85	0.55	0.33	0.02	0.18	1.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	0.01	0.00	---	---	---	---	0.00	0.00	0.00	0.02	0.03	0.01
MAX	0.10	0.00	---	---	---	---	0.00	0.00	0.10	0.14	0.19	0.11
(WY)	(1982)	(1983)	---	---	---	---	(1983)	(1992)	(1988)	(1991)	(1999)	(1990)
MIN	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1983)	(1983)	---	---	---	---	(1983)	(1982)	(1981)	(1981)	(1982)	(1982)

(+)Total precipitation accumulation, in inches.

08330000 RIO GRANDE AT ALBUQUERQUE, NM

LOCATION.--Lat 35°05'21", long 106°40'49", Bernalillo County, Hydrologic Unit 13020203, in Atrisco Grant, on downstream side of Central Avenue Bridge in Albuquerque, and at mi 1,540.0.

DRAINAGE AREA.--17,440 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1312.

REVISED RECORDS.--WSP 1312: 1946(M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,946.16 ft above NGVD of 1929. Prior to Sept. 18, 1947, at various sites at datum about 2.00 ft higher; Sept. 15, 1982, to Sept. 20, 1983, at site 1.0 mi upstream at different datum.

REMARKS.--Water-discharge records fair, except for those estimated, which are poor. Flow regulated since Nov. 1973 by Cochiti Dam (station 08317300), 50 mi upstream. Some regulation by operation of reservoirs on Rio Chama and by flood- and silt-detention reservoirs on Galisteo Creek and Jemez River (stations 08285000, 08286900, 08317900, 08328500). Since May 1971, flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions upstream from station for irrigation of about 718,000 acres, several hundred of which are downstream from station.

COOPERATION.--Records for Albuquerque Riverside drain and Arenal, Armijo, and Atrisco canals provided by Middle Rio Grande Conservancy District. Data were not provided by time of printing.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	195	807	706	738	1,180	e813	4,720	6,030	2,380	474	417
2	142	216	751	712	734	1,360	e780	4,670	6,350	2,200	469	462
3	143	249	642	759	730	1,070	e787	4,580	6,510	1,730	479	491
4	152	254	659	959	722	842	e771	4,310	6,410	1,610	491	466
5	562	254	695	814	695	769	746	4,100	6,370	1,580	519	452
6	1,310	255	707	850	674	957	847	3,970	6,310	1,440	544	421
7	302	256	774	810	672	823	889	4,120	6,180	1,290	532	425
8	208	256	859	694	672	721	1,100	4,130	6,140	1,260	547	365
9	212	405	873	623	667	689	1,540	4,100	6,090	1,080	502	341
10	191	541	889	719	661	677	1,670	4,090	6,090	991	461	321
11	241	528	905	794	701	626	1,670	4,190	5,650	996	458	301
12	210	498	913	788	1,130	614	1,840	5,150	5,510	861	486	296
13	153	496	918	786	905	632	2,200	5,190	5,440	723	646	273
14	254	502	974	775	860	788	2,570	5,150	5,400	631	1,070	273
15	198	540	1,010	769	833	1,120	2,860	5,140	5,310	605	528	274
16	153	707	1,000	771	857	1,140	3,390	5,130	4,800	540	532	293
17	180	790	1,000	769	856	971	3,680	5,140	4,690	541	545	314
18	195	780	999	768	961	909	3,770	5,190	4,610	568	522	309
19	163	776	971	683	1,140	980	4,420	5,170	4,610	479	480	316
20	146	800	979	600	1,220	1,010	4,410	5,590	4,580	446	438	333
21	146	781	975	590	1,130	1,030	4,580	5,750	4,250	435	403	344
22	152	806	967	616	1,040	932	4,750	5,790	4,230	417	365	342
23	154	1,070	947	653	1,100	873	4,830	5,840	4,130	424	347	356
24	144	805	739	655	1,410	864	5,060	5,880	3,870	502	363	370
25	146	768	641	657	1,410	894	4,630	5,880	3,660	405	346	381
26	146	761	640	653	1,370	927	5,120	5,610	3,620	392	339	380
27	238	799	644	911	1,320	907	5,030	5,630	3,070	392	360	382
28	203	824	556	782	1,360	867	4,980	5,780	2,910	400	379	393
29	172	833	550	742	---	748	4,910	5,890	2,890	453	398	1,240
30	159	825	664	768	---	793	4,890	5,980	2,690	419	392	1,090
31	179	---	640	757	---	840	---	6,010	---	467	408	---
TOTAL	7,102	17,570	25,288	22,933	26,568	27,553	89,533	157,870	148,400	26,657	14,823	12,421
MEAN	229	586	816	740	949	889	2,984	5,093	4,947	860	478	414
MAX	1,310	1,070	1,010	959	1,410	1,360	5,120	6,010	6,510	2,380	1,070	1,240
MIN	142	195	550	590	661	614	746	3,970	2,690	392	339	273
AC-FT	14,090	34,850	50,160	45,490	52,700	54,650	177,600	313,100	294,400	52,870	29,400	24,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2005, BY WATER YEAR (WY)

MEAN	465	894	966	899	1,004	1,204	1,945	3,075	2,736	1,394	773	578
MAX	1,802	2,302	2,276	2,159	3,562	2,790	6,343	6,203	6,113	5,439	3,452	1,554
(WY)	(1998)	(1987)	(1987)	(1986)	(1986)	(1986)	(1985)	(1980)	(1983)	(1979)	(1986)	(1986)
MIN	38.4	145	441	443	480	424	137	148	336	287	242	51.4
(WY)	(1978)	(1990)	(2003)	(2003)	(2003)	(2003)	(1977)	(1977)	(1989)	(1974)	(2004)	(1974)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1974 - 2005

ANNUAL TOTAL	264,393	576,718	
ANNUAL MEAN	722	1,580	a1,328
HIGHEST ANNUAL MEAN			2,486
LOWEST ANNUAL MEAN			356
HIGHEST DAILY MEAN	3,120	6,510	8,650
LOWEST DAILY MEAN	104	142	0.00
ANNUAL SEVEN-DAY MINIMUM	121	148	0.00
MAXIMUM PEAK FLOW		6,780	b25,000
MAXIMUM PEAK STAGE		6.55	7.82
INSTANTANEOUS LOW FLOW		126	0.00
ANNUAL RUNOFF (AC-FT)	(+)524,400	(+)1,144,000	(+)962,100
10 PERCENT EXCEEDS	1,660	5,080	3,410
50 PERCENT EXCEEDS	530	776	801
90 PERCENT EXCEEDS	160	266	303

a Average discharge for 33 years (water years 1942-74), 1,440 ft³/s, 1,043,000 acre-ft, prior to closure of Cochiti Dam.

b From rating curve extended above 13,900 ft³/s.

(+) Combined flow, in acre-ft, of Albuquerque Riverside Drain and Arenal, Armijo, and Atrisco canals. This flow, which passes river gage, can be added to river records to get the entire flow in valley cross section.

c Estimated

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd, ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
OCT 19...	--	--	--	--	--	--	366
NOV 08...	--	--	--	--	--	--	284
DEC 01...	--	--	--	--	--	--	332
DEC 08...	<3	<3	<.2	.7	2.63	75	470
JAN 05...	--	--	--	--	--	--	2,800
FEB 24...	--	--	--	--	--	--	1,020
MAR 29...	--	--	--	--	--	--	248
APR 08...	<3	<3	<.2	.6	2.40	82	1,060
APR 26...	--	--	--	--	--	--	1,320
MAY 26...	--	--	--	--	--	--	1,160
JUN 21...	--	--	--	--	--	--	525
JUL 07...	<3	<3	<.2	1.3	.96	71	162
JUL 18...	--	--	--	--	--	--	106
AUG 12...	<3	<3	<.2	5.1	1.26	82	181
AUG 25...	--	--	--	--	--	--	123
SEP 15...	--	--	--	--	--	--	136

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyri-fos water, fltrd, ug/L (38933)
DEC 08...	1150	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
JUL 07...	1620	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	cis-Per-methrin water fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd 0.7u GF (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal-flur-alin, water, fltrd 0.7u GF (82663)	Etho-prop, water, fltrd 0.7u GF (82672)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)
DEC 08...		<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
JUL 07...		<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
DEC 08...	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004
JUL 07...	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water, fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water, fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water, fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)
DEC 08...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006
JUL 07...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tri-fluralin, water, fltrd 0.7u GF ug/L (82661)
DEC 08...	<.009
JUL 07...	<.009

Remark codes used in this table:
< -- Less than.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)
APR 08...	1200	<.02	.1
JUL 07...	1620	<.02	<.1
AUG 12...	1510	<.02	<.1
SEP 29...	1500	<.02	<.1

Remark codes used in this table:
< -- Less than.

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Suspnd. sediment, faldia dst wat percent <.002mm (70337)	Suspnd. sediment, faldia dst wat percent <.004mm (70338)	Suspnd. sediment, faldia dst wat percent <.008mm (70339)	Suspnd. sediment, faldia dst wat percent <.016mm (70340)	Suspnd. sediment, faldia dst wat percent <.063mm (70342)	Suspnd. sediment, faldia dst wat percent <.125mm (70343)	Suspnd. sediment, faldia dst wat percent <.25mm (70344)
OCT 19...	1355	.72	175	1.41	172	18.2	--	--	--	--	--	--	--
NOV 08...	1355	.74	247	1.35	246	16.0	--	--	--	--	--	--	--
DEC 01...	1150	1.5	811	1.98	276	4.0	--	--	--	75	81	90	
JAN 05...	1320	1.6	778	1.79	267	5.1	--	--	--	74	87	95	
FEB 24...	1130	2.5	1,470	2.73	217	7.7	--	--	--	67	84	90	
MAR 29...	1120	1.4	710	1.82	269	13.2	--	--	--	82	87	100	
APR 26...	1300	3.6	5,260	4.30	333	13.5	17	21	22	22	40	54	77
MAY 26...	1400	4.1	5,650	4.04	341	19.4	--	--	--	27	40	66	
JUN 21...	1435	4.0	4,130	3.77	278	21.8	--	--	--	26	33	62	
JUL 18...	1315	1.6	546	1.63	222	29.6	--	--	--	84	91	--	
AUG 25...	1250	1.3	354	1.63	164	23.8	--	--	--	--	--	--	
SEP 15...	1335	1.2	268	1.44	149	19.8	--	--	--	--	--	--	

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspnd. sediment, faldia dst wat percent <.5 mm (70345)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspnd. sediment, sieve diametr percent <.5 mm (70334)	Suspnd. sediment, sieve diametr percent <1 mm (70335)	Suspnd. sediment, sieve diametr percent <2 mm (70336)	Suspended sediment concentration mg/L (80154)
OCT 19...	--	--	--	100	--	337
NOV 08...	--	--	--	100	--	248
DEC 01...	100	--	--	--	--	308
JAN 05...	--	--	100	--	--	455
FEB 24...	100	--	--	--	--	1,080
MAR 29...	--	--	--	--	--	204
APR 26...	99	--	--	100	--	1,320
MAY 26...	90	--	--	100	--	650
JUN 21...	97	--	--	99	100	386
JUL 18...	--	100	--	--	--	95
AUG 25...	--	100	--	100	--	109
SEP 15...	--	--	--	100	--	125

08330000 RIO GRANDE AT ALBUQUERQUE, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Bed sediment, dry svd sve dia percent <.063mm (80164)	Bed sediment, dry svd sve dia percent <.125mm (80165)	Bed sediment, dry svd sve dia percent <.25mm (80166)	Bed sediment, dry svd sve dia percent <.5 mm (80167)	Bed sediment, dry svd sve dia percent <1 mm (80168)	Bed sediment, dry svd sve dia percent <2 mm (80169)	Bed sediment, dry svd sve dia percent <4 mm (80170)
OCT 19...	1355	.72	175	1.41	172	--	1	2	11	58	88	96	99
NOV 08...	1355	.74	247	1.35	246	16.0	.0	2	7	52	79	87	93
DEC 01...	1150	1.5	811	1.98	276	4.0	.0	.0	5	57	90	97	100
JAN 05...	1320	1.6	778	1.79	267	5.1	2	12	24	65	94	99	100
FEB 24...	1130	2.5	1,470	2.73	217	7.7	.0	2	12	63	93	99	100
MAR 29...	1120	1.4	710	1.82	269	13.2	.0	.0	.0	47	86	97	99
APR 26...	1300	3.6	5,260	4.30	333	13.5	.0	9	25	64	77	81	86
MAY 26...	1400	4.1	5,650	4.04	341	19.4	.0	.0	8	68	92	96	98
JUN 21...	1435	4.0	4,130	3.77	278	21.8	.0	1	5	32	72	89	96
JUL 18...	1315	1.6	546	1.63	222	29.6	.0	3	12	59	92	98	100
AUG 25...	1250	1.3	354	1.63	164	28.8	.0	.0	1	22	68	90	95
SEP 15...	1335	1.2	268	1.44	149	19.8	.0	1	12	58	92	98	99

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Bed sediment, dry svd sve dia percent <8 mm (80171)	Bed sediment, dry svd sve dia percent <16 mm (80172)	Bed sediment, dry svd sve dia percent <63mm (69046)
OCT 19...	99	100	--
NOV 08...	97	100	--
DEC 01...	--	--	--
JAN 05...	--	--	--
FEB 24...	--	--	--
MAR 29...	100	--	--
APR 26...	90	100	--
MAY 26...	99	100	--
JUN 21...	100	--	--
JUL 18...	--	--	--
AUG 25...	96	97	100
SEP 15...	100	--	--

08330200 SAN JOSE DRAIN AT WOODWARD ROAD AT ALBUQUERQUE, NM

LOCATION.--Lat 35°02'56", long 106°38'55", in NE ¼ of SW ¼ sec.32, T.10 E., R.3 E., Bernalillo County, Hydrologic Unit 13020203, approximately ¼ mi west of the intersection of Woodward Road and South Broadway on Albuquerque's south side. The gage is located on the right bank of San Jose Drain and the shoulder of Woodward Road where a corrugated metal culvert passes under Woodward.

DRAINAGE AREA.--1.95 mi².

PERIOD OF RECORD.--October 1993 to September 23, 1999, only data during water-quality sampling events were recorded and never published in the USGS Annual Data report. September 23, 1999 to present, full year's data is recorded, along with rainfall.

GAGE.--Water-stage recorder, and since July 1998, a tipping bucket rain gage on the roof of the gage house is operational. The channel is concrete-lined above Woodward Road and natural below. Elevation of gage is 4,946 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor due to heavy mud and weed accumulation at gage and downstream. Mud accumulations and vegetative growth occurs in the channel and will affect the stage-discharge relationship. See tabulation below for monthly precipitation in inches.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
2	0.00	0.00	0.00	1.9	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
3	0.00	0.00	0.10	0.92	0.00	0.00	0.00	1.6	0.00	0.21	0.00	0.00
4	0.00	0.00	0.00	5.8	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.00
5	11	0.00	0.27	0.25	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
6	0.34	0.00	0.00	0.00	0.00	2.1	0.00	0.00	0.00	0.37	0.01	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	0.00
8	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.11	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.36
10	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.10	0.00	1.5
11	4.3	0.00	0.00	0.00	0.86	0.00	0.12	0.00	0.00	0.20	0.00	1.6
12	0.07	0.00	0.00	0.00	4.7	0.00	0.00	0.00	0.00	0.08	1.2	0.12
13	0.97	0.00	0.00	0.00	0.26	0.13	0.00	0.00	0.03	0.13	4.2	0.00
14	0.02	0.00	0.00	0.00	0.00	3.9	0.00	0.00	0.00	0.00	5.0	0.00
15	0.05	0.00	0.00	0.00	0.00	1.4	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.11	2.6	0.00	0.00	0.00	0.00	0.00
17	0.03	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	1.6	0.00	0.00
18	0.00	0.00	0.00	0.00	3.3	0.00	0.00	0.00	0.00	0.32	0.00	0.00
19	0.00	3.3	0.00	0.00	2.4	0.00	0.00	0.00	0.03	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.97	0.00	0.00	0.00
22	1.1	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.06	4.0	0.00	0.00
23	0.00	8.3	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.85	0.00	0.00
24	0.00	0.00	0.00	0.26	0.06	0.00	1.2	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.07	0.00	0.00	0.00
27	2.3	0.00	0.00	4.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.02	0.09	0.00	3.1
29	0.00	0.00	0.22	0.00	---	0.00	0.00	0.15	0.00	0.00	0.00	30
30	0.00	0.00	2.4	0.04	---	0.00	0.00	0.00	0.06	0.00	0.00	0.85
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.75	0.44	0.10	0.46	0.47	0.26	0.18	0.08	0.06	0.27	0.34	1.26
MAX	11	8.3	2.4	5.8	4.7	3.9	2.6	1.6	0.97	4.0	5.0	30
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	46	26	5.9	29	26	16	11	4.8	3.3	17	21	75
(+)	1.97	1.35	0.32	1.37	1.85	1.14	1.05	0.56	0.23	0.35	0.71	1.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	0.40	0.24	0.08	0.11	0.25	0.17	0.32	0.25	0.30	0.77	0.91	0.79
MAX	1.16	0.73	0.20	0.46	0.62	0.73	2.19	0.99	1.79	2.21	2.10	2.07
(WY)	(2001)	(1995)	(2003)	(2005)	(2003)	(2003)	(2004)	(1996)	(1996)	(2003)	(1996)	(1995)
MIN	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.07	0.09	0.01
(WY)	(2002)	(2000)	(2000)	(2000)	(2000)	(1996)	(2000)	(2000)	(1995)	(2002)	(2004)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1994 - 2005
ANNUAL MEAN	0.64	0.39	0.42
HIGHEST ANNUAL MEAN			0.66
LOWEST ANNUAL MEAN			0.15
HIGHEST DAILY MEAN	36	30	36
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		78	99
MAXIMUM PEAK STAGE		6.93	6.93
ANNUAL RUNOFF (AC-FT)	468	281	306
10 PERCENT EXCEEDS	0.84	0.85	1.1
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

(+)Total precipitation accumulation, in inches.

08330540 TRAMWAY FLOODWAY CHANNEL AT ALBUQUERQUE, NM

LOCATION.--Lat 35°04'42", long 106°29'49", Bernalillo County, Hydrologic Unit 13020203, on right bank 300 ft downstream from Copper Boulevard Bridge, near corner of Tramway and Copper Boulevards NE in Albuquerque.

DRAINAGE AREA.--1.60 mi².

PERIOD OF RECORD.--July 1987 to November 2000 (seasonal records), March 2001 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and concrete-lined channel. Recording rain gage at this site since May 2001. Elevation of gage is 5,740 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor. Prior to water year 1998, some minor streamflow may have existed on days when daily mean discharges were recorded as zero due to the sensitivity limits of the streamflow-monitoring equipment. Since 1998, all flows above zero are recorded. See tabulation below for monthly precipitation, in inches.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.09	0.00	e0.10	0.00	0.00	0.02	0.00	0.02	0.12	0.20	0.11	0.07
2	0.08	0.00	e0.00	1.6	0.00	0.00	0.00	0.00	0.12	0.16	0.07	0.86
3	0.09	0.00	e0.00	1.6	0.00	0.04	0.00	1.6	0.10	0.17	0.01	0.08
4	0.18	0.00	0.00	4.7	0.00	0.00	0.00	0.04	0.11	0.21	0.03	0.10
5	1.2	0.00	0.35	0.07	0.00	1.8	0.00	0.03	0.15	0.24	0.02	0.06
6	0.78	0.00	0.00	e0.00	0.00	0.94	0.00	0.00	0.13	0.18	0.02	0.82
7	0.12	0.00	0.00	1.1	0.09	0.02	0.01	0.00	0.14	0.20	0.56	0.07
8	0.01	0.01	0.00	0.00	0.40	0.00	0.00	0.01	0.16	0.18	0.12	0.07
9	0.00	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.16	0.19	0.07	0.51
10	0.00	0.01	0.00	0.00	0.00	0.00	1.6	0.02	0.16	0.27	0.01	0.23
11	2.3	0.00	0.00	0.00	1.7	0.00	0.05	0.00	0.35	0.87	0.46	0.08
12	0.08	0.00	0.00	0.00	6.2	0.00	0.03	0.02	0.15	0.43	0.37	0.08
13	1.3	0.00	0.00	0.00	0.02	0.50	0.00	0.01	0.14	0.31	7.7	0.07
14	0.02	0.00	0.00	0.00	0.00	4.5	0.01	0.00	0.14	0.27	0.34	0.05
15	0.00	0.00	0.00	0.00	0.26	1.6	0.00	0.02	0.09	0.52	0.46	0.05
16	0.00	0.00	0.00	0.00	0.04	0.38	2.4	0.00	0.08	0.40	0.12	0.05
17	0.23	0.00	0.00	0.00	0.00	0.10	0.06	0.02	0.09	3.9	0.03	0.01
18	0.00	0.00	0.00	0.00	3.5	0.02	0.00	0.00	0.15	0.18	0.12	0.04
19	0.00	1.00	0.00	0.00	1.8	0.14	0.01	0.06	0.09	0.16	0.09	0.08
20	0.00	0.03	0.00	0.00	2.3	0.10	0.01	0.06	0.09	0.11	0.06	0.06
21	0.00	0.13	0.11	0.00	0.01	0.00	0.05	0.07	2.3	0.19	0.05	0.05
22	1.6	1.2	0.11	0.00	0.03	0.00	0.00	3.3	0.25	0.15	0.05	0.05
23	0.00	2.2	e0.00	0.00	0.44	0.00	0.00	2.5	0.24	0.35	0.06	0.09
24	0.00	0.01	e0.00	0.00	0.11	0.00	2.5	0.08	0.22	0.19	0.02	0.04
25	0.05	0.00	0.00	0.00	0.26	0.34	0.21	0.07	0.21	0.16	0.06	0.04
26	0.07	0.00	0.00	0.01	0.03	0.51	0.14	0.08	0.27	0.20	0.06	0.04
27	0.76	0.00	0.00	3.8	0.05	0.00	0.00	0.46	0.23	0.09	0.00	0.05
28	0.00	0.00	0.14	0.03	0.03	0.00	0.02	0.10	0.43	0.11	0.02	2.6
29	0.41	0.04	1.6	0.34	---	0.03	0.00	0.12	0.25	0.13	0.01	4.5
30	0.00	e0.00	0.62	0.69	---	0.00	0.01	0.10	0.22	0.11	0.02	0.06
31	0.02	---	0.01	0.00	---	0.00	---	0.11	---	0.11	0.01	---
TOTAL	9.39	4.83	3.05	13.94	17.27	11.04	7.11	8.90	7.34	10.94	11.13	10.96
MEAN	0.30	0.16	0.10	0.45	0.62	0.36	0.24	0.29	0.24	0.35	0.36	0.37
MAX	2.3	2.2	1.6	4.7	6.2	4.5	2.5	3.3	2.3	3.9	7.7	4.5
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.00	0.01
AC-FT	19	9.6	6.0	28	34	22	14	18	15	22	22	22
(+)	1.85	0.93	0.49	2.36	2.60	1.50	1.41	0.43	0.49	1.03	1.75	2.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

MEAN	0.27	0.10	0.09	0.20	0.34	0.24	0.16	0.13	0.15	0.37	0.48	0.24
MAX	1.03	0.38	0.17	0.45	0.62	0.36	0.73	0.38	0.50	0.95	1.44	0.93
(WY)	(1990)	(2002)	(2002)	(2005)	(2005)	(2005)	(2004)	(1998)	(2004)	(1998)	(2001)	(1991)
MIN	0.00	0.00	0.05	0.00	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1991)	(1990)	(2003)	(2003)	(2002)	(2002)	(1991)	(1995)	(1990)	(1994)	(1994)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1990 - 2005

ANNUAL TOTAL	120.06	115.90	
ANNUAL MEAN	0.33	0.32	0.26
HIGHEST ANNUAL MEAN			0.32 2004
LOWEST ANNUAL MEAN			0.15 2003
HIGHEST DAILY MEAN	9.4	7.7	32 Oct 4, 1989
LOWEST DAILY MEAN	0.00	0.00	0.00 Oct 1, 1989
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00 Oct 5, 1989
MAXIMUM PEAK FLOW		269	3,190 Jul 9, 1988
MAXIMUM PEAK STAGE		2.72	8.62 Jul 9, 1988
ANNUAL RUNOFF (AC-FT)	238	230	186
10 PERCENT EXCEEDS	0.88	0.80	0.63
50 PERCENT EXCEEDS	0.08	0.05	0.06
90 PERCENT EXCEEDS	0.00	0.00	0.00

(+) Total precipitation accumulation, in inches.

e Estimated

08330600 TIJERAS ARROYO NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°00'10", long 106°38'53", in SW ¼ SW ¼ sec.17, T.9 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on left bank 800 ft upstream from bridge on Broadway Boulevard SE, 0.2 mi downstream from bridge on Interstate Highway 25, and 3.0 mi south of Albuquerque.

DRAINAGE AREA.--128 mi².

PERIOD OF RECORD.--October 1951 to September 1968 (annual maximum only), August 1974 to September 1998 (seasonal records), October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,999 ft above NGVD of 1929, from topographic map. Prior to Mar. 10, 1988, at site 1,700 ft downstream at different datum.

REMARKS.--Records good except for those estimated, which are fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.1
3	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.29
4	0.00	0.00	0.00	22	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00
5	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	e24
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e11
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	5.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.05
12	0.00	0.00	0.00	0.00	41	0.00	0.00	0.00	0.00	0.00	0.01	0.00
13	3.6	0.00	0.00	0.00	e1.1	0.00	0.00	0.00	0.00	0.00	15	0.00
14	0.00	0.00	0.00	0.00	0.00	2.3	0.00	0.00	0.00	0.00	e4.2	0.00
15	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	21	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	5.8	0.00	0.00	0.00	e0.96	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00
18	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	e3.6	0.00	0.00
19	0.00	0.45	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	8.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
22	0.16	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.5	0.00	0.00
23	0.00	e17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	2.8	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.03	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	e11
30	0.00	0.00	1.5	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	10.70	18.28	1.50	35.60	72.40	2.56	8.60	0.65	0.84	21.10	41.17	51.44
MEAN	0.35	0.61	0.05	1.15	2.59	0.08	0.29	0.02	0.03	0.68	1.33	1.71
MAX	5.1	17	1.5	22	41	2.3	5.8	0.37	0.84	13	21	24
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	21	36	3.0	71	144	5.1	17	1.3	1.7	42	82	102

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	0.65	0.16	0.01	0.16	0.56	0.26	0.54	0.01	0.26	0.52	1.45	0.32
MAX	2.20	0.61	0.05	1.15	2.59	1.21	3.45	0.03	0.84	1.68	4.35	1.71
(WY)	(2001)	(2005)	(2005)	(2005)	(2005)	(2003)	(2004)	(2001)	(2004)	(2004)	(1999)	(2005)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.28	0.03
(WY)	(2000)	(1999)	(1999)	(1999)	(1999)	(2001)	(2000)	(1999)	(2002)	(2003)	(2003)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1999 - 2005

ANNUAL TOTAL	320.51	264.84		
ANNUAL MEAN	0.88	0.73	0.41	
HIGHEST ANNUAL MEAN			0.94	2004
LOWEST ANNUAL MEAN			0.06	2000
HIGHEST DAILY MEAN	88	Apr 3	41	Feb 12
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 14
MAXIMUM PEAK FLOW			525	Sep 6
MAXIMUM PEAK STAGE			5.24	Sep 6
ANNUAL RUNOFF (AC-FT)	636	525	296	
10 PERCENT EXCEEDS	0.00	0.17	0.00	
50 PERCENT EXCEEDS	0.00	0.00	0.00	
90 PERCENT EXCEEDS	0.00	0.00	0.00	

a From rating curve extended above 10 ft³/s, on basis of step-backwater analysis, and slope-area measurement.

b From floodmarks.

e Estimated

08330775 SOUTH DIVERSION CHANNEL ABOVE TIJERAS ARROYO NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°00'10", long 106°39'26", Bernalillo County, Hydrologic Unit 13020203, on right bank 600 ft upstream from confluence with Tijeras Arroyo, and 2.5 mi south of Albuquerque.

DRAINAGE AREA.--11.0 mi².

PERIOD OF RECORD.--June 1988 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 4,930 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
3	0.00	0.00	0.00	2.1	0.00	0.00	0.00	6.3	0.00	0.00	0.00	0.01
4	0.00	0.00	0.00	17	0.00	0.00	0.00	4.8	0.00	0.00	0.00	0.00
5	24	0.00	0.00	0.97	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
6	2.3	0.00	0.00	0.13	0.00	8.9	0.00	0.00	0.00	0.00	0.00	2.3
7	0.22	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	4.4
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
10	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	3.4
11	8.1	0.00	0.00	0.00	0.76	0.00	0.92	0.00	0.00	0.00	0.00	2.6
12	e2.1	0.00	0.00	0.00	23	0.00	0.01	0.00	0.00	0.00	0.00	1.6
13	0.23	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	1.8	0.03
14	1.8	0.00	0.00	0.00	0.05	15	0.00	0.00	0.00	0.00	5.9	0.01
15	0.21	0.00	0.00	0.00	0.00	5.6	0.00	0.00	0.00	0.00	0.04	0.00
16	0.00	0.00	0.00	0.00	0.00	0.97	40	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.53	1.4	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.49	15	0.03	0.07	0.00	0.00	0.00	0.00	0.00
19	0.00	6.8	0.00	0.03	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.37	0.00	0.00	6.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.04	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.25	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	12	0.00	0.00
23	0.38	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.8	0.00	0.00
24	0.02	0.78	0.00	0.00	0.04	0.00	7.8	0.00	0.00	0.03	0.00	0.00
25	0.00	0.20	0.00	0.00	0.12	0.00	0.36	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
27	4.0	0.00	0.00	18	0.13	0.22	0.00	0.00	0.00	0.00	0.00	0.00
28	0.48	0.00	0.00	1.2	0.00	0.02	0.00	0.00	0.00	3.0	0.00	1.6
29	0.04	0.00	0.00	0.14	---	0.00	0.00	0.00	0.00	3.3	0.00	54
30	0.00	0.00	5.2	0.00	---	0.00	0.00	0.00	0.00	0.03	0.00	2.9
31	0.00	---	0.14	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	44.13	38.20	5.34	41.56	55.25	31.59	50.79	11.13	0.00	20.16	7.74	74.10
MEAN	1.42	1.27	0.17	1.34	1.97	1.02	1.69	0.36	0.00	0.65	0.25	2.47
MAX	24	30	5.2	18	23	15	40	6.3	0.00	12	5.9	54
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	88	76	11	82	110	63	101	22	0.00	40	15	147

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	0.99	0.78	0.11	0.20	0.36	0.44	0.53	0.22	0.43	1.50	1.20	0.97
MAX	2.88	4.50	0.42	1.34	1.97	1.56	3.52	1.83	3.14	10.3	4.65	2.79
(WY)	(1995)	(1995)	(2004)	(2005)	(2005)	(2003)	(2004)	(1994)	(1996)	(2004)	(1994)	(1997)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.00
(WY)	(2002)	(1996)	(1994)	(1994)	(1996)	(1996)	(1994)	(1995)	(1995)	(2002)	(2004)	(1998)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1994 - 2005

ANNUAL TOTAL	627.03	379.99	
ANNUAL MEAN	1.71	1.04	0.64
HIGHEST ANNUAL MEAN			1.69
LOWEST ANNUAL MEAN			0.15
HIGHEST DAILY MEAN	230	Jul 23	54
LOWEST DAILY MEAN	0.00	Feb 6	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 6	0.00
MAXIMUM PEAK FLOW			459
MAXIMUM PEAK STAGE			4.23
ANNUAL RUNOFF (AC-FT)	1,240	754	467
10 PERCENT EXCEEDS	0.65	1.6	0.38
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

a From rating curve extended above 30 ft³/s, on basis of step-backwater analysis.
e Estimated

08330875 RIO GRANDE AT ISLETA LAKES NEAR ISLETA, NM

LOCATION.--Lat 34°56'48", long 106°40'47", Bernalillo County, Hydrologic Unit 13020203, in Isleta Pueblo Grant, on left bank 0.2 mi downstream from Interstate Highway 25 Bridge, and 2.7 mi north of Isleta.

DRAINAGE AREA.--18,000 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--October 2000 to September 2002 (stage only), October 2002 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,870 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for those estimated, which are poor. Flow regulated since Nov. 1973 by Cochiti Dam (station 08317300), 54 mi upstream. Possible regulation by operation of reservoirs on Rio Chama and by flood- and silt-detention reservoirs on Galisteo Creek and Jemez River (stations 08285000, 08286900, 08317900, 08328500). Since May 1971, flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions upstream from station for irrigation of about 718,000 acres, several of which are downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	169	758	678	778	e1,180	843	e4,830	5,980	2,430	489	401
2	140	166	728	686	803	e1,370	801	e4,770	6,270	2,260	474	425
3	136	216	578	783	815	e1,120	787	4,760	6,430	1,840	460	512
4	145	230	532	928	788	e883	760	4,550	6,360	1,650	490	469
5	452	234	608	936	711	e819	767	4,200	6,400	1,660	513	448
6	1,310	231	663	803	644	e964	832	4,020	6,320	1,560	559	459
7	380	241	718	796	e706	e858	872	4,130	e6,230	1,400	573	437
8	171	245	847	633	e710	e745	968	4,170	e6,170	1,370	585	397
9	183	281	897	484	e691	e707	1,340	4,200	e6,140	1,260	535	350
10	176	437	898	591	e695	e690	1,530	4,200	e5,990	1,070	472	331
11	232	449	903	774	e725	e633	1,570	4,280	5,880	1,070	460	296
12	276	434	895	760	e1,090	e604	1,590	e5,090	5,700	949	511	292
13	144	432	907	769	e959	617	1,940	e5,140	5,570	745	705	259
14	227	440	971	787	e917	819	2,360	e5,100	5,590	656	1,280	247
15	216	457	1,050	790	e913	e1,120	2,790	e5,070	5,530	643	628	243
16	140	599	1,060	804	e905	e1,110	3,220	e5,110	4,990	580	536	252
17	159	747	1,050	810	e913	e1,000	3,820	e5,100	4,700	538	586	285
18	209	774	1,050	821	e1,020	e911	3,660	e5,160	4,660	644	594	294
19	162	750	1,060	716	e1,200	e960	4,310	5,400	4,680	521	548	302
20	136	774	1,070	510	e1,240	e974	4,340	5,790	4,670	465	484	303
21	131	751	1,070	469	e1,150	e1,010	4,490	6,070	4,290	467	422	318
22	129	769	1,060	489	e1,030	e953	4,690	6,080	4,340	460	388	304
23	135	1,190	1,040	601	e1,110	e854	4,840	6,120	4,150	458	338	302
24	126	793	831	603	e1,370	e872	e5,020	6,150	3,930	550	370	311
25	129	725	567	595	e1,410	e862	e4,570	6,000	3,700	421	358	337
26	122	712	534	597	e1,390	e888	e5,080	5,770	3,640	408	338	352
27	169	743	531	800	e1,300	e881	e5,060	5,710	3,190	410	345	358
28	226	789	502	1,000	e1,360	e883	e5,020	5,870	2,950	430	370	358
29	140	801	434	725	---	e724	e4,950	5,980	2,900	508	386	1,260
30	127	804	615	765	---	774	e4,910	6,100	2,720	434	382	1,290
31	148	---	561	806	---	853	---	6,060	---	484	384	---
TOTAL	6,725	16,383	24,988	22,309	27,343	27,638	87,730	160,980	150,070	28,341	15,563	12,192
MEAN	217	546	806	720	977	892	2,924	5,193	5,002	914	502	406
MAX	1,310	1,190	1,070	1,000	1,410	1,370	5,080	6,150	6,430	2,430	1,280	1,290
MIN	122	166	434	469	644	604	760	4,020	2,720	408	338	243
AC-FT	13,340	32,500	49,560	44,250	54,230	54,820	174,000	319,300	297,700	56,210	30,870	24,180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	196	418	583	553	650	742	1,662	2,643	1,997	557	320	235
MAX	217	546	806	720	977	922	2,924	5,193	5,002	914	502	406
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
MIN	175	332	420	436	474	413	541	696	425	353	188	131
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	254,812	580,262		
ANNUAL MEAN	696	1,590		
HIGHEST ANNUAL MEAN			879	
LOWEST ANNUAL MEAN			1,590	2005
HIGHEST DAILY MEAN	2,960	May 14	6,430	Jun 3
LOWEST DAILY MEAN	84	Aug 9	122	Oct 26
ANNUAL SEVEN-DAY MINIMUM	105	Sep 24	130	Oct 20
MAXIMUM PEAK FLOW			6,740	Jun 2
MAXIMUM PEAK STAGE			7.48	May 24
INSTANTANEOUS LOW FLOW			92	Oct 26
ANNUAL RUNOFF (AC-FT)	505,400	1,151,000		636,800
10 PERCENT EXCEEDS	1,600	5,060		1,880
50 PERCENT EXCEEDS	496	783		464
90 PERCENT EXCEEDS	138	246		159

e Estimated

08331000 RIO GRANDE AT ISLETA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concentra- tion mg/L (80154)
OCT 12...	--	--	--	--	690
NOV 09...	--	--	--	--	219
DEC 15...	--	--	--	--	658
JAN 31...	--	--	--	--	350
FEB 08...	--	--	--	--	211
MAR 29...	<.2	1.9	2.11	85	197
APR 22...	--	--	--	--	1,860
MAY 02...	--	--	--	--	821
JUN 27...	--	--	--	--	150
JUL 15...	--	--	--	--	135
AUG 26...	--	--	--	--	151
SEP 16...	--	--	--	--	167

Remark codes used in this table:
 < -- Less than.
 > -- Greater than.
 E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Calcium bed sed <62.5um wet svd fld,tot percent (34830)	Magnesium, bed sed <62.5um wet svd fld,tot percent (34900)	Potassium, bed sed <62.5um wet svd fld,tot percent (34940)	Sodium, bed sed <62.5um wet svd fld,tot percent (34960)	Sulfur, bed sed <62.5um wet svd fld,tot percent (34970)	Phosphorus, bed sed <62.5um wet svd fld,tot percent (34935)	Total carbon, sedimnt <62.5um wsv nat fld,tot percent (49267)	Inorg. carbon, bed sed <62.5um wet svd fld,tot percent (49269)	Organic carbon, bed sed <62.5um wet svd fld,tot percent (49266)	Aluminum, bed sed <62.5um wet svd fld,tot percent (34790)	Antimony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd fld,tot ug/g (34800)
MAR 29...	1220	1.1	.180	2.0	1.2	<.05	.023	.22	.17	.05	3.7	.3	2.4
JUL 15...	1140	2.9	.560	1.8	.970	<.05	.047	1.1	.78	.36	4.4	.6	4.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Barium, bed sed <62.5um wet svd fld,tot ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd fld,tot ug/g (34816)	Cadmium bed sed <62.5um wet svd fld,tot ug/g (34825)	Cerium, bed sed <62.5um wet svd fld,tot ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd fld,tot ug/g (34845)	Copper, bed sed <62.5um wet svd fld,tot ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium bed sed <62.5um wet svd fld,tot ug/g (34860)	Gold, bed sed <62.5um wet svd fld,tot ug/g (34870)	Holmium bed sed <62.5um wet svd fld,tot ug/g (34875)	Iron, bed sed <62.5um wet svd fld,tot percent (34880)
MAR 29...	630	.9	<1	<.1	27	7	2	6	<1	7	<1	<1	<1	.680
JUL 15...	730	1.8	<1	.1	55	24	6	13	1	10	<1	1	1	1.8

08331000 RIO GRANDE AT ISLETA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Lanthanum, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodymium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)
MAR 29...	16	13	11	210	<.02	<.5	14	4	8	2	<.1	.1	180
JUL 15...	30	15	24	390	.03	.5	27	10	6	6	.1	.1	220

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tantalum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titanium, bed sed <62.5um wsv nat rec, percent (49274)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterbium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)
MAR 29...	<1	<1	4	2	.087	16	1	9	19	1.5
JUL 15...	<1	<1	8	1	.320	49	2	17	46	2.4

Remark codes used in this table:

< -- Less than.

08331118 AMOLE DEL NORTE CHANNEL AT ALBUQUERQUE, NM

LOCATION.--Lat 35°02'14", long 106°43'15", Bernalillo County, Hydrologic Unit 13020203, in Atrisco Grant, on right bank of concrete-lined channel 100 ft south of Blake Road and 2,500 ft west of intersection of Blake Road and Coors Boulevard in southwest Albuquerque.

DRAINAGE AREA.--6.302 mi².

PERIOD OF RECORD.--April 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,997 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.15	0.00	0.00	0.00	3.1	0.00	0.00	0.00	0.00
4	6.8	0.00	0.00	0.05	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
5	17	0.00	0.00	0.00	0.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.24	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00
7	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.8	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	2.3	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.04	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00	3.4	0.00
13	0.19	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	11	0.00
14	0.00	0.00	0.00	0.00	0.00	5.3	0.00	0.00	0.00	0.00	3.2	0.00
15	0.00	0.00	0.00	0.00	0.00	1.1	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.36	0.00	0.00
17	0.01	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.7	0.00	0.00
18	0.00	0.20	0.00	0.00	3.7	0.00	0.00	0.00	0.00	3.9	0.00	0.00
19	0.00	1.5	0.00	0.00	1.0	0.00	0.00	0.00	0.00	0.08	0.00	0.00
20	0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.32	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	8.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	3.2	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.99	0.00	0.00	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	1.5	0.00	0.00	3.6
29	0.00	0.00	0.27	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	19
30	0.00	0.00	0.10	0.04	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	27.94	14.87	0.37	8.52	7.12	8.45	3.28	3.31	1.50	10.04	22.40	22.61
MEAN	0.90	0.50	0.01	0.27	0.25	0.27	0.11	0.11	0.05	0.32	0.72	0.75
MAX	17	8.3	0.27	8.2	3.7	5.3	3.2	3.1	1.5	5.7	11	19
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	55	29	0.7	17	14	17	6.5	6.6	3.0	20	44	45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004	2005
MEAN	0.43	0.25	0.02	0.11	0.09	0.16
MAX	0.90	0.50	0.03	0.27	0.25	0.27
(WY)	(2005)	(2001)	(2001)	(2005)	(2005)	(2005)
MIN	0.01	0.08	0.00	0.00	0.00	0.00
(WY)	(2002)	(2004)	(2004)	(2003)	(2001)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2000 - 2005

ANNUAL TOTAL	127.60	130.41	
ANNUAL MEAN	0.35	0.36	0.21
HIGHEST ANNUAL MEAN			0.36
LOWEST ANNUAL MEAN			0.11
HIGHEST DAILY MEAN	27	19	27
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		191	366
MAXIMUM PEAK STAGE		3.90	4.81
ANNUAL RUNOFF (AC-FT)	253	259	154
10 PERCENT EXCEEDS	0.16	0.12	0.02
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

08332010 RIO GRANDE FLOODWAY NEAR BERNARDO, NM

WATER-QUALITY RECORDS

LOCATION.--Lat 34°25'01", long 106°48'00", Socorro County, Hydrologic Unit 13020203, in Belen or Sevilleta Grant, on downstream side of bridge on U.S. Highway 60, 2.0 mi east of Bernardo, 5.0 mi downstream from heading of conveyance channel, and at mile 1,487.2.

DRAINAGE AREA.--19,230 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, Colorado.

PERIOD OF RECORD.--Water years 1957 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)
OCT 27...	1455	31.0	300	644	8.5	105	8.1	580	19.5	17.0	323
NOV 30...	1330	790	240	647	11.7	105	8.2	555	3.0	4.0	348
MAR 10...	1525	685	400	644	8.9	103	8.9	504	19.0	14.0	745
MAY 05...	1400	3,780	220	644	8.2	101	8.3	300	22.5	17.0	646
JUL 20...	1100	147	130	646	7.7	114	8.2	362	30.5	26.5	200
AUG 18...	1930	184	590	646	6.1	93	8.0	425	28.5	28.0	666
SEP 13...	1245	34	55	646	7.8	110	8.0	531	31.0	24.0	395

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Suspnd. sediment, faldia dst wat percent <.002mm (70337)	Suspnd. sediment, faldia dst wat percent <.004mm (70338)	Suspnd. sediment, faldia dst wat percent <.008mm (70339)	Suspnd. sediment, faldia dst wat percent <.016mm (70340)	Suspnd. sediment, faldia dst wat percent <.063mm (70342)	Suspnd. sediment, faldia dst wat percent <.125mm (70343)	Suspnd. sediment, faldia dst wat percent <.25mm (70344)
OCT 07...	1355	1.6	394	2.02	124	17.5	75	86	90	94	99	100	--
NOV 18...	1200	2.3	756	2.00	167	10.0	46	52	57	61	68	76	76
JAN 07...	1430	2.3	803	2.16	161	5.5	--	--	--	--	52	57	85
MAR 10...	1520	1.6	685	2.12	199	14.0	53	61	63	81	88	89	97
JUL 20...	1050	1.4	147	1.64	65.0	26.5	--	--	--	--	--	--	--
AUG 18...	1910	1.2	184	1.53	100	28.0	57	78	89	95	--	--	--
SEP 13...	1240	.65	34	1.20	44.0	24.0	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspnd. sediment, faldia dst wat percent <.5 mm (70345)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspnd. sediment, sieve diametr percent <1 mm (70335)	Suspended sediment concentration mg/L (80154)
OCT 07...	--	--	--	9,120
NOV 18...	100	--	--	1,040
JAN 07...	100	--	--	444
MAR 10...	100	--	--	657
JUL 20...	--	97	--	162
AUG 18...	--	--	100	595
SEP 13...	--	99	100	378

08332010 RIO GRANDE FLOODWAY NEAR BERNARDO, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Bed sediment, dry svd sve dia percent <.063mm (80164)	Bed sediment, dry svd sve dia percent <.125mm (80165)	Bed sediment, dry svd sve dia percent <.25mm (80166)	Bed sediment, dry svd sve dia percent <.5 mm (80167)	Bed sediment, dry svd sve dia percent <1 mm (80168)	Bed sediment, dry svd sve dia percent <2 mm (80169)	Bed sediment, dry svd sve dia percent <4 mm (80170)
OCT 07...	1350	1.6	394	2.02	124	17.5	.0	.0	13	64	89	94	96
NOV 18...	1205	2.3	756	2.00	167	10.0	.0	.0	13	73	97	99	100
JAN 07...	1435	2.3	803	2.16	161	5.5	.0	1	26	84	99	100	--
MAR 10...	1535	1.6	685	2.12	199	14.0	.0	.0	18	82	98	100	--
JUL 20...	1055	1.4	147	1.64	65.0	26.5	.0	.0	13	79	97	100	--
AUG 18...	1905	1.2	184	1.53	100	28.0	.0	1	22	70	94	99	100
SEP 13...	1235	.65	34	1.20	44.0	24.0	.0	.0	27	80	93	96	96

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Bed sediment, dry svd sve dia percent <8 mm (80171)	Bed sediment, dry svd sve dia percent <16 mm (80172)
OCT 07...	97	100
NOV 18...	--	--
JAN 07...	--	--
MAR 10...	--	--
JUL 20...	--	--
AUG 18...	--	--
SEP 13...	97	100

08334000 RIO PUERCO ABOVE ARROYO CHICO NEAR GUADALUPE, NM

LOCATION.--Lat 35°36'03", long 107°09'56" (revised), in SW $\frac{1}{4}$ sec.21, T.16 N., R.3 W., Sandoval County, Hydrologic Unit 13020204, on right bank 1.6 mi upstream from Arroyo Chico, 5.5 mi northeast of village of Guadalupe, and at mile 106.8.

DRAINAGE AREA.--420 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,950 ft above NGVD of 1929. Prior to July 14, 1966, at datum 1.01 ft higher.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Diversions for irrigation of about 3,700 acres upstream from station in past years, but present diversion negligible. Several observations of water temperature were made during the year. No flow many days most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1943, probably exceeded 5,000 ft³/s based on records for stations upstream and downstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	e0.27	e1.3	e11	e18	0.01	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	e0.79	e10	e14	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	e0.46	10	e9.9	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	e0.36	14	e7.0	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	e0.26	14	e5.3	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.01	e0.16	13	e4.0	0.00	0.00	20
7	0.00	0.00	0.00	0.00	0.00	0.00	0.32	17	e3.6	0.00	0.00	7.9
8	0.00	0.00	0.00	0.00	0.00	0.00	0.50	19	e3.3	0.00	0.00	3.4
9	0.00	0.00	0.00	0.00	0.00	0.00	1.0	17	1.9	0.00	0.00	1.3
10	0.00	0.00	0.00	0.00	0.00	0.00	2.6	20	0.81	0.00	0.00	0.44
11	0.00	0.00	0.00	0.00	0.00	0.00	2.7	33	0.56	0.00	0.00	0.27
12	0.00	0.00	0.00	0.00	0.00	0.00	1.6	41	0.22	0.00	255	0.19
13	0.00	0.00	0.00	0.00	95	0.00	0.93	35	0.08	0.00	99	0.15
14	0.00	0.00	0.00	0.00	18	0.00	0.66	34	0.00	0.00	46	0.08
15	0.00	0.00	0.00	0.00	e6.4	0.00	1.0	34	0.00	0.00	4.3	0.07
16	0.00	0.00	0.00	0.00	e2.3	0.00	3.6	32	0.00	0.00	e2.2	0.00
17	0.00	0.00	0.00	0.00	e0.00	0.45	11	32	0.00	0.00	e1.2	0.00
18	0.00	0.00	0.00	0.00	e0.00	3.6	16	40	0.00	0.00	e0.00	0.00
19	0.00	0.00	0.00	0.00	19	1.8	21	46	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	38	0.89	22	61	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	22	5.8	24	81	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	e15	4.2	23	115	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	e8.2	1.9	21	139	0.00	0.84	0.00	0.00
24	0.00	0.00	0.00	0.00	e4.5	e0.69	36	125	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	e2.3	e0.36	67	105	0.00	0.00	0.00	0.00
26	5.9	0.00	0.00	0.00	e1.5	e0.30	43	e85	8.7	0.00	0.00	0.00
27	21	0.00	0.00	0.00	e1.1	7.8	30	e69	1.9	0.00	0.00	0.00
28	e0.00	0.00	0.00	0.00	e0.75	4.6	e24	e51	0.36	0.00	0.00	1.3
29	0.00	0.00	0.00	0.00	---	e2.1	e18	e38	0.22	0.00	0.00	8.8
30	0.00	0.00	0.00	0.00	---	e1.9	e14	e29	0.12	0.00	0.00	2.2
31	0.00	---	0.00	0.00	---	e2.2	---	e21	---	0.00	0.00	---
TOTAL	26.90	0.00	0.00	0.00	234.05	38.87	388.24	1,391	79.97	0.85	407.70	46.10
MEAN	0.87	0.00	0.00	0.00	8.36	1.25	12.9	44.9	2.67	0.03	13.2	1.54
MAX	21	0.00	0.00	0.00	95	7.8	67	139	18	0.84	255	20
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.16	10	0.00	0.00	0.00	0.00
AC-FT	53	0.00	0.00	0.00	464	77	770	2,760	159	1.7	809	91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

MEAN	7.53	2.73	1.24	2.58	10.9	15.3	19.5	39.1	14.7	16.1	23.5	13.0
MAX	129	28.2	15.9	48.2	79.2	161	99.3	236	113	83.0	101	90.3
(WY)	(1958)	(1987)	(1987)	(1993)	(1979)	(1960)	(1958)	(1973)	(1995)	(1996)	(1957)	(1972)
MIN	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)	(1953)	(1953)	(1953)	(1953)	(1953)	(1953)	(1964)	(1964)	(1953)	(1959)	(1962)	(1952)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1952 - 2005

ANNUAL TOTAL	4,221.84	2,613.68		
ANNUAL MEAN	11.5	7.16	13.9	
HIGHEST ANNUAL MEAN			48.6	1973
LOWEST ANNUAL MEAN			1.11	1974
HIGHEST DAILY MEAN	610	Apr 4	2,000	Aug 12, 1957
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1, 1951
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1, 1951
MAXIMUM PEAK FLOW			1,180	Aug 12, 1967
MAXIMUM PEAK STAGE			6.97	Aug 12, 1967
INSTANTANEOUS LOW FLOW			0.00	Oct 1, 1951
ANNUAL RUNOFF (AC-FT)	8,370	5,180	10,070	
10 PERCENT EXCEEDS	23	21	37	
50 PERCENT EXCEEDS	0.00	0.00	0.10	
90 PERCENT EXCEEDS	0.00	0.00	0.00	

a From rating curve extended above 1,300 ft³/s, on basis of slope-area measurement at gage heights 7.75 ft and 10.60 ft.

e Estimated

08334000 RIO PUERCO ABOVE ARROYO CHICO, NEAR GUADALUPE, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948-56 (published as "below Cabezón"), 1981-96, 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Suspended sediment concentration mg/L (80154)
APR 25...	1300	73	37,200
MAY 24...	1350	98	41,600
24...	1400	98	41,400
JUN 08...	1523	2.4	5,940

LOCATION.--Lat 35°17'31", long 108°06'40", in SE ¼ sec.9, T.12 N., R.12 W., Cibola County, Hydrologic Unit 13020207, at right end of Bluewater Dam on Bluewater Creek, and 9.5 mi west of Bluewater.

DRAINAGE AREA.--201 mi².

PERIOD OF RECORD.--June 1927 to December 1950 (month end contents only, published in WSP 1732), April 1958 to current year (month end contents only).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,345.57 ft above NGVD of 1929. July 1958 to Jan. 1961, nonrecording gage at nearby site, same datum. Gage heights have been converted to sea-level elevations.

REMARKS.--Lake is formed by concrete arch dam. Storage began in 1927. Capacity, 38,500 acre-ft, survey of 1945 at elevation 7,402.6 ft, crest of uncontrolled siphon spillway, which is vented to avoid drawdown below crest, and 44,200 acre-ft, at elevation 7,405.6 ft, crest of ungated spillway over dam. Capacity table used through 1944 showed a capacity of 50,300 acre-ft at crest of ungated spillway over dam, and that used from 1945-50, 43,500 acre-ft. Tables used prior to 1958 are not available and no adjustments are made for changes in tables. Dead storage, 3.4 acre-ft at elevation 7,345.4 ft, sill of lower outlet tube. Lake not usually drawn below conservation-pool-level elevation, 7,365.36 ft, below which ownership is by State Game and Fish Department. Above this level, water is owned and used by Bluewater-Toltec Irrigation Co. Figures given herein represent total contents at 2400 hours.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents determined, 47,100 acre-ft, Apr. 30, 1941. Contents may have been greater on Apr. 28, 1941, when peak discharge of 800 ft³/s occurred at station 8 mi downstream; no storage at times prior to 1947.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 9,910 acre-ft, May 5-8, elevation, 7,378.62 ft; minimum, 3,230 acre-ft, Feb. 10, elevation, 7,364.98 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,560	3,450	3,360	3,300	3,260	4,950	7,830	9,790	8,340	6,450	4,530	3,720
2	3,550	3,440	3,350	3,300	3,250	4,970	7,910	9,810	8,260	6,410	4,470	3,700
3	3,550	3,440	3,350	3,310	3,250	5,000	8,000	9,840	8,170	6,360	4,430	3,690
4	3,550	3,430	3,350	3,310	3,250	5,020	8,130	9,880	8,100	6,330	4,390	3,700
5	3,540	3,430	3,350	3,310	3,240	5,050	8,240	9,910	8,010	6,270	4,370	3,700
6	3,570	3,430	3,350	3,300	3,240	5,110	8,350	9,910	7,930	6,190	4,360	3,700
7	3,570	3,420	3,350	3,300	3,240	5,200	8,460	9,910	7,830	6,120	4,360	3,690
8	3,560	3,420	3,340	3,300	3,240	5,300	8,570	9,910	7,740	6,050	4,360	3,690
9	3,560	3,410	3,340	3,300	3,240	5,380	8,670	9,890	7,650	5,980	4,340	3,690
10	3,550	3,410	3,340	3,300	3,230	5,470	8,750	9,880	7,560	5,910	4,360	3,680
11	3,550	3,410	3,330	3,300	3,240	5,570	8,820	9,830	7,490	5,850	4,350	3,670
12	3,540	3,400	3,330	3,300	3,250	5,660	8,900	9,780	7,440	5,770	4,350	3,660
13	3,540	3,410	3,330	3,290	3,260	5,770	8,960	9,730	7,380	5,700	4,350	3,650
14	3,530	3,400	3,330	3,290	3,290	5,940	9,030	9,680	7,340	5,610	4,340	3,640
15	3,530	3,400	3,320	3,290	3,310	6,080	9,090	9,630	7,270	5,540	4,340	3,630
16	3,520	3,400	3,320	3,280	3,340	6,170	9,140	9,570	7,190	5,460	4,300	3,620
17	3,510	3,400	3,320	3,280	3,390	6,300	9,190	9,490	7,120	5,400	4,250	3,610
18	3,500	3,400	3,320	3,270	3,460	6,380	9,220	9,420	7,040	5,340	4,190	3,600
19	3,500	3,390	3,310	3,270	3,760	6,490	9,240	9,360	6,980	5,280	4,140	3,600
20	3,490	3,380	3,310	3,270	4,070	6,610	9,250	9,290	6,920	5,220	4,090	3,590
21	3,490	3,380	3,310	3,270	4,270	6,780	9,250	9,220	6,860	5,160	4,070	3,580
22	3,480	3,380	3,310	3,260	4,420	6,910	9,260	9,150	6,790	5,090	4,050	3,580
23	3,480	3,380	3,310	3,260	4,560	7,020	9,270	9,060	6,740	5,040	4,040	3,570
24	3,480	3,380	3,300	3,260	4,690	7,100	9,350	8,970	6,700	4,980	4,020	3,560
25	3,470	3,380	3,300	3,260	4,770	7,190	9,450	8,870	6,660	4,930	3,990	3,550
26	3,470	3,370	3,300	3,260	4,840	7,260	9,580	8,810	6,610	4,880	3,960	3,540
27	3,470	3,370	3,290	3,260	4,890	7,330	9,650	8,740	6,580	4,820	3,920	3,540
28	3,470	3,370	3,290	3,260	4,920	7,440	9,710	8,670	6,550	4,760	3,880	3,530
29	3,460	3,360	3,310	3,260	---	7,550	9,740	8,590	6,520	4,700	3,840	3,530
30	3,450	3,360	3,310	3,260	---	7,660	9,770	8,510	6,490	4,640	3,800	3,520
31	3,450	---	3,300	3,260	---	7,750	---	8,420	---	4,590	3,760	---
MAX	3,570	3,450	3,360	3,310	4,920	7,750	9,770	9,910	8,340	6,450	4,530	3,720
MIN	3,450	3,360	3,290	3,260	3,230	4,950	7,830	8,420	6,490	4,590	3,760	3,520
(+)	7,365.69	7,365.39	7,365.20	7,365.06	7,369.81	7,375.40	7,378.43	7,376.46	7,373.20	7,368.96	7,366.63	7,365.91
(++)	-120	-90	-60	-40	+1,660	+2,830	+2,020	-1,350	-1,930	-1,900	-830	-240
CAL YR	2004	MAX 5,020	MIN 3,290									
WTR YR	2005	MAX 9,910	MIN 3,230									

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

08353000 RIO PUERCO NEAR BERNARDO, NM

LOCATION.--Lat 34°24'37", long 106°51'16", in SE 1/4 sec.8, T.2 N., R.1 E., Socorro County, Hydrologic Unit 13020204, on left bank 300 ft upstream from bridge on former U.S. Highway 85, 0.2 mi upstream from Interstate Highway 25, 1.2 mi southwest of Bernardo, 3.0 mi upstream from mouth, and 18.0 mi south of Belen.

DRAINAGE AREA.--7,350 mi², approximately, of which at least 1,130 mi² does not contribute directly to surface runoff.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1939 to current year. Fragmentary gage-height record and footnotes concerning no flow for the period September 1910 to August 1914, published in WSP 358 and 388, are in error and should not be used.

REVISED RECORDS.--WSP 1512: 1941-42, 1944-45, 1946(P), 1947-49. WSP 1632: 1957. WSP 1732: drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,722.34 ft above NGVD of 1929. Prior to Jan. 24, 1969, at datum 3.10 ft higher.

REMARKS.--Water-discharge records good except for those estimated, which are poor. Diversions for irrigation of about 11,500 acres upstream from station (includes 3,700 acres irrigated wholly or partly from wells). No flow part of the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--The greatest flood since about 1880 occurred Sept. 23, 1929, from information by local residents (discharge, about 35,000 ft³/s, estimated on basis of peak at Rio Puerco). Another flood occurred Aug. 12, 1929 (discharge, 30,600 ft³/s, by slope-area measurement, from reports of New Mexico State Engineer).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.04	0.87	e0.19	0.13	8.7	0.68	17	30	0.01	0.00	0.00
2	46	0.05	0.81	e0.20	0.13	5.6	4.5	14	25	0.01	0.00	0.02
3	27	0.06	0.28	e0.21	0.15	4.2	4.1	11	19	0.01	0.00	0.09
4	17	0.09	0.11	e0.22	0.15	3.4	2.5	7.6	14	0.00	0.00	0.08
5	9.5	0.08	0.08	0.22	0.16	2.9	1.5	5.9	7.8	0.01	3.4	0.09
6	149	0.08	0.16	e0.20	0.17	3.3	0.86	5.3	4.5	0.00	0.13	0.09
7	71	0.08	0.09	e0.17	0.16	5.5	0.40	4.3	1.8	0.01	0.02	0.08
8	20	0.08	0.08	0.12	0.14	7.1	0.29	7.3	1.0	0.00	0.00	79
9	6.6	0.13	0.08	0.13	0.12	4.5	0.19	3.3	0.25	0.01	8.3	319
10	3.1	0.17	0.84	0.13	0.15	4.5	0.19	4.7	0.05	0.01	50	360
11	1.5	0.18	2.4	0.14	0.25	3.1	0.17	12	0.03	0.00	14	344
12	0.41	0.22	2.0	0.10	0.21	2.0	0.19	9.3	0.04	0.00	2.9	42
13	0.42	0.24	1.8	0.11	0.15	1.2	0.19	9.3	0.04	0.00	18	15
14	0.18	0.20	1.5	0.13	0.16	1.1	0.25	22	0.04	0.00	186	5.3
15	0.03	0.22	0.70	0.13	0.15	1.1	0.22	28	0.05	0.00	335	1.7
16	0.01	0.19	0.39	0.13	4.6	1.3	0.22	25	0.04	0.00	337	0.48
17	2.7	0.17	0.16	0.12	29	1.4	0.20	24	0.03	0.00	53	0.07
18	2.5	0.17	0.13	0.12	21	2.0	0.19	22	0.03	0.00	15	0.00
19	0.67	0.18	0.22	0.12	14	1.7	0.17	20	0.03	0.00	7.5	0.00
20	0.14	0.19	0.12	0.13	12	1.3	0.16	21	0.02	0.00	9.4	0.00
21	0.03	0.24	0.09	0.14	9.8	1.00	0.14	28	0.07	0.00	5.1	0.00
22	0.03	0.32	0.10	0.15	28	0.66	0.14	31	0.03	0.00	3.0	0.00
23	0.02	0.28	0.09	0.15	31	0.63	14	39	0.02	0.00	1.1	0.00
24	0.03	1.0	0.14	0.14	31	0.51	18	51	0.02	0.00	0.43	0.00
25	0.03	5.5	e0.10	0.15	23	1.1	19	65	0.03	0.00	0.21	0.00
26	0.07	24	e0.08	0.16	17	1.0	19	71	0.24	0.00	0.06	3.6
27	0.14	14	0.08	0.27	13	3.3	26	64	0.03	0.00	0.04	0.63
28	0.06	6.8	0.09	0.16	7.0	3.9	32	56	0.04	0.00	0.05	0.27
29	0.05	3.7	0.11	0.15	---	2.5	22	49	0.02	0.00	0.02	23
30	0.05	2.2	e0.14	0.15	---	1.3	17	42	0.01	0.00	0.01	159
31	0.05	---	e0.16	0.14	---	0.73	---	35	---	0.00	0.00	---
TOTAL	358.35	60.86	14.00	4.78	242.78	82.53	184.45	804.0	104.26	0.07	1,049.67	1,353.50
MEAN	11.6	2.03	0.45	0.15	8.67	2.66	6.15	25.9	3.48	0.00	33.9	45.1
MAX	149	24	2.4	0.27	31	8.7	32	71	30	0.01	337	360
MIN	0.01	0.04	0.08	0.10	0.12	0.51	0.14	3.3	0.01	0.00	0.00	0.00
AC-FT	711	121	28	9.5	482	164	366	1,590	207	0.1	2,080	2,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	46.6	6.73	1.17	2.34	14.1	17.0	16.0	39.0	18.3	60.3	173	82.8
MAX	586	100	26.6	70.0	142	208	179	885	203	362	922	584
(WY)	(1942)	(1987)	(1985)	(1993)	(1979)	(1960)	(1973)	(1941)	(1941)	(1955)	(1957)	(1972)
MIN	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)	(1952)	(1940)	(1940)	(1940)	(1942)	(1942)	(1944)	(1950)	(1945)	(1942)	(2000)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1940 - 2005

ANNUAL TOTAL	8,406.85	4,259.25		
ANNUAL MEAN	23.0	11.7	39.8	
HIGHEST ANNUAL MEAN			171	1941
LOWEST ANNUAL MEAN			4.80	2000
HIGHEST DAILY MEAN	1,140	Apr 7	360	Sep 10
LOWEST DAILY MEAN	0.00	Jun 16	0.00	Jul 4
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 16	0.00	Jul 11
MAXIMUM PEAK FLOW			475	Sep 11
MAXIMUM PEAK STAGE			7.32	Sep 11
INSTANTANEOUS LOW FLOW			0.00	Oct 1
ANNUAL RUNOFF (AC-FT)	16,670	8,450	28,830	
10 PERCENT EXCEEDS	22	24	60	
50 PERCENT EXCEEDS	0.25	0.20	0.00	
90 PERCENT EXCEEDS	0.01	0.00	0.00	

a From rating curve extended above 7,800 ft³/s.

b Maximum gage height, 16.9 ft, present datum, Aug. 12, 1955.

c Estimated

08353000 RIO PUERCO NEAR BERNARDO, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 24...	E.03	<.8	.248	4.8	14	<.08	.4	--	6.0	2.42	4	<.2	1.3
MAR 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 26...	E.03	<8.0	.309	4.2	<6	<.08	.4	2.08	6.4	5.60	E2	<.2	1.3
AUG 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT 07...	--	--	53,400
NOV 30...	--	--	470
FEB 24...	8.41	100	67,500
MAR 31...	--	--	28,800
MAY 04...	--	--	34,800
MAY 26...	2.74	100	57,800
AUG 16...	--	--	38,000
SEP 13...	--	--	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM

LOCATION.--Lat 34°15'23", long 106°53'27", Socorro County, Hydrologic Unit 13020203, in Sevilleta Grant, on right bank 0.2 mi downstream from San Acacia diversion dam, 0.3 mi east of San Acacia, 2.0 mi downstream from Rio Salado, and at mile 1,472.6.

DRAINAGE AREA.--26,770 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1936 to September 1958 (prior to construction of conveyance channel), October 1958 to September 1964 (flow in conveyance channel included), October 1964 to current year. Prior to October 1964 published as 08355000 "Rio Grande at San Acacia" and records are not equivalent.

REVISED RECORDS.--WSP 1242: 1951. WSP 1732: 1958(M). WRD 1969: 1967.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,654.50 ft above NGVD of 1929. Prior to Mar. 19, 1953, at several sites 0.1 mi upstream at different datums. Mar. 19, 1953, to Aug. 19, 1965, at site 0.4 mi downstream at datum 3.60 ft higher. Aug. 19, 1965, to Aug. 15, 1967, at same site at datum 1.89 ft higher. Datum on Aug. 21, 1987, was lowered 2.00 ft; on April 26, 1996, 10.00 ft was added to gage datum. Floodway is bypassed by Socorro Main Canal North and since Oct. 1958 by conveyance channel.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Floodway is one of three channels (stations 08354500, 08354800) carrying flow in valley cross section. For combined monthly flow, in acre-feet, of floodway, conveyance channel, and Socorro Main Canal North, see tabulation below. Tabulation no longer computed because conveyance channel and Socorro Main Canal North have been discontinued. Diversions upstream from station for irrigation of about 760,000 acres; this includes Socorro Main Canal North, which bypasses station and irrigates about 8,600 acres. No flow at times.

AVERAGE DISCHARGE.--22 years (water years 1937-58), 1,192 ft³/s, 863,000 acre-ft/yr, prior to construction of conveyance channel; does not include Socorro Main Canal North. 15 years (water years 1959-73), 911 ft³/s, 660,000 acre-ft/yr, combined flow of floodway, conveyance channel and Socorro Main Canal North, prior to closure of Cochiti Dam. 30 years (water years 1974-2003), 1,354 ft³/s, 980,970 acre-ft/yr, combined flow of floodway, conveyance channel, and Socorro Main Canal North, since closure of Cochiti Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,400 ft³/s, Aug. 5, 1936, gage height, 10.75 ft, site and datum then in use; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 5,980 ft³/s, June 6; minimum daily, 2.7 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	321	821	e641	e799	1,380	581	e4,440	5,300	1,980	71	73
2	9.1	365	792	e712	e771	1,370	611	e4,300	5,030	1,630	71	68
3	14	374	787	e760	e774	1,260	550	e4,290	5,180	1,470	70	342
4	4.4	391	e762	e823	e769	1,450	540	e4,270	5,630	1,120	65	82
5	4.2	398	e708	925	e766	1,190	494	e3,930	5,850	1,010	62	208
6	124	433	e756	1,040	e763	1,040	552	e3,910	5,980	881	62	192
7	278	467	e758	886	e730	1,020	484	e3,740	5,950	740	62	269
8	473	482	e767	871	e724	1,090	439	e3,690	5,950	594	62	197
9	229	491	848	801	e730	905	500	e3,680	5,700	539	61	307
10	174	515	e882	696	e744	750	722	e3,620	5,770	534	73	355
11	164	581	e886	660	e771	705	1,010	e3,620	5,440	484	58	388
12	199	675	e892	766	e805	660	1,110	e3,680	5,290	415	58	183
13	260	698	e888	e763	e970	653	950	e4,060	5,030	359	219	100
14	273	721	e892	e774	e1,230	671	1,090	e4,290	4,850	303	252	87
15	245	730	e901	e779	e1,090	787	1,330	e4,450	4,780	254	633	e64
16	e330	741	e943	e785	e989	997	1,740	e4,770	4,810	217	765	e61
17	e248	756	e947	e782	e1,000	1,180	2,210	e4,830	4,460	210	412	e61
18	e200	799	e953	e788	e1,020	1,160	3,400	e5,080	4,150	197	288	e59
19	e166	830	e953	e785	e1,090	1,010	2,930	e4,880	3,980	165	248	e56
20	e146	851	e957	e766	e1,250	980	3,300	e4,790	3,980	183	256	e54
21	e137	836	e970	e652	e1,290	1,040	3,880	e4,880	3,790	147	232	e53
22	129	860	e976	e610	e1,370	974	3,870	e5,220	3,520	124	195	e45
23	130	867	e968	e601	e1,270	983	3,950	e5,440	3,450	118	e133	45
24	113	889	e951	e629	e1,220	895	4,360	e5,560	3,420	114	e99	47
25	111	962	e899	e640	1,340	898	4,850	e5,500	3,510	96	e81	45
26	108	854	e704	e652	1,610	943	4,640	e5,650	3,380	97	82	43
27	135	848	e662	e691	1,580	955	e4,530	e5,430	3,140	87	82	42
28	113	846	e641	e771	1,490	987	e4,670	5,040	2,590	83	82	41
29	120	832	e628	e980	---	857	e4,510	5,050	2,220	82	82	339
30	186	803	e569	e860	---	779	e4,430	5,380	2,100	80	78	791
31	211	---	e613	e785	---	646	---	5,390	---	74	75	---
TOTAL	5,036.4	20,216	25,674	23,674	28,955	30,215	68,233	142,860	134,230	14,387	5,069	4,697
MEAN	162	674	828	764	1,034	975	2,274	4,608	4,474	464	164	157
MAX	473	962	976	1,040	1,610	1,450	4,850	5,650	5,980	1,980	765	791
MIN	2.7	321	569	601	724	646	439	3,620	2,100	74	58	41
AC-FT	9,990	40,100	50,920	46,960	57,430	59,930	135,300	283,400	266,200	28,540	10,050	9,320
CAL YR	2004	TOTAL 216,170.84	MEAN 591	MAX 3,180	MIN 0.00	AC-FT 428,800						
WTR YR	2005	TOTAL 503,246.4	MEAN 1,379	MAX 5,980	MIN 2.7	AC-FT 998,200						

e Estimated

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937-56, 1959 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 NTU (63675)	Turbidity white light, det ang 90+/-30 corrected NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfiltered field, std units (00400)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, filtered, mg/L (00915)
OCT 27...	1330	132	--	1,510	646	8.9	108	8.0	682	19.0	16.5	--	--
NOV 30...	1200	802	--	360	650	11.7	102	8.2	620	1.5	3.0	--	--
DEC 07...	1150	848	270	--	645	10.2	95	8.3	522	7.0	5.0	160	50.0
JAN 11...	1145	675	--	150	643	10.1	104	7.7	582	13.5	9.0	--	--
FEB 28...	1135	1,520	--	490	642	9.5	100	8.6	494	15.0	10.0	--	--
MAR 24...	1120	879	--	170	640	9.3	102	8.0	487	9.5	11.5	--	--
APR 01...	1115	620	--	170	653	10.5	108	7.8	503	10.0	9.5	--	--
06...	1150	568	--	--	660	9.4	99	8.4	495	18.5	11.0	130	42.1
26...	1430	4,920	--	760	643	9.2	109	8.3	340	20.5	15.0	--	--
MAY 31...	1415	5,410	--	E480	644	7.7	103	7.8	270	29.5	21.0	--	--
JUN 22...	1436	3,410	--	130	647	7.2	101	7.9	259	28.0	24.0	--	--
JUL 08...	1730	551	97	--	646	6.8	98	8.4	348	31.0	25.0	120	38.2
14...	1320	285	--	45	645	7.6	112	8.3	417	34.5	26.0	--	--
AUG 04...	1245	63	--	20	648	7.3	110	8.3	620	33.5	27.5	--	--
SEP 13...	1502	86	--	170	646	7.4	103	8.0	775	30.0	23.0	--	--
27...	1530	37	--	--	645	8.0	107	8.5	874	33.0	21.0	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water field, mg/L as CaCO3 (39086)	Bicarbonate, water field, titr., mg/L (00453)	Carbonate, water field, titr., mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L (00955)	Sulfate water, filtered, mg/L (00945)	Residue water, filtered, sum of constituents mg/L (70301)	Ammonia + org-N, water, filtered, mg/L as N (00623)
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 30...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 07...	8.48	4.90	2	48.4	142	170	1	30.4	.6	25.9	77.5	334	.16
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	7.17	4.27	2	40.4	133	159	--	27.8	.5	23.8	66.7	293	.16
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	5.76	3.75	1	25.4	104	124	2	14.3	.4	21.8	41.8	216	.29
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	e190	e190	2	--	--	--	--	--	.24

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 30...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 07...	.62	E.02	--	.43	<.008	.17	.193	.53	E1,000	1,600	E1	E.12	4
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.50	<.04	E.034	.37	<.008	.25	.27	.42	76	<69	2	E.15	4
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	.53	<.04	<.100	.26	<.008	.17	.197	.29	E83	56	10	E.17	4
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	.43	<.04	.130	.27	.012	.19	.20	.25	77	91	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 30...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 07...	85	<.06	112	E.03	<.8	.383	.8	E4	<.08	20.0	E.01	6.0	1.39
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	79	<.06	95	E.04	<.8	.261	1.0	<6	<.08	3.1	<.01	5.4	3.94
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	63	<.06	63	E.04	<.8	.205	1.6	<6	E.07	1.1	<.01	4.4	2.24
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	<.01	--	--

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd, ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural, water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT 27...	--	--	--	--	--	--	1,630
NOV 30...	--	--	--	--	--	--	870
DEC 07...	<3	<3	<.2	1.4	2.44	48	714
JAN 11...	--	--	--	--	--	--	--
FEB 28...	--	--	--	--	--	--	1,060
MAR 24...	--	--	--	--	--	--	269
APR 01...	--	--	--	--	--	--	255
06...	<3	<3	<.2	1.7	2.65	97	175
26...	--	--	--	--	--	--	3,160
MAY 31...	--	--	--	--	--	--	1,100
JUN 22...	--	--	--	--	--	--	844
JUL 08...	<3	<3	<.2	2.2	1.45	38	237
14...	--	--	--	--	--	--	334
AUG 04...	--	--	--	--	--	--	82
SEP 13...	--	--	--	--	--	--	217
27...	--	--	--	--	--	--	--

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	2,6-Di-ethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyri-fos water, fltrd, ug/L (38933)
DEC 07...	1150	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
APR 06...	1150	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
JUL 08...	1730	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
SEP 27...	1530	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	cis-Per-methrin water fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal-flur-alin, water, fltrd 0.7u GF (82663)	Etho-prop, water, fltrd 0.7u GF (82672)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)
DEC 07...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
APR 06...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
JUL 08...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
SEP 27...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, bed sed <62.5um wet svd fld,tot ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd fld,tot ug/g (34816)	Cadmium bed sed <62.5um wet svd fld,tot ug/g (34825)	Cerium, bed sed <62.5um wet svd fld,tot ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd fld,tot ug/g (34845)	Copper, bed sed <62.5um wet svd fld,tot ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium, bed sed <62.5um wet svd fld,tot ug/g (34860)	Gold, bed sed <62.5um wet svd fld,tot ug/g (34870)	Holmium, bed sed <62.5um wet svd fld,tot ug/g (34875)	Iron, bed sed <62.5um wet svd fld,tot percent (34880)
DEC 07...	780	1.7	<1	<.1	54	33	7	12	1	9	<1	<1	1.8
APR 06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	880	1.1	<1	<.1	53	33	7	9	1	9	<1	<1	2.5
SEP 27...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Lanthanum, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd fld,tot ug/g (34890)	Lithium, bed sed <62.5um wet svd fld,tot ug/g (34895)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury, bed sed <62.5um wet svd fld,tot ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodymium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd fld,tot ug/g (34925)	Niobium, bed sed <62.5um wet svd fld,tot ug/g (34930)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd fld,tot ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)
DEC 07...	30	14	19	350	<.02	<.5	26	14	8	5	<1	.2	340
APR 06...	--	--	--	--	<.02	--	--	--	--	--	<1	--	--
JUL 08...	28	13	12	430	.04	<.5	26	9	7	4	<1	.1	280
SEP 27...	--	--	--	--	<.02	--	--	--	--	--	<1	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tantalum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium, bed sed <62.5um wet svd fld,tot ug/g (34980)	Tin, bed sed <62.5um wet svd fld,tot ug/g (34985)	Titanium, bed sed <62.5um wsv nat rec, percent (49274)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterbium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium, bed sed <62.5um wet svd fld,tot ug/g (35010)	Zinc, bed sed <62.5um wet svd fld,tot ug/g (35020)	Uranium, bed sed <62.5um wet svd fld,tot ug/g (35000)
DEC 07...	<1	<1	7	1	.240	50	2	14	39	1.8
APR 06...	--	--	--	--	--	--	--	--	--	--
JUL 08...	<1	<1	7	1	.440	73	2	13	43	1.8
SEP 27...	--	--	--	--	--	--	--	--	--	--

Remark codes used in this table:
 < -- Less than.

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.002mm (70337)	Suspnd. sediment, falldia dst wat percent <.004mm (70338)	Suspnd. sediment, falldia dst wat percent <.008mm (70339)	Suspnd. sediment, falldia dst wat percent <.016mm (70340)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)	Suspnd. sediment, falldia dst wat percent <.25mm (70344)
OCT 18...	1430	1.6	228	1.65	88.0	16.0	66	86	91	97	--	--	--
NOV 12...	1310	1.3	689	3.25	161	10.5	40	45	50	55	73	89	100
JAN 11...	1150	1.9	675	2.18	165	9.0	--	--	--	--	64	68	80
FEB 28...	1120	3.1	1,520	3.02	160	10.0	49	53	56	61	73	89	95
MAR 24...	1130	2.6	879	2.00	166	11.5	--	--	--	--	--	--	--
APR 01...	1000	1.8	620	2.17	162	9.5	--	--	--	--	--	--	--
APR 26...	1400	5.2	4,920	5.91	160	15.0	21	25	26	28	29	42	89
MAY 31...	1345	5.7	5,410	5.71	165	21.0	--	--	--	--	57	61	92
JUN 22...	1420	4.7	3,410	4.85	150	24.0	--	--	--	--	27	33	65
JUL 14...	1305	1.8	285	2.39	67.0	26.0	--	--	--	--	33	48	76
AUG 04...	1225	.89	63	2.52	28.0	27.5	--	--	--	--	--	--	--
SEP 13...	1507	.81	86	1.56	68.0	23.0	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspnd. sediment, sieve diametr percent <1 mm (70335)	Suspended sediment concentration mg/L (80154)
OCT 18...	--	--	100	751
NOV 12...	--	--	--	2,810
JAN 11...	100	--	--	347
FEB 28...	100	--	--	1,000
MAR 24...	--	--	100	243
APR 01...	--	--	100	223
APR 26...	99	--	100	2,070
MAY 31...	100	--	--	1,060
JUN 22...	100	--	--	617
JUL 14...	100	--	--	142
AUG 04...	--	100	--	36
SEP 13...	--	97	100	177

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Bed sediment, dry svd sve dia percent <.063mm (80164)	Bed sediment, dry svd sve dia percent <.125mm (80165)	Bed sediment, dry svd sve dia percent <.25mm (80166)	Bed sediment, dry svd sve dia percent <.5 mm (80167)	Bed sediment, dry svd sve dia percent <1 mm (80168)	Bed sediment, dry svd sve dia percent <2 mm (80169)	Bed sediment, dry svd sve dia percent <4 mm (80170)
OCT 18...	1430	1.6	228	1.65	88.0	16.0	.0	.0	9	56	79	88	95
NOV 12...	1315	1.3	689	3.25	161	10.5	1	9	70	98	99	100	--
JAN 11...	1155	1.9	675	2.18	165	9.0	.0	.0	8	60	84	90	93
FEB 28...	1125	3.1	1,520	3.02	160	10.0	.0	1	9	37	57	69	77
MAR 24...	1125	2.6	879	2.00	166	11.5	.0	.0	12	51	78	91	96
APR 01...	1000	1.8	620	2.17	162	9.5	.0	1	11	38	52	61	69
APR 26...	1345	5.2	4,920	5.91	160	15.0	.0	.0	2	31	79	95	99
MAY 31...	1330	5.7	5,410	5.71	165	21.0	.0	.0	19	77	84	87	91
JUN 22...	1425	4.7	3,410	4.85	150	24.0	.0	1	22	82	90	92	92
JUL 14...	1310	1.8	285	2.39	67.0	26.0	.0	.0	11	54	75	85	91
AUG 04...	1220	.89	63	2.52	28.0	27.5	.0	.0	8	35	48	57	65
SEP 13...	1520	.81	86	1.56	68.0	23.0	.0	1	10	45	59	67	75

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Bed sediment, dry svd sve dia percent <8 mm (80171)	Bed sediment, dry svd sve dia percent <16 mm (80172)	Bed sediment, dry svd sve dia percent <63mm (69046)
OCT 18...	99	100	--
NOV 12...	--	--	--
JAN 11...	96	100	--
FEB 28...	89	100	--
MAR 24...	99	100	--
APR 01...	79	100	--
APR 26...	100	--	--
MAY 31...	94	100	--
JUN 22...	93	100	--
JUL 14...	96	100	--
AUG 04...	72	85	100
SEP 13...	84	90	100

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM

LOCATION.--Lat 33°41'15", long 106°59'34", Socorro County, 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.

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. For combined monthly flow, in acre-feet, of this channel and floodway, see tabulation below daily table for station 08358400. Flow from the river has been diverted since 1965.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	156	157	183	193	185	225	418	386	224	124	127
2	110	137	152	184	172	208	200	442	383	254	114	151
3	106	113	153	183	154	239	208	409	350	295	100	152
4	130	92	164	184	164	290	226	413	335	268	107	201
5	142	94	159	182	174	263	228	401	376	276	88	239
6	154	93	162	180	174	265	261	380	385	304	85	228
7	153	91	173	177	173	282	230	347	345	289	121	193
8	180	91	180	168	176	275	205	366	331	263	139	184
9	158	96	173	173	172	267	206	389	343	299	165	196
10	e166	112	168	162	171	261	204	387	300	301	201	198
11	181	116	165	137	188	247	277	348	311	316	161	209
12	171	109	166	148	192	254	283	271	344	269	231	235
13	165	115	167	151	191	251	281	297	339	241	257	201
14	149	121	165	152	190	250	248	291	355	248	295	186
15	155	128	161	147	191	259	243	319	328	227	279	194
16	173	136	153	133	192	271	233	342	362	206	300	181
17	190	133	160	135	187	260	302	370	357	218	309	134
18	186	126	170	137	174	263	318	347	345	217	310	117
19	180	122	171	145	174	262	358	354	311	180	294	103
20	156	124	177	161	175	265	378	344	319	198	253	99
21	114	129	179	166	178	266	353	338	340	209	257	e99
22	129	137	185	172	185	257	306	313	314	191	271	e73
23	125	131	182	172	190	245	329	262	320	158	240	e68
24	98	136	179	171	188	236	379	308	279	138	239	66
25	79	146	178	166	187	243	393	393	271	150	223	90
26	101	154	177	161	188	253	347	395	302	168	218	109
27	99	165	179	155	184	251	381	384	317	169	201	103
28	133	158	177	166	185	250	347	438	281	145	187	131
29	113	159	182	172	---	241	317	415	256	135	171	125
30	126	166	195	178	---	255	360	443	222	148	173	184
31	131	---	189	194	---	245	---	420	---	139	127	---
TOTAL	4,373	3,786	5,298	5,095	5,062	7,859	8,626	11,344	9,807	6,843	6,240	4,576
MEAN	141	126	171	164	181	254	288	366	327	221	201	153
MAX	190	166	195	194	193	290	393	443	386	316	310	239
MIN	79	91	152	133	154	185	200	262	222	135	85	66
AC-FT	8,670	7,510	10,510	10,110	10,040	15,590	17,110	22,500	19,450	13,570	12,380	9,080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

MEAN	253	458	454	385	381	402	424	492	426	311	266	237
MAX	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)
MIN	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)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1965 - 2005
ANNUAL TOTAL	56,742.03	78,909	
ANNUAL MEAN	155	216	374
HIGHEST ANNUAL MEAN			1,137
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	406	443	2,200
LOWEST DAILY MEAN	0.00	66	0.00
ANNUAL SEVEN-DAY MINIMUM	2.7	85	0.00
ANNUAL RUNOFF (AC-FT)	112,500	156,500	270,900
10 PERCENT EXCEEDS	270	347	943
50 PERCENT EXCEEDS	159	188	256
90 PERCENT EXCEEDS	49	121	0.37

e Estimated

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
DEC 03...	1220	154	--	650	9.6	98	8.3	1,010	10.0	9.0	260	77.2	15.2
FEB 24...	1015	189	--	650	8.8	94	8.3	1,030	.0	11.0	260	78.5	16.3
JUN 28...	1430	292	420	648	7.6	104	8.0	994	36.0	22.5	250	75.2	15.8
AUG 08...	1350	141	140	651	7.1	103	8.2	1,100	33.0	25.5	260	78.4	15.6

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Carbonate, wat fltr incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
DEC 03...	6.75	3	125	--	--	--	.09	94.6	.6	26.3	179	650	.15
FEB 24...	6.43	3	123	202	241	2	.32	101	.6	24.6	179	651	.14
JUN 28...	6.21	3	115	208	248	--	.28	85.7	.6	25.8	167	615	.43
AUG 08...	6.93	4	132	204	243	--	--	104	.6	27.9	182	668	.21

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
DEC 03...	.25	<.04	E.024	<.06	<.008	.04	.054	.107	E1	<.20	6	80	<.06
FEB 24...	.29	<.04	E.048	E.04	<.008	.04	.049	.134	<2	<.20	7	80	<.06
JUN 28...	.18	.06	E.047	E.06	.008	.17	.173	.072	2	<.20	7	77	<.06
AUG 08...	.47	<.04	--	<.06	<.008	.06	.079	.21	<2	E.11	8	85	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
DEC 03...	202	<.04	2.0	.397	3.6	E4	<.08	21.9	6.2	.71	<3	<.2	E.5
FEB 24...	208	<.04	<.8	.298	.9	<6	<.08	31.5	6.6	1.52	<3	<.2	.8
JUN 28...	188	<.04	<.8	.355	1.0	E4	<.08	40.2	6.8	2.89	<3	<.2	.9
AUG 08...	209	E.02	<.8	.252	1.0	E6	<.08	3.4	7.7	2.22	<3	<.2	.6

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concentration mg/L (80154)
DEC 03...	1.53	79	82
FEB 24...	1.48	82	117
JUN 28...	1.36	92	164
AUG 08...	1.49	85	189

Remark codes used in this table:

< -- Less than.

E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	2,6-Di-ethyl- aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF (82686)	Ben- flur- alin, water, fltrd 0.7u GF (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF (82680)	Carbo- furan, water, fltrd 0.7u GF (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)
JUN 28...	1430	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
AUG 08...	1350	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	cis- Per- methrin water fltrd 0.7u GF (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	Desulf- inyl fipronil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal- flur- alin, water, fltrd 0.7u GF (82663)	Etho- prop, water, fltrd 0.7u GF (82672)	Desulf- inyl- fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
JUN 28...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
AUG 08...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF (82671)	Naprop- amide, water, fltrd 0.7u GF (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF (82669)
JUN 28...	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004
AUG 08...	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Pendi- meth- alin, water, fltrd 0.7u GF (82683)	Phorate water fltrd 0.7u GF (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF (82679)	Propar- gite, water, fltrd 0.7u GF (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF (82670)	Terba- cil, water, fltrd 0.7u GF (82665)	Terbu- fos, water, fltrd 0.7u GF (82675)	Thio- bencarb water fltrd 0.7u GF (82681)	Tri- allate, water, fltrd 0.7u GF (82678)
JUN 28...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006
AUG 08...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tri-fluor-alin, water, fltrd 0.7u GF ug/L (82661)
JUN 28...	<.009
AUG 08...	<.009

Remark codes used in this table:
< -- Less than.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Selen- ium, bed sed <62.5um wet svd fld,tot ug/g (34950)
JUN 28...	1430	<.02	.1
JUL 26...	1830	.02	.2
AUG 08...	1350	<.02	.1
SEP 27...	1250	<.02	.1

Remark codes used in this table:
< -- Less than.

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM

LOCATION.--Lat 33°40'41", long 106°59'52", Socorro County, Hydrologic Unit 13020203, in Pedro Armendaris Grant No. 33, 0.3 miles downstream from southern pier of the Atchison, Topeka, and Santa Fe Railway Co. bridge, on right bank 1.4 mi downstream from former site of San Marcial, 18.5 mi southwest of San Antonio, and at mile 1,425.2.

DRAINAGE AREA.--27,700 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to current year. Records collected at this site January 1895 to September 1964 represent total flow of the river and were published as "Rio Grande at San Marcial" (station 08358500). Records of daily discharge for floodway only, April 1950 to September 1964, are available in files of District office.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,455.19 ft above NGVD of 1929.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Floodway is one of two channels (station 08358300) carrying flow in valley cross section. Prior to 1950, all flow was in floodway channel. Combined monthly discharge in acre-feet is given at end of each year's table. Diversion for irrigation of about 775,000 acres upstream from station (includes about 13,800 acre-ft diverted from conveyance channel).

AVERAGE DISCHARGE.--40 years (water years 1965-2004), 755 ft³/s, 547,000 acre-ft/yr. Total flow of river, 109 years (water years 1895-2004), 1,237 ft³/s, 896,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge since Jan. 1895, about 50,000 ft³/s, Oct. 11, 1904; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,070 ft³/s, June 7; minimum daily discharge, no flow at times.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	75	614	468	627	1,070	545	4,110	4,400	1,580	e0.00	0.00
2	24	146	603	611	682	1,060	567	3,900	4,520	1,510	e0.00	0.00
3	22	179	595	730	638	1,010	605	3,880	4,610	1,400	e0.00	0.00
4	24	183	571	787	622	1,020	555	3,660	4,800	1,240	0.00	44
5	25	188	514	790	626	1,030	538	3,780	4,830	e1,080	0.00	66
6	27	205	443	767	642	880	445	3,760	4,740	e912	0.00	81
7	46	218	511	822	634	798	523	3,550	4,920	791	0.00	103
8	90	223	492	695	592	808	522	3,580	4,890	698	0.00	127
9	206	220	487	733	565	840	373	3,660	4,680	580	0.00	86
10	72	232	557	633	620	701	498	3,710	4,620	497	0.00	90
11	51	232	655	514	639	556	818	3,810	4,650	432	0.00	144
12	49	259	664	513	659	562	1,120	3,750	4,420	383	0.00	128
13	47	377	628	670	651	536	816	3,780	4,690	320	0.00	107
14	81	384	633	653	718	542	679	3,920	4,520	261	0.00	9.6
15	68	369	629	611	913	655	761	4,060	4,430	216	2.1	0.00
16	48	381	680	615	798	735	876	4,150	4,400	169	148	0.00
17	47	395	746	638	768	852	1,020	4,190	4,200	131	287	0.00
18	48	405	794	652	797	869	1,410	4,170	3,990	e99	241	0.00
19	40	474	811	643	800	809	1,880	4,200	3,580	e75	144	0.00
20	38	511	808	636	810	749	1,920	4,140	3,370	e53	111	0.00
21	e56	540	821	605	873	735	2,320	4,200	3,290	e33	107	0.00
22	64	519	828	485	914	753	2,570	4,280	3,200	e19	119	0.00
23	46	547	845	447	968	693	2,880	4,310	3,010	e8.0	108	0.00
24	49	599	857	442	962	720	3,230	4,320	2,850	e1.9	58	0.00
25	46	667	858	505	928	690	3,500	4,380	2,680	e0.00	32	0.00
26	52	765	763	488	1,040	672	3,710	4,260	2,590	e0.00	51	0.00
27	71	511	538	545	1,170	684	3,900	4,410	2,490	e0.00	9.5	0.00
28	108	523	506	627	1,140	685	3,880	4,320	2,300	e0.00	0.43	0.00
29	71	511	476	709	---	701	4,040	4,360	2,070	e0.00	0.00	0.00
30	69	563	448	897	---	608	4,010	4,420	1,760	e0.00	0.00	0.00
31	85	---	379	695	---	571	---	4,530	---	e0.00	0.00	---
TOTAL	1,794	11,401	19,754	19,626	21,796	23,594	50,511	125,550	115,500	12,488.90	1,418.03	985.60
MEAN	57.9	380	637	633	778	761	1,684	4,050	3,850	403	45.7	32.9
MAX	206	765	858	897	1,170	1,070	4,040	4,530	4,920	1,580	287	144
MIN	22	75	379	442	565	536	373	3,550	1,760	0.00	0.00	0.00
AC-FT	3,560	22,610	39,180	38,930	43,230	46,800	100,200	249,000	229,100	24,770	2,810	1,950
(+)	12,230	30,120	49,690	49,040	53,270	62,390	117,310	271,500	248,550	38,340	15,190	11,030
CAL YR	2004	TOTAL	149,143	MEAN	407	MAX	2,780	MIN	20	AC-FT	295,800	
WTR YR	2005	TOTAL	404,418.53	MEAN	1,108	MAX	4,920	MIN	0.00	AC-FT	802,200	

(+) Combined flow, in acre-ft, and mean, in cubic feet per second, of Floodway and Conveyance Channel.

e Estimated

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concentra- tion mg/L (80154)
OCT 27...	--	--	--	--	--	--	--	940
NOV 19...	--	--	--	--	--	--	--	--
DEC 02...	1.04	<3	<3	<.2	1.1	2.76	66	2,750
JAN 14...	--	--	--	--	--	--	--	1,400
MAR 11...	--	--	--	--	--	--	--	1,050
MAR 31...	--	--	--	--	--	--	--	1,150
APR 21...	.84	<3	<3	<.2	1.0	2.05	53	1,650
MAY 06...	--	--	--	--	--	--	--	614
JUN 03...	--	--	--	--	--	--	--	1,040
JUN 23...	--	--	--	--	--	--	--	424
JUL 12...	--	--	--	--	--	--	--	--
JUL 14...	2.14	<3	<3	<.2	1.3	1.95	78	248
AUG 16...	--	--	--	--	--	--	--	7,880

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)
APR 21...	1230	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005
JUL 14...	1530	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)
APR 21...		<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
JUL 14...		<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)
APR 21...		<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004
JUL 14...		<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Lanthanum, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium, bed sed <62.5um wet svd field, total, ug/g (34895)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury, bed sed <62.5um wet svd field, total, ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodymium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium, bed sed <62.5um wet svd field, total, ug/g (34930)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)
DEC 02...	26	14	22	360	<.02	.5	25	13	9	6	.1	.2	270
JUL 14...	26	14	22	350	.03	<.5	26	12	7	6	.1	.2	260
AUG 08...	--	--	--	--	<.02	--	--	--	--	--	<.1	--	--
SEP 27...	--	--	--	--	.04	--	--	--	--	--	.3	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tantalum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium, bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titanium, bed sed <62.5um wsv nat rec, percent (49274)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterbium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium, bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	Uranium, bed sed <62.5um wet svd field, total, ug/g (35000)
DEC 02...	<1	<1	7	1	.240	48	2	14	43	1.8
JUL 14...	<1	<1	8	1	.340	54	2	15	45	2.0
AUG 08...	--	--	--	--	--	--	--	--	--	--
SEP 27...	--	--	--	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Suspnd. sediment, faldia dst wat percent <.002mm (70337)	Suspnd. sediment, faldia dst wat percent <.004mm (70338)	Suspnd. sediment, faldia dst wat percent <.008mm (70339)	Suspnd. sediment, faldia dst wat percent <.016mm (70340)	Suspnd. sediment, faldia dst wat percent <.063mm (70342)	Suspnd. sediment, faldia dst wat percent <.125mm (70343)	Suspnd. sediment, faldia dst wat percent <.25mm (70344)
OCT 19...	1250	1.6	39	.97	26.0	14.0	84	97	98	99	--	--	--
NOV 19...	1235	1.9	475	2.18	115	10.0	57	68	73	82	92	95	100
JAN 06...	1335	1.8	742	3.60	115	4.0	30	32	36	43	67	84	100
FEB 18...	1155	1.9	855	3.43	128	10.0	48	60	63	65	74	87	100
MAR 11...	1150	1.8	556	3.45	89.0	14.0	45	50	52	58	71	86	100
MAR 31...	1715	1.5	552	2.53	145	12.0	46	54	57	57	63	84	100
MAY 06...	1620	3.4	3,830	2.99	372	18.0	--	--	--	--	65	74	99
JUN 03...	1410	3.5	4,530	3.41	375	21.5	--	--	--	--	58	61	94
JUN 23...	1300	4.5	2,930	2.38	275	24.0	36	41	43	47	54	59	73
JUL 12...	1410	1.5	376	1.40	174	27.5	--	--	--	--	--	--	--
AUG 16...	1500	.99	170	2.23	77.0	27.0	81	92	93	95	95	97	98

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspnd. sediment, fall dia 100 µm percent (70345)	Suspnd. sediment, sieve diametr <.063mm (70331)	Suspnd. sediment, sieve diametr <1 mm (70335)	Suspended sediment concentration mg/L (80154)
OCT 19...	--	--	100	4,850
NOV 19...	--	--	--	3,910
JAN 06...	--	--	--	1,550
FEB 18...	--	--	--	2,980
MAR 11...	--	--	--	871
MAR 31...	--	--	--	651
MAY 06...	100	--	--	592
JUN 03...	100	--	--	1,100
JUN 23...	100	--	--	599
JUL 12...	--	90	--	205
AUG 16...	100	--	--	7,270

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mean stream depth, feet (00064)	Instantaneous discharge, cfs (00061)	Stream velocity, ft/s (00055)	Stream width, feet (00004)	Temperature, water, deg C (00010)	Bed sediment, dry svs dia <.063mm (80164)	Bed sediment, dry svs dia <.125mm (80165)	Bed sediment, dry svs dia <.25mm (80166)	Bed sediment, dry svs dia <.5 mm (80167)	Bed sediment, dry svs dia <1 mm (80168)	Bed sediment, dry svs dia <2 mm (80169)	Bed sediment, dry svs dia <4 mm (80170)
OCT 19...	1255	1.6	39	.97	26.0	14.0	1	8	62	95	96	97	98
NOV 19...	1240	1.9	475	2.18	115	10.0	1	5	68	97	98	98	99
JAN 06...	1340	1.8	742	3.60	115	4.0	2	14	87	100	--	--	--
FEB 18...	1150	1.9	855	3.43	128	10.0	1	10	87	100	--	--	--
MAR 11...	1155	1.8	556	3.45	89.0	14.0	1	10	83	100	--	--	--
MAR 31...	1715	1.5	552	2.53	145	12.0	.0	8	81	100	--	--	--
MAY 06...	1545	3.4	3,830	2.99	372	18.0	1	15	82	100	--	--	--
JUN 03...	1345	3.5	4,530	3.41	375	21.5	.0	25	89	100	--	--	--
JUN 23...	1305	4.5	2,930	2.38	275	24.0	.0	3	57	99	100	--	--
JUL 12...	1350	1.5	376	1.40	174	27.5	.0	1	28	92	99	99	100
AUG 16...	1445	.99	170	2.23	77.0	27.0	.0	.0	28	97	100	--	--

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Bed sediment, dry svd sve dia percent <8 mm (80171)	Bed sediment, dry svd sve dia percent <16 mm (80172)
OCT 19...	99	100
NOV 19...	100	--
JAN 06...	--	--
FEB 18...	--	--
MAR 11...	--	--
31...	--	--
MAY 06...	--	--
JUN 03...	--	--
23...	--	--
JUL 12...	--	--
AUG 16...	--	--

08360500 ELEPHANT BUTTE RESERVOIR AT ELEPHANT BUTTE, NM

LOCATION.--Lat 33°09'15", long 107°11'28", in NW ¼ sec.30, T.13 S., R.3 W., Sierra County, Hydrologic Unit 13020211, at dam on Rio Grande, 1 mi west of Elephant Butte, 4 mi northeast of Truth or Consequences (Hot Springs), and at mile 1,383.2.

DRAINAGE AREA.--29,445 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--March 1915 to December 1939 (monthend contents only published in WSP 1312), January 1940 to September 1965 (monthend contents only), October 1965 to current year.

REVISED RECORDS.--WSP 1442: 1954(m). WSP 1632: drainage area.

GAGE.--Water-stage recorder. Datum of gage is 43.3 ft above NGVD of 1929. Prior to Sept. 1930, and Oct. 16, 1939, to May 2, 1940, nonrecording gages.

REMARKS.--Reservoir is formed by concrete dam. Storage began Jan. 6, 1915. Dam completed May 13, 1916. Capacity, 2,023,000 acre-ft, survey of 1999 at gage height 4,407.0 ft, crest of spillway. Capacity by original survey was 2,638,900 acre-ft. No adjustment made for decrease in capacity due to sedimentation between effective dates of capacity tables. No dead storage. No storage allocated to flood control. Water is used for power development and irrigation on Rio Grande Project of Bureau of Reclamation. A 50,000-acre-ft permanent pool is authorized for recreational purposes.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 2,303,000 acre-ft, June 16-18, 1942, gage height, 4,409.19 ft; minimum daily contents after initial filling, 9,900 acre-ft, Aug. 6, 1954, gage height, 4,258.03 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 560,920 acre-ft, June 25, gage height, 4,344.20 ft; minimum contents, 96,500 acre-ft, Oct. 1, gage height, 4,294.42 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96,500	109,390	141,190	194,430	243,310	300,490	307,860	323,490	459,090	558,170	463,310	401,400
2	96,650	109,500	142,850	196,060	244,880	302,870	306,860	329,060	465,050	557,620	459,340	398,880
3	96,750	110,160	144,390	197,560	246,630	305,460	305,060	333,630	471,050	556,520	455,140	396,830
4	97,010	110,710	146,190	199,670	248,400	307,660	303,470	338,650	476,850	555,420	450,960	394,550
5	97,360	111,490	147,620	201,040	249,990	310,270	301,280	343,710	482,940	553,780	446,810	392,960
6	97,560	112,150	149,320	202,870	251,770	313,300	299,500	348,600	488,810	551,860	443,160	390,930
7	97,860	112,820	150,630	204,720	253,200	315,120	297,720	353,300	494,730	549,950	439,290	389,120
8	98,370	113,490	152,080	206,570	254,990	317,360	296,150	357,820	500,950	546,960	435,200	387,770
9	98,930	114,170	153,660	208,600	256,430	319,190	293,990	361,930	505,900	544,780	431,120	385,750
10	99,390	114,850	155,130	210,170	257,880	320,820	292,030	365,850	512,710	542,070	427,070	383,520
11	99,850	115,530	156,860	211,740	260,060	321,030	290,280	369,570	517,460	539,640	423,280	381,280
12	100,360	116,210	158,610	212,850	261,890	321,030	289,310	372,870	522,490	536,400	421,630	379,060
13	100,780	117,130	160,500	214,280	263,540	321,030	288,530	376,400	527,550	533,450	419,980	376,840
14	101,290	118,510	162,130	215,880	265,380	320,820	287,560	379,730	531,300	530,500	418,100	374,410
15	101,810	119,550	164,040	217,490	267,600	320,620	286,780	383,520	535,060	527,290	415,990	371,990
16	102,390	120,600	165,680	219,100	269,650	320,210	284,850	387,320	538,290	524,090	414,360	370,010
17	102,910	121,770	167,470	220,730	271,710	320,410	285,040	391,830	542,070	521,170	412,720	368,040
18	103,330	122,950	169,550	222,360	273,590	321,230	285,240	396,830	545,870	517,200	411,330	366,290
19	103,750	124,020	171,610	223,830	275,480	322,050	285,820	402,540	549,410	512,980	409,930	364,760
20	104,120	125,220	173,610	225,480	277,950	322,670	286,010	406,920	552,410	509,040	408,540	362,800
21	104,440	126,420	176,580	226,970	280,050	322,050	286,400	411,090	555,420	506,680	406,920	360,850
22	104,860	128,000	177,570	228,470	282,160	321,230	287,750	414,590	557,890	503,290	407,850	358,900
23	105,400	129,210	179,710	229,810	284,660	320,210	289,690	418,340	559,540	498,610	407,150	356,740
24	105,820	130,560	181,570	230,980	287,560	319,190	292,030	422,340	560,370	494,470	406,920	355,020
25	106,250	132,040	183,730	232,330	289,690	317,760	294,770	426,360	560,920	490,610	406,960	353,090
26	106,680	133,890	185,760	233,680	292,230	316,540	299,110	429,930	560,640	487,020	406,000	350,950
27	107,220	135,640	187,510	235,210	294,970	315,320	304,270	434,240	560,640	482,170	406,000	348,810
28	107,540	136,890	188,970	236,750	297,720	314,310	309,270	438,560	560,370	478,110	404,610	347,750
29	108,090	138,270	189,990	238,120	---	313,300	313,910	442,920	559,540	474,070	404,150	344,770
30	108,410	139,660	191,910	239,840	---	311,890	318,370	447,780	558,720	470,550	403,460	342,440
31	108,960	---	193,240	241,740	---	310,270	---	452,920	---	466,800	403,000	---
MAX	108,960	139,660	193,240	241,740	297,720	322,670	318,370	452,920	560,920	558,170	463,310	401,400
MIN	96,500	109,390	141,190	194,430	243,310	300,490	284,850	323,490	459,090	466,800	403,000	342,440
(+)	4,296.80	4,301.98	4,309.98	4,315.82	4,321.84	4,323.10	4,323.90	4,335.92	4,344.04	4,337.09	4,331.72	4,326.22
(++)	+12,560	+30,700	+53,580	+48,500	+55,980	+12,550	+8,100	+134,550	+105,800	-91,920	-63,800	-60,560
CAL YR	2004	MAX 322,870	MIN 94,610	(++) -17,240								
WTR YR	2005	MAX 560,920	MIN 96,500	(++) +246,040								

(+)Elevation in feet, at end of month.

(++)Change in contents, in acre-feet.

08361000 RIO GRANDE BELOW ELEPHANT BUTTE DAM, NM

LOCATION.--Lat 33°08'45", long 107°12'20", Sierra County, Hydrologic Unit 13030101, in Pedro Armendaris Grant, on left bank 1.0 mi downstream from dam, 1.5 mi upstream from Cuchillo Negro River, and at mile 1,382.2.

DRAINAGE AREA.--29,450 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--January 1915 to current year. Monthly or annual discharge only for some periods, published in WSP 1732. Figures of daily discharge, published in WSP 458 for October to December 1916, are unreliable.

REVISED RECORDS.--WSP 1562: 1920. WSP 1632: drainage area. WSP 1732: 1917, 1920. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,241.09 ft above NGVD of 1929. Prior to Mar. 24, 1980, at datum 1.0 ft higher. See WSP 1732 for history of changes prior to Apr. 24, 1942.

REMARKS.--Records fair, except for those estimated which are poor. Flow regulated by Elephant Butte Reservoir (station 08360500). Diversion for irrigation of about 800,000 acres upstream from station. No flow at times prior to 1929, Mar. 2-4, 1979.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	11	8.9	5.9	11	14	1,620	1,480	1,660	2,230	2,310	1,010
2	17	11	8.9	5.8	12	14	1,620	1,490	1,640	2,220	2,320	1,420
3	16	11	9.3	e6.5	12	14	1,630	1,570	1,630	2,220	2,340	1,400
4	17	11	9.2	5.6	12	14	1,610	1,600	1,620	2,210	2,340	1,390
5	17	11	9.3	4.7	12	14	1,550	1,590	1,610	2,200	2,340	1,450
6	16	11	9.9	5.5	12	15	1,520	1,470	1,600	2,200	2,350	1,850
7	15	11	9.6	4.9	12	14	1,530	1,580	1,600	2,180	2,360	1,460
8	15	11	9.7	5.1	11	14	1,520	1,580	1,590	2,210	2,410	1,120
9	15	11	10	5.0	8.8	14	1,510	1,570	1,580	2,220	2,430	1,390
10	14	11	9.8	5.2	10	262	1,510	1,590	1,890	2,210	2,420	1,670
11	15	11	9.8	5.3	13	664	1,520	1,660	2,100	2,210	2,460	1,630
12	15	11	10	5.3	13	784	1,520	1,690	2,090	2,210	1,870	1,700
13	14	10	10	5.1	13	784	1,520	1,690	2,050	2,220	1,390	1,690
14	14	10	9.1	5.0	13	789	1,680	1,680	2,290	2,220	1,400	1,720
15	14	9.7	8.1	5.3	13	784	1,770	1,670	2,280	2,220	1,420	1,720
16	14	9.8	7.7	5.6	13	782	1,770	1,650	2,270	2,230	1,430	1,510
17	14	10	7.5	5.6	13	796	1,780	1,640	1,900	2,230	1,430	1,370
18	14	10	7.5	5.6	13	750	1,630	1,630	1,910	2,230	1,440	1,360
19	14	10	7.5	7.9	13	751	1,620	1,440	1,920	2,240	1,440	e1,320
20	13	10	7.6	11	13	751	1,890	2,090	1,950	2,120	1,440	e1,300
21	12	10	7.4	11	13	1,230	1,930	2,080	2,020	1,970	1,440	e1,290
22	12	10	6.9	11	16	1,490	1,700	2,080	2,070	2,320	614	e1,270
23	12	9.6	6.9	11	14	1,500	1,580	2,080	2,640	2,320	687	e1,250
24	12	10	8.2	11	14	1,510	1,580	2,120	2,820	2,330	730	1,240
25	12	9.8	7.1	11	14	1,560	1,530	2,190	2,810	2,340	730	1,230
26	12	9.5	6.6	12	14	1,570	1,010	2,260	2,800	2,320	730	1,310
27	12	9.5	6.1	12	14	1,580	966	2,340	2,800	2,360	716	1,360
28	12	9.7	6.1	12	14	1,590	1,250	2,340	2,780	2,360	698	1,350
29	12	9.2	6.4	12	---	1,590	1,400	2,330	2,780	2,290	691	1,330
30	11	9.1	6.4	12	---	1,600	1,460	2,300	2,600	2,290	688	1,330
31	11	---	6.3	11	---	1,610	---	1,960	---	2,290	750	---
TOTAL	430	307.9	253.8	241.9	355.8	24,854	46,726	56,440	63,300	69,420	47,814	42,440
MEAN	13.9	10.3	8.19	7.80	12.7	802	1,558	1,821	2,110	2,239	1,542	1,415
MAX	17	11	10	12	16	1,610	1,930	2,340	2,820	2,360	2,460	1,850
MIN	11	9.1	6.1	4.7	8.8	14	966	1,440	1,580	1,970	614	1,010
AC-FT	853	611	503	480	706	49,300	92,680	111,900	125,600	137,700	94,840	84,180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2005, BY WATER YEAR (WY)

MEAN	330	244	291	318	734	1,188	1,510	1,582	1,825	1,738	1,404	799
MAX (WY)	2,040 (1987)	2,662 (1942)	2,110 (1987)	1,944 (1987)	3,026 (1986)	2,297 (1989)	2,717 (1942)	7,601 (1942)	6,098 (1942)	4,032 (1995)	2,623 (1924)	2,169 (1939)
MIN (WY)	2.41 (1986)	1.25 (1972)	1.38 (1994)	0.00 (1918)	3.38 (1955)	16.6 (1983)	188 (1977)	8.32 (1957)	284 (1964)	673 (1964)	155 (1954)	2.73 (1954)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1917 - 2005
ANNUAL TOTAL	213,317.7	352,583.4	
ANNUAL MEAN	583	966	998
HIGHEST ANNUAL MEAN			2,665
LOWEST ANNUAL MEAN			253
HIGHEST DAILY MEAN	3,180	2,820	8,220
LOWEST DAILY MEAN	6.1	4.7	0.00
ANNUAL SEVEN-DAY MINIMUM	6.4	5.1	0.00
ANNUAL RUNOFF (AC-FT)	423,100	699,300	722,900
10 PERCENT EXCEEDS	1,550	2,260	2,090
50 PERCENT EXCEEDS	427	1,010	1,000
90 PERCENT EXCEEDS	8.1	8.6	6.0

e Estimated

08362000 CABALLO RESERVOIR NEAR ARREY, NM

LOCATION.--Lat 32°53'47", long 107°17'30", in SE 1/4 SW 1/4 sec.19, T.16 S., R.4 W., Sierra County, Hydrologic Unit 13030101, in control tower of Caballo Dam on Rio Grande, 0.5 mi downstream from mouth of Apache Canyon, 0.9 mi upstream from Bojarquez Bridge, 2 mi upstream from Percha diversion dam, 3.5 mi northeast of Arrey, 5.2 mi south of Caballo, and at mile 1,356.6.

DRAINAGE AREA.--30,700 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--February 1965 to September 1965 (monthend contents only), October 1965 to current year.

REVISED RECORDS.--WSP 978: 1942. WSP 1632: drainage area.

GAGE.--Water-stage recorder. Datum of gage is 43.3 ft above NGVD of 1929.

REMARKS.--Reservoir is formed by earthfill dam, completed Sept. 19, 1938. Storage began Feb. 8, 1938. Capacity by 1999 survey, 326,700 acre-ft between gage heights 4,104 ft, bottom of tunnel entrance of gates, and 4,182 ft, gage height above which spillway gates operate automatically. Capacity by original survey was 345,900 acre-ft. No dead storage. Storage held for flood control, 100,000 acre-ft. Water released from Elephant Butte Reservoir for power development is stored in Caballo Reservoir and released for irrigation on Rio Grande Project of Bureau of Reclamation.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 347,000 acre-ft, Mar. 4, 1942, gage height, 4,182.06 ft; minimum contents, 118 acre-ft, Oct. 14, 1938, gage height, 4,108.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 51,390 acre-ft, June 2, gage height, 4,146.40 ft; minimum contents, 11,150 acre-ft, Sept. 30, gage height, 4,131.50 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16,550	19,270	21,660	23,440	26,510	33,450	30,900	33,100	51,150	47,290	35,290	17,760
2	16,670	19,270	21,700	23,530	26,560	33,510	30,730	33,450	51,390	46,680	35,850	16,750
3	16,750	19,270	21,750	23,630	26,610	33,630	30,510	33,880	51,390	46,000	36,040	15,770
4	16,750	19,310	21,800	23,970	26,660	33,760	30,230	34,240	51,070	45,480	36,170	14,730
5	16,950	19,350	21,890	24,550	26,710	33,880	30,560	34,550	50,900	44,810	36,300	13,980
6	16,990	19,390	21,980	24,750	26,760	34,000	30,450	34,120	50,500	44,150	36,810	15,570
7	17,070	19,440	22,070	24,950	26,870	34,240	30,060	34,240	49,700	43,350	37,390	14,510
8	17,170	19,520	22,160	24,990	26,970	34,610	29,620	34,850	48,840	42,850	37,910	13,470
9	17,270	19,610	22,210	25,090	27,070	34,360	29,300	35,160	47,520	42,350	38,570	12,750
10	17,390	19,650	22,300	25,140	27,070	33,390	29,190	35,230	46,680	41,860	39,110	13,250
11	17,510	19,700	22,350	25,140	27,230	33,040	28,970	35,350	46,600	41,580	39,710	13,840
12	17,560	19,780	22,440	25,390	28,230	33,100	28,870	35,480	46,600	41,370	40,600	14,280
13	17,960	19,960	22,490	25,390	29,510	33,390	28,650	36,110	46,530	41,090	40,600	14,810
14	17,880	20,270	22,540	25,390	30,170	33,760	28,490	36,360	46,450	40,670	39,990	15,420
15	17,880	20,310	22,580	25,440	30,560	34,000	28,650	36,550	46,680	40,120	39,990	15,610
16	17,920	20,400	22,770	25,440	30,900	33,340	29,350	36,740	46,230	39,440	39,990	15,650
17	18,010	20,490	22,770	25,540	31,240	33,220	29,680	36,940	45,700	38,910	39,580	15,530
18	18,210	20,580	22,770	25,590	31,380	33,040	30,120	37,130	45,400	38,180	38,570	15,340
19	18,250	20,660	22,770	25,640	31,520	32,570	30,230	37,320	45,330	37,320	37,780	15,040
20	18,300	20,710	22,870	25,690	31,670	31,810	30,670	38,710	44,740	36,550	37,780	14,620
21	18,340	20,800	22,910	25,800	31,810	31,350	31,350	39,710	44,370	35,850	37,580	13,400
22	18,420	20,980	23,060	25,850	32,040	31,640	32,270	40,670	43,500	34,980	37,450	13,110
23	18,420	21,200	23,100	25,900	32,160	31,410	33,040	41,300	43,420	34,980	36,300	12,820
24	18,500	21,250	23,100	25,950	32,740	31,470	33,820	41,790	44,440	34,920	35,040	12,680
25	18,590	21,340	23,100	26,000	32,740	31,580	34,480	41,930	45,330	34,670	33,450	12,460
26	18,710	21,380	23,150	26,050	32,980	31,920	35,100	42,140	46,070	34,180	31,750	12,290
27	18,840	21,430	23,200	26,150	33,220	31,920	34,060	43,640	46,830	34,060	29,790	12,040
28	18,840	21,480	23,250	26,250	33,280	32,040	32,920	45,550	47,290	34,150	27,800	11,630
29	18,970	21,610	23,250	26,350	---	32,100	31,580	47,140	47,750	34,060	25,290	11,220
30	19,010	21,610	23,290	26,400	---	31,920	32,800	48,840	48,060	34,420	22,680	11,150
31	19,050	---	23,390	26,510	---	31,410	---	50,340	---	34,790	20,090	---
MAX	19,050	21,610	23,390	26,510	33,280	34,610	35,100	50,340	51,390	47,290	40,600	17,760
MIN	16,550	19,270	21,660	23,440	26,510	31,350	28,490	33,100	43,420	-34,060	20,090	11,150
(+)	4,135.66	4,136.82	4,137.58	4,138.84	4,141.30	4,140.66	4,141.14	4,146.20	4,145.62	4,140.80	4,136.14	4,131.50
(++)	+2,580	+2,560	+1,780	+3,120	+6,770	-1,870	-1,390	+17,540	-2,280	13,270	-14,700	-8,940
CAL YR	2004	MAX 75,510	MIN 11,250	(++)+12,210								
WTR YR	2005	MAX 51,390	MIN 11,150	(++) - 5,320								

(+)Elevation, at end of month.

(++)Change in contents, in acre-feet.

08362500 RIO GRANDE BELOW CABALLO DAM, NM

LOCATION.--Lat 32°53'05", long 107°17'31", in NE ¼ SW ¼ sec.30, T.16 S., R.4 W., Sierra County, Hydrologic Unit 13030102, on left bank 2,000 ft upstream from Interstate Highway 25, 4,200 ft downstream from Caballo Dam, 1.2 mi downstream from Apache Canyon, 1.3 mi upstream from Percha diversion dam, 3 mi northeast of Arrey, 5 mi south of Caballo, and at mile 1,355.6.

DRAINAGE AREA.--30,700 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--January 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,140.9 ft above NGVD of 1929. Prior to Oct. 7, 1938, at datum 7.0 ft higher, Oct. 7-12, 1938, at datum 6.0 ft higher, and Oct. 13, 1938, to Dec. 31, 1945, at datum 5.0 ft higher than present datum.

REMARKS.--Flow regulated by Caballo Reservoir (station 08362000), capacity, 331,500 acre-ft, 1981 survey and Elephant Butte Reservoir (station 08360500), capacity, 2,065,000 acre-ft, 1988 survey. Diversions for irrigation of about 800,000 acres upstream from station. Figures of daily discharge do not include Bonita ditch, which diverts from Caballo Dam and bypasses station for irrigation downstream. See monthly table below for record of ditch. Bureau of Reclamation satellite telemetry at station.

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--65 years, 935 ft³/s, 677,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 7,650 ft³/s, May 20, 1942; minimum daily, 0.1 ft³/s, Oct. 31 to Nov. 14, 1954, Nov. 7 to Dec. 31, 1955, Feb. 15-29, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,440 ft³/s, June 30; minimum daily, 1.1 ft³/s, Feb. 5 to Mar. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.1	1.6	1.6	1.8	1.1	1,720	1,190	1,300	2,360	1,930	1,900
2	3.7	3.1	1.6	1.6	1.8	1.1	1,620	1,170	1,320	2,320	1,920	1,710
3	3.7	3.1	1.6	1.6	1.8	1.1	1,620	1,140	1,450	2,310	2,030	1,620
4	3.7	3.1	1.6	1.6	1.8	1.1	1,560	1,270	1,610	2,240	2,060	1,600
5	3.7	3.1	1.6	1.6	1.1	1.1	1,430	1,400	1,600	2,210	1,970	1,590
6	3.7	3.1	1.6	1.6	1.1	1.1	1,570	1,290	1,660	2,350	1,910	1,570
7	3.7	3.1	1.6	1.6	1.1	1.1	1,590	1,140	1,750	2,370	1,920	1,480
8	3.7	3.1	1.6	1.6	1.1	1.1	1,590	1,130	1,920	2,220	1,960	1,400
9	3.7	3.1	1.6	1.6	1.1	318	1,550	1,190	2,040	2,220	1,910	1,210
10	3.7	3.1	1.6	1.6	1.1	569	1,550	1,340	2,030	2,210	1,860	1,060
11	3.7	3.1	1.6	1.8	1.1	571	1,550	1,410	2,010	2,140	1,810	1,070
12	3.7	3.1	1.6	1.8	1.1	572	1,490	1,360	2,000	2,130	1,640	1,140
13	3.7	3.1	1.6	1.8	1.1	572	1,510	1,310	1,960	2,240	1,440	1,100
14	3.2	3.1	1.6	1.8	1.1	641	1,540	1,320	2,010	2,260	1,440	1,050
15	3.7	3.7	1.6	1.8	1.1	721	1,480	1,320	2,190	2,290	1,340	1,250
16	3.7	4.4	1.6	1.8	1.1	814	1,420	1,330	2,220	2,320	1,220	1,280
17	3.7	4.4	1.6	1.8	1.1	880	1,420	1,360	2,090	2,310	1,500	1,200
18	3.7	4.4	1.6	1.8	1.1	870	1,360	1,380	2,020	2,310	1,550	1,190
19	3.7	4.4	1.6	1.8	1.1	974	1,380	1,360	2,010	2,310	1,430	1,180
20	3.7	4.4	1.6	1.8	1.1	1,090	1,490	1,340	2,060	2,330	1,300	1,230
21	3.7	3.7	1.6	1.8	1.1	1,080	1,500	1,450	2,120	2,340	1,300	1,300
22	3.7	3.0	1.6	1.8	1.1	1,370	1,290	1,520	2,160	2,220	1,240	1,290
23	3.7	3.0	1.6	1.8	1.1	1,560	1,120	1,580	2,230	2,140	1,170	1,210
24	3.7	3.0	1.6	1.8	1.1	1,400	1,130	1,710	2,270	2,140	1,260	1,120
25	3.7	2.9	1.6	1.8	1.1	1,390	1,130	1,940	2,300	2,230	1,340	1,120
26	3.7	2.9	1.6	1.8	1.1	1,440	1,210	1,900	2,300	2,300	1,450	1,110
27	3.7	2.9	1.6	1.8	1.1	1,450	1,430	1,560	2,320	2,220	1,550	1,190
28	2.8	2.9	1.6	1.8	1.1	1,480	1,530	1,320	2,340	2,140	1,520	1,340
29	1.9	2.3	1.6	1.8	---	1,560	1,320	1,330	2,420	2,020	1,660	1,320
30	2.5	1.6	1.6	1.8	---	1,680	1,190	1,330	2,440	1,930	1,900	1,130
31	3.1	---	1.6	1.8	---	1,780	---	1,300	---	1,940	1,970	---
TOTAL	109.7	97.3	49.6	53.8	33.6	24,790.8	43,290	42,690	60,150	69,070	50,500	38,960
MEAN	3.54	3.24	1.60	1.74	1.20	800	1,443	1,377	2,005	2,228	1,629	1,299
MAX	3.7	4.4	1.6	1.8	1.8	1,780	1,720	1,940	2,440	2,370	2,060	1,900
MIN	1.9	1.6	1.6	1.6	1.1	1.1	1,120	1,130	1,300	1,930	1,170	1,050
AC-FT	218	193	98	107	67	49,170	85,870	84,680	119,300	137,000	100,200	77,280
(+)	122.6	0	0	0	40.3	69.0	133.3	159.1	189.7	168.6	130.7	77.4
CAL YR	2004	TOTAL 201,396.0	MEAN 550	MAX 2,060	MIN 1.0	AC-FT 399,500						
WTR YR	2005	TOTAL 329,794.8	MEAN 904	MAX 2,440	MIN 1.1	AC-FT 654,100						

(+)Diversion, in acre-feet, by Bonita Ditch; diverts directly from Caballo Dam, and this diversion is not included in the river records.

RIO GRANDE BASIN

08364000 RIO GRANDE AT EL PASO, TX

(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

LOCATION.--Lat 31°48'10", long 106°32'25", El Paso County, Hydrologic Unit 13030102, 0.1 mi upstream from Courchesne Bridge at El Paso, 1.8 mi upstream from American Dam, 5.7 mi upstream from Santa Fe Street-Juarez Avenue bridge between El Paso and Ciudad Juarez, Chihuahua, and at mile 1,249.

DRAINAGE AREA.--32,207 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--Water years 1930 to current year.

REMARKS.--Records of discharge are given in International Boundary and Water Commission Water Bulletins.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
20...	0850	28	--	--	665	6.7	78	8.2	2,910	16.0	15.5	--	--
28...	0840	18	--	--	665	5.9	70	8.1	3,620	19.0	16.5	--	--
NOV													
30...	0920	9.5	17	--	672	9.2	86	8.1	3,770	3.0	6.5	460	129
DEC													
14...	0900	12	--	--	678	13.0	119	8.4	4,070	5.5	6.0	--	--
JAN													
11...	0920	15	--	--	664	9.1	97	8.1	3,730	12.0	11.5	--	--
FEB													
02...	0900	14	--	--	674	9.1	86	8.5	3,610	5.5	7.0	--	--
MAR													
02...	0825	13	7.7	--	667	7.5	81	8.2	3,850	14.0	12.0	560	155
04...	1700	14	--	12	665	8.0	101	8.7	3,780	20.0	19.5	490	132
17...	0830	348	--	--	666	10.2	101	8.4	1,210	11.0	9.0	--	--
APR													
05...	0840	501	--	--	666	8.4	92	8.4	1,020	13.0	13.0	--	--
MAY													
10...	0910	583	150	--	664	7.2	90	8.4	1,020	25.5	19.0	240	69.5
JUN													
09...	0830	727	--	--	664	6.8	90	8.3	897	24.5	22.0	--	--
JUL													
26...	1000	954	36	--	668	7.4	107	8.4	774	34.0	27.0	190	57.2
AUG													
11...	0900	936	450	--	668	6.0	85	8.3	695	27.0	26.0	170	53.1
19...	0900	731	--	--	670	7.3	101	8.3	816	30.0	25.0	--	--
26...	0930	583	--	--	668	6.8	98	8.2	783	30.0	27.0	--	--
SEP													
07...	0900	1,070	--	--	673	5.8	79	8.4	662	22.5	24.5	--	--

08364000 RIO GRANDE AT EL PASO, TX—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
OCT 20...	--	--	--	--	240	E285	E4	--	429	--	--	541	--
28...	--	--	--	--	274	327	3	--	571	--	--	723	--
NOV 30...	33.8	9.29	13	646	296	353	--	.69	606	1.2	41.0	785	2,430
DEC 14...	--	--	--	--	293	348	4	--	630	--	--	836	--
JAN 11...	--	--	--	--	302	361	--	--	632	--	--	764	--
FEB 02...	--	--	--	--	290	341	6	--	600	--	--	711	--
MAR 02...	40.9	10.2	13	697	309	370	--	.69	659	1.0	31.9	758	2,540
04...	37.7	11.9	14	686	277	314	12	.62	640	1.0	30.6	724	2,430
17...	--	--	--	--	159	192	--	--	181	--	--	172	--
APR 05...	--	--	--	--	164	195	3	--	109	--	--	157	--
MAY 10...	15.4	7.41	3	122	175	209	--	.22	--	.7	17.1	--	--
JUN 09...	--	--	--	--	168	199	3	--	84.1	--	--	147	--
JUL 26...	11.7	6.19	3	81.8	151	178	3	.27	68.2	.6	22.0	123	463
AUG 11...	10.3	5.38	2	64.0	153	181	--	.30	56.8	.5	20.4	109	411
19...	--	--	--	--	159	188	--	--	71.9	--	--	128	--
26...	--	--	--	--	160	188	--	--	68.3	--	--	124	--
SEP 07...	--	--	--	--	132	156	2	--	57.9	--	--	93.7	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
OCT 20...	--	--	<.04	.27	.014	1.04	.052	--	.179	--	--	--	--
28...	--	--	.36	.56	.068	1.67	.134	--	.24	--	--	--	--
NOV 30...	--	--	.14	.61	.023	1.23	.580	--	.65	240	E320	<3	<.40
DEC 14...	--	--	.05	.43	.009	1.59	.413	--	1.04	--	--	--	--
JAN 11...	--	--	.14	.64	.038	1.46	.243	--	.37	--	--	--	--
FEB 02...	--	--	.09	.50	.053	1.12	.313	--	.42	--	--	--	--
MAR 02...	--	--	.12	.35	.073	.98	.836	--	.87	980	580	<3	E.20
04...	2,450	.63	<.04	.44	.009	--	.58	.62	.68	--	--	--	--
17...	--	--	.09	.27	.018	2.12	.054	--	.71	--	--	--	--
APR 05...	--	--	<.04	.39	<.008	1.37	.070	--	.47	--	--	--	--
MAY 10...	--	--	<.04	.50	.012	1.09	.089	--	.32	140	220	4	.30
JUN 09...	--	--	<.04	.27	E.004	1.13	.043	--	.34	--	--	--	--
JUL 26...	--	--	<.04	.22	<.008	.80	.055	--	.23	200	360	4	.30
AUG 11...	--	--	<.04	.26	E.004	1.31	.055	--	.58	350	830	4	.30
19...	--	--	<.04	.33	E.004	.69	.048	--	.075	--	--	--	--
26...	--	--	<.04	.51	E.004	1.75	.142	--	.79	--	--	--	--
SEP 07...	--	--	<.04	.45	<.008	1.32	.070	--	.47	--	--	--	--

08364000 RIO GRANDE AT EL PASO, TX—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)
OCT 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
OCT 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 30...	10	56	<.12	753	.08	<.8	.510	3.3	<18	<.16	267	<.01	24.6
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02...	10	49	<.12	788	E.06	<.8	.440	2.6	23	<.16	570	<.01	20.8
MAR 04...	--	--	--	761	--	--	--	--	--	--	--	--	--
MAR 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	4	93	<.06	196	.04	<.8	.398	1.4	<6	E.04	1.0	E.01	9.1
JUN 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 26...	5	76	<.06	125	E.03	<.8	.286	2.9	<6	E.05	.6	<.01	6.4
AUG 11...	4	58	<.06	193	E.04	<.8	.224	3.2	E6	.09	.5	.01	5.8
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 07...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspended sediment concentration mg/L (80154)
OCT 20...	--	--	--	--	--	--	28
OCT 28...	--	--	--	--	--	--	55
NOV 30...	2.17	<3	<3	<.4	6.1	7.14	--
DEC 14...	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	65
FEB 02...	--	--	--	--	--	--	108
MAR 02...	1.85	<3	<3	<.4	5.3	5.64	27
MAR 04...	--	--	--	--	--	--	--
MAR 17...	--	--	--	--	--	--	707
APR 05...	--	--	--	--	--	--	465
MAY 10...	2.18	<3	<3	<.2	1.9	3.93	--
JUN 09...	--	--	--	--	--	--	--
JUL 26...	3.11	<3	<3	<.2	1.8	2.78	--
AUG 11...	2.91	<3	<3	<.2	2.4	2.18	260
AUG 19...	--	--	--	--	--	--	--
AUG 26...	--	--	--	--	--	--	785
SEP 07...	--	--	--	--	--	--	472

Remark codes used in this table:

< -- Less than.

E -- Estimated.

08364000 RIO GRANDE AT EL PASO, TX—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	1-Naphthol, water, fltrd 0.7u GF (49295)	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	2Chloro -2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4Chloro 2methyl phenol, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	Atra-zine, water, fltrd, ug/L (39632)
OCT													
20...	0850	<.09	<.006	<.005	<.006	<.004	.020	--	<.006	<.006	<.005	--	<.007
28...	0840	<.09	<.006	<.005	<.006	<.004	.056	--	<.006	<.006	<.005	--	<.007
NOV													
30...	0920	<.09	<.006	<.005	<.006	<.004	.024	--	<.006	<.006	<.005	--	<.007
DEC													
14...	0900	<.09	<.006	<.005	<.006	<.004	.016	--	<.006	<.006	<.005	--	<.007
JAN													
11...	0920	<.09	<.006	<.005	<.006	<.004	.015	--	<.006	<.006	<.005	--	<.007
FEB													
02...	0900	<.09	<.006	<.005	<.006	<.004	.019	--	<.006	<.006	<.005	--	<.007
MAR													
02...	0825	<.09	<.006	<.005	<.006	<.004	.023	--	<.006	<.006	<.005	--	<.007
17...	0830	<.09	<.006	<.005	<.006	<.004	.024	--	<.006	<.006	<.005	--	<.007
APR													
05...	0840	<.09	<.006	<.005	<.006	<.004	E.007	--	<.006	<.006	<.005	--	<.007
MAY													
10...	0910	<.09	<.006	<.005	<.006	<.004	--	--	<.006	<.006	<.005	--	<.007
JUN													
09...	0830	<.09	<.006	<.005	<.006	<.004	E.006	<.004	<.006	<.006	<.005	<.005	<.007
JUL													
26...	1000	<.09	<.006	<.005	<.006	<.004	E.003	<.004	<.006	<.006	<.005	<.005	E.006
AUG													
11...	0900	<.09	<.006	<.005	<.006	<.004	E.005	<.004	<.006	<.006	<.005	<.005	.011
19...	0900	<.09	<.006	<.005	<.006	<.004	<.004	<.004	<.006	<.006	<.005	<.005	<.007
26...	0930	<.09	<.006	<.005	<.006	<.004	E.007	<.004	<.006	<.006	<.005	<.005	<.007
SEP													
07...	0900	<.09	<.006	<.005	<.006	<.004	E.004	<.004	<.006	<.006	<.005	<.005	E.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyri-fos oxon, water, fltrd, ug/L (61636)	Chlor-pyri-fos water, fltrd, ug/L (38933)	cis-Per-methrin water, fltrd 0.7u GF (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyflu-thrin, water, fltrd, ug/L (61585)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)
OCT														
20...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009	
28...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009	
NOV														
30...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009	
DEC														
14...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009	
JAN														
11...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009	
FEB														
02...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009	
MAR														
02...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009	
17...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.027	--	<.009	
APR														
05...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.027	--	<.009	
MAY														
10...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.027	--	<.009	
JUN														
09...	<.07	<.050	<.010	<.041	<.020	<.06	E.007	<.006	<.008	<.018	<.027	<.009	<.009	
JUL														
26...	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009	
AUG														
11...	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009	
19...	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009	
26...	<.07	<.050	<.010	<.041	<.020	<.06	.016	<.006	<.008	<.018	<.027	<.009	<.009	
SEP														
07...	<.07	<.050	<.010	<.041	<.020	<.06	E.007	<.006	<.008	<.018	<.027	<.009	<.009	

08364000 RIO GRANDE AT EL PASO, TX—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipronil, water, fltrd, ug/L (62170)	Diaz- inon oxon, water, fltrd, ug/L (61638)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	Endo- sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)
OCT 20...	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
28...	<.003	<.012	<.01	<.007	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
NOV 30...	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
DEC 14...	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
JAN 11...	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
FEB 02...	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
MAR 02...	.003	<.012	<.01	.007	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
17...	.003	E.006	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
APR 05...	E.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
MAY 10...	E.002	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
JUN 09...	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004
JUL 26...	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004
AUG 11...	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004
19...	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004
26...	<.005	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004
SEP 07...	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Desulf- inyl- fipronil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)
OCT 20...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.003	<.013	<.387	<.003
28...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.003	<.013	<.387	<.003
NOV 30...	--	<.049	--	<.03	<.029	<.013	<.024	<.016	<.003	<.003	<.013	<.387	<.003
DEC 14...	--	<.049	--	<.03	<.029	<.013	<.024	<.016	<.003	<.003	<.013	<.387	<.003
JAN 11...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	E.011	<.387	<.003
FEB 02...	--	<.049	--	<.03	<.029	<.013	<.024	<.016	<.003	<.003	<.013	<.387	<.003
MAR 02...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	E.008	<.387	<.003
17...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
APR 05...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
MAY 10...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
JUN 09...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
JUL 26...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
AUG 11...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
19...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
26...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.015	<.538	<.003
SEP 07...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	E.005	--	<.003	<.013	<.538	<.003

08364000 RIO GRANDE AT EL PASO, TX—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methiathion, water, fltrd, ug/L (61598)	Methyl paraxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd, 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd, 0.7u GF ug/L (82671)	Myclobutanil, water, fltrd, ug/L (61599)	Oxyfluorfen, water, fltrd, ug/L (61600)	Pendimethalin, water, fltrd, 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)
OCT 20...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
OCT 28...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
NOV 30...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
DEC 14...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
JAN 11...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
FEB 02...	<.030	<.027	<.200	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
MAR 02...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	E.006	<.10
MAR 17...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
APR 05...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
MAY 10...	<.030	<.027	<.005	<.006	<.03	<.015	.017	<.006	--	<.008	--	<.022	<.10
JUN 09...	<.030	<.027	<.005	<.006	<.03	<.015	E.005	<.006	<.003	<.008	<.007	<.022	<.10
JUL 26...	<.030	<.027	<.005	<.006	<.03	<.015	E.007	<.006	<.003	<.008	<.007	<.022	<.10
AUG 11...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	<.003	<.008	<.007	<.022	<.10
AUG 19...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	<.003	<.008	<.007	<.022	<.10
AUG 26...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	<.003	<.008	<.007	<.022	<.10
SEP 07...	<.030	<.027	<.005	<.006	<.03	<.015	<.025	<.006	<.003	<.008	<.007	<.022	<.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Phorate water fltrd, 0.7u GF (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd, 0.7u GF (82676)	Propanil, water, fltrd, 0.7u GF (82679)	Propargite, water, fltrd, 0.7u GF (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water, fltrd, 0.7u GF (82670)	Teflu-thrin, water, fltrd, ug/L (61606)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd, 0.7u GF (82675)
OCT 20...	<.011	<.05	<.008	<.01	.006	<.004	--	--	<.005	E.01	--	<.07	<.02
OCT 28...	<.011	<.05	<.008	<.03	<.008	<.004	--	--	<.005	<.02	--	<.07	<.02
NOV 30...	<.011	--	<.008	E.01	.011	<.004	--	--	<.005	<.02	--	<.07	<.02
DEC 14...	<.011	<.05	<.008	<.01	<.015	<.004	--	--	<.005	<.02	--	<.07	<.02
JAN 11...	<.011	<.05	<.008	<.01	.012	<.004	--	--	<.005	<.02	--	<.07	<.02
FEB 02...	<.011	<.05	<.008	<.02	.013	<.004	--	--	<.005	<.02	--	<.07	<.02
MAR 02...	<.011	<.05	<.008	E.01	.010	<.004	--	--	<.005	<.02	--	<.07	<.02
MAR 17...	<.011	<.05	<.008	<.01	<.007	<.004	--	--	<.008	<.02	--	<.07	<.02
APR 05...	<.011	<.05	<.008	<.01	.007	<.004	--	--	<.005	<.02	--	<.07	<.02
MAY 10...	<.011	<.05	<.008	<.01	.007	<.004	--	--	<.005	<.02	--	<.07	<.02
JUN 09...	<.011	--	<.008	E.01	<.005	<.004	<.011	<.02	<.005	<.02	<.008	<.07	<.02
JUL 26...	<.011	<.05	<.008	<.01	E.012	<.004	<.011	<.02	<.005	<.02	<.008	<.07	<.02
AUG 11...	<.011	<.05	<.008	<.01	.014	<.004	<.011	<.02	<.005	<.02	<.008	<.07	<.02
AUG 19...	<.011	<.05	<.008	<.01	E.007	<.004	<.011	<.02	<.005	<.02	<.008	<.07	<.02
AUG 26...	<.011	<.05	<.008	<.02	.010	<.004	<.011	<.02	<.005	<.02	<.008	<.07	<.02
SEP 07...	<.011	--	--	E.01	E.005	<.004	<.011	<.02	<.005	.02	<.008	<.07	<.02

08364000 RIO GRANDE AT EL PASO, TX—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, bed sed <62.5um wet svd fld,tot ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd fld,tot ug/g (34816)	Cadmium bed sed <62.5um wet svd fld,tot ug/g (34825)	Cerium, bed sed <62.5um wet svd fld,tot ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd fld,tot ug/g (34845)	Copper, bed sed <62.5um wet svd fld,tot ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium, bed sed <62.5um wet svd fld,tot ug/g (34860)	Gold, bed sed <62.5um wet svd fld,tot ug/g (34870)	Holmium, bed sed <62.5um wet svd fld,tot ug/g (34875)	Iron, bed sed <62.5um wet svd fld,tot percent (34880)
OCT 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 30...	700	1.5	<1	.2	44	26	6	14	1	8	<1	<1	1.8
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 26...	730	1.6	<1	.2	49	31	7	19	1	12	<1	1	1.9
AUG 11...	670	2.0	<1	.6	59	41	9	35	1	13	<1	1	2.4
19...	770	1.3	<1	.1	56	36	7	14	1	11	<1	<1	2.1
26...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Lanthanum, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd fld,tot ug/g (34890)	Lithium, bed sed <62.5um wet svd fld,tot ug/g (34895)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury, bed sed <62.5um wet svd fld,tot ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodymium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd fld,tot ug/g (34925)	Niobium, bed sed <62.5um wet svd fld,tot ug/g (34930)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd fld,tot ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)
OCT 20...	--	--	--	--	<.02	--	--	--	--	--	<.1	--	--
NOV 30...	25	19	17	550	<.02	.6	22	10	6	4	.1	.1	330
FEB 02...	--	--	--	--	<.02	--	--	--	--	--	<.1	--	--
MAR 02...	--	--	--	--	<.02	--	--	--	--	--	<.1	--	--
JUL 26...	28	17	24	400	.03	.6	24	13	6	6	.1	.1	390
AUG 11...	34	28	38	550	.04	1.1	29	20	15	8	.2	.3	470
19...	34	17	22	370	<.02	.7	28	12	9	6	<.1	.2	380
26...	--	--	--	--	.03	--	--	--	--	--	.1	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tantalum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium, bed sed <62.5um wet svd fld,tot ug/g (34980)	Tin, bed sed <62.5um wet svd fld,tot ug/g (34985)	Titanium, bed sed <62.5um wsv nat rec, percent (49274)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterbium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium, bed sed <62.5um wet svd fld,tot ug/g (35010)	Zinc, bed sed <62.5um wet svd fld,tot ug/g (35020)	Uranium, bed sed <62.5um wet svd fld,tot ug/g (35000)
OCT 20...	--	--	--	--	--	--	--	--	--	--
NOV 30...	<1	<1	7	2	.250	46	1	13	50	1.7
FEB 02...	--	--	--	--	--	--	--	--	--	--
MAR 02...	--	--	--	--	--	--	--	--	--	--
JUL 26...	<1	<1	7	1	.350	50	2	15	51	1.9
AUG 11...	1	<1	9	3	.400	60	3	20	84	2.5
19...	<1	<1	9	2	.420	59	2	17	50	2.2
26...	--	--	--	--	--	--	--	--	--	--

Remark codes used in this table:
 < -- Less than.

08377900 RIO MORA NEAR TERRERO, NM

LOCATION.--Lat 35°46'36", long 105°39'28", in SW ¼ NE ¼ sec.22, T.18 N., R.12 E., San Miguel County, Hydrologic Unit 13060001, in Santa Fe National Forest, on left bank 450 ft upstream from bridge on State Highway 63, 600 ft upstream from mouth, and 2.6 mi north of Terrero.

DRAINAGE AREA.--53.2 mi².

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,890 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for those estimated, which are poor. About 90 percent of the drainage is in the Pecos Wilderness Area and not subject to development, watershed management, or the building of highways; there is limited cattle grazing by permit.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest flood since 1886 probably occurred Sept. 29, 1904 (based on statement for Pecos River near Pecos and history of that flood period).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	22	e9.2	e8.6	e8.2	e9.8	25	90	162	27	12	22
2	21	21	e10	e8.0	e8.0	e9.0	25	87	146	26	11	34
3	20	25	e9.6	e7.9	e7.4	e8.9	33	85	134	25	11	24
4	20	23	e9.3	e8.2	e7.6	e8.7	44	88	124	23	27	25
5	27	23	e9.7	e8.4	e8.2	8.1	48	98	112	22	61	23
6	30	21	e9.9	e8.2	e8.4	8.1	42	122	104	21	49	24
7	31	19	e10	e7.9	e8.2	8.5	50	175	98	21	52	25
8	29	18	e10	e7.8	e8.0	10	65	176	92	20	40	32
9	28	18	e9.9	e7.7	e7.6	12	64	196	87	19	36	28
10	27	17	e9.6	e7.5	e7.8	16	60	244	83	18	34	26
11	29	18	e9.3	e7.8	e8.0	22	52	240	79	17	32	25
12	31	16	e9.8	e7.1	e10	28	52	222	81	17	34	24
13	33	16	e9.9	e7.6	e10	33	64	215	71	18	38	23
14	32	16	e9.8	e7.8	e10	21	83	214	66	17	60	22
15	34	17	e10	e8.0	e10	16	103	209	61	16	53	21
16	33	16	e9.4	e8.2	e9.9	27	131	235	58	17	52	20
17	33	16	e9.5	e8.4	e9.6	41	168	334	54	20	46	19
18	33	15	e9.6	e8.4	e9.2	36	181	353	51	19	41	18
19	32	15	e9.9	e8.2	e9.4	23	190	375	47	18	39	17
20	30	13	e9.8	e7.7	e9.6	17	190	422	43	17	37	16
21	29	16	e9.6	e8.0	e9.2	16	184	454	41	16	35	16
22	29	15	e9.8	e8.2	e8.6	19	173	473	41	16	33	15
23	27	11	e10	e7.6	e8.4	21	184	459	38	18	31	15
24	27	13	e9.6	e7.8	e8.4	19	202	439	36	18	30	15
25	26	16	e9.2	e8.2	e8.6	17	158	397	37	18	28	14
26	26	16	e9.3	e7.8	e8.2	17	131	360	39	16	26	13
27	26	13	e8.7	e8.6	e9.4	18	124	323	36	17	24	13
28	26	15	e8.2	e8.2	e10	20	113	284	33	16	23	14
29	24	e12	e8.3	e7.4	---	24	103	247	32	15	24	65
30	22	e11	e9.8	e8.3	---	22	94	217	28	13	22	67
31	23	---	e9.6	e8.0	---	25	---	188	---	12	20	---
TOTAL	860	503	296.3	247.5	245.9	581.1	3,136	8,021	2,114	573	1,061	715
MEAN	27.7	16.8	9.56	7.98	8.78	18.7	105	259	70.5	18.5	34.2	23.8
MAX	34	25	10	8.6	10	41	202	473	162	27	61	67
MIN	20	11	8.2	7.1	7.4	8.1	25	85	28	12	11	13
AC-FT	1,710	998	588	491	488	1,150	6,220	15,910	4,190	1,140	2,100	1,420

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	14.2	10.7	6.99	5.97	6.39	12.4	38.5	130	82.4	28.4	42.2	25.9
MAX	27.7	36.8	13.3	9.82	13.2	41.3	105	319	263	73.1	159	84.5
(WY)	(2005)	(1999)	(1985)	(1986)	(1995)	(1989)	(2005)	(1973)	(1997)	(1988)	(1991)	(1988)
MIN	5.73	3.72	2.55	1.72	1.77	3.40	11.2	10.0	4.73	8.43	8.62	6.93
(WY)	(1965)	(1990)	(2002)	(1964)	(2002)	(1964)	(1971)	(2002)	(2002)	(1989)	(2002)	(1978)

08377900 RIO MORA NEAR TERRERO, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	12,120.0		18,353.8			
ANNUAL MEAN	33.1		50.3		33.8	
HIGHEST ANNUAL MEAN					65.3 1973	
LOWEST ANNUAL MEAN					7.37 2002	
HIGHEST DAILY MEAN	242	May 12	473	May 22	755	Jun 8, 1997
LOWEST DAILY MEAN	3.0	Jan 26	7.1	Jan 12	0.90	Jan 12, 1964
ANNUAL SEVEN-DAY MINIMUM	3.7	Feb 9	7.6	Jan 8	0.97	Jan 10, 1964
MAXIMUM PEAK FLOW			497	May 21	937	May 22, 1991
MAXIMUM PEAK STAGE			3.45	May 21	4.15	Jun 8, 1979
INSTANTANEOUS LOW FLOW			4.2	Mar 3	0.90	Jan 12, 1964
ANNUAL RUNOFF (AC-FT)	24,040		36,400		24,500	
10 PERCENT EXCEEDS	82		139		83	
50 PERCENT EXCEEDS	18		21		13	
90 PERCENT EXCEEDS	4.1		8.2		5.0	

e Estimated

08378500 PECOS RIVER NEAR PECOS, NM

LOCATION.--Lat 35°42'30", long 105°40'56", in NE ¼ NE ¼ sec.17, T.17 N., R.12 E., San Miguel County, Hydrologic Unit 13060001, in Santa Fe National Forest, on left bank 30 ft downstream from bridge on private road, 270 ft upstream from Indian Creek, 2.4 mi downstream from Holy Ghost Creek, 9.0 mi north of Pecos, and at mile 896.6.

DRAINAGE AREA.--189 mi².

PERIOD OF RECORD.--August 1919 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "near Cowles" 1919-25, "at Irvins Ranch" 1926-29, and as "at Irvins Ranch near Pecos" 1930-39.

REVISED RECORDS.--WSP 898: drainage area. WSP 1312: 1932(M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,502.94 ft above NGVD of 1929. Prior to Oct. 27, 1977, at site 30 ft upstream at same datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of about 75 acres, 1959 determinations, upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 29, 1904, was greatest since 1886, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	45	e31	e33	e35	e42	68	220	637	87	53	57
2	32	37	e32	e32	e34	e40	69	215	571	82	52	90
3	36	45	e32	e32	e29	e39	87	204	511	79	51	66
4	36	46	e33	e33	e31	e40	114	219	451	76	67	62
5	57	42	e34	e34	e34	41	128	279	391	74	127	57
6	67	42	e34	e35	e35	41	119	390	352	71	108	62
7	64	40	e35	e33	e34	41	144	583	321	69	125	89
8	55	40	e35	e36	e33	44	182	575	291	66	92	131
9	50	40	e36	e33	e30	47	171	628	267	65	81	108
10	49	39	e35	e35	e31	57	159	734	248	63	76	103
11	54	41	e37	e37	35	72	136	814	228	62	73	97
12	58	38	e38	e36	77	83	132	777	262	62	84	94
13	60	38	e38	e31	76	95	161	751	201	67	110	92
14	57	34	e38	e31	66	93	231	747	183	65	134	89
15	63	42	e35	e32	60	77	311	728	179	65	110	86
16	61	39	e35	e33	59	76	461	781	177	70	111	84
17	58	39	e33	e34	54	68	590	924	170	72	97	82
18	59	38	e34	e34	51	54	613	969	160	67	89	80
19	56	38	e34	e33	56	63	635	1,020	151	66	83	78
20	55	37	e35	e32	57	57	627	1,120	143	65	78	77
21	53	43	e35	e34	53	55	601	1,190	146	64	75	75
22	53	40	e36	e34	50	56	557	1,250	146	63	70	74
23	49	e39	e34	e32	50	65	598	1,260	134	64	68	78
24	50	e37	e31	e33	49	62	660	1,230	124	67	68	75
25	48	e41	e32	e35	46	58	519	1,150	128	68	63	72
26	50	e43	e33	e34	e43	56	421	1,080	131	66	60	71
27	52	e41	e34	e38	e43	55	385	980	118	66	57	70
28	54	e44	e34	e36	e44	63	326	885	107	65	55	77
29	49	e42	e31	e33	---	71	279	797	101	64	57	307
30	44	e36	e35	e37	---	67	235	753	92	58	53	253
31	46	---	e34	e34	---	64	---	700	---	55	50	---
TOTAL	1,605	1,206	1,063	1,049	1,295	1,842	9,719	23,953	7,121	2,093	2,477	2,836
MEAN	51.8	40.2	34.3	33.8	46.2	59.4	324	773	237	67.5	79.9	94.5
MAX	67	46	38	38	77	95	660	1,260	637	87	134	307
MIN	30	34	31	31	29	39	68	204	92	55	50	57
AC-FT	3,180	2,390	2,110	2,080	2,570	3,650	19,280	47,510	14,120	4,150	4,910	5,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2005, BY WATER YEAR (WY)

MEAN	51.0	38.3	29.5	26.5	27.0	41.7	133	343	248	95.7	107	73.6
MAX	217	138	61.9	49.7	46.2	100	366	1,158	950	299	402	284
(WY)	(1942)	(1942)	(1942)	(1942)	(2005)	(1997)	(1942)	(1941)	(1979)	(1941)	(1957)	(1931)
MIN	11.9	11.6	9.52	11.2	14.8	18.1	40.1	26.4	17.4	20.5	20.0	10.8
(WY)	(1957)	(1957)	(1957)	(1957)	(1951)	(1951)	(1951)	(2002)	(2002)	(1956)	(1956)	(1956)

08378500 PECOS RIVER NEAR PECOS, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1920 - 2005	
ANNUAL TOTAL	28,544		56,259			
ANNUAL MEAN	78.0		154		102	
HIGHEST ANNUAL MEAN					267	1941
LOWEST ANNUAL MEAN					25.2	2002
HIGHEST DAILY MEAN	550	May 12	1,260	May 23	1,980	May 22, 1991
LOWEST DAILY MEAN	11	Jan 26	29	Feb 3	6.0	Dec 22, 1956
ANNUAL SEVEN-DAY MINIMUM	13	Jan 22	32	Feb 3	6.7	Dec 19, 1956
MAXIMUM PEAK FLOW			1,430	May 22	4,500	Sep 21, 1929
MAXIMUM PEAK STAGE			4.19	May 22	6.20	Sep 21, 1929
INSTANTANEOUS LOW FLOW			21	Nov 14	2.0	Mar 19, 1971
ANNUAL RUNOFF (AC-FT)	56,620		111,600		73,600	
10 PERCENT EXCEEDS	173		514		248	
50 PERCENT EXCEEDS	47		63		47	
90 PERCENT EXCEEDS	17		34		21	

e Estimated

08379500 PECOS RIVER NEAR ANTON CHICO, NM

LOCATION.--Lat 35°10'42", long 105°06'34", Guadalupe County, Hydrologic Unit 13060001, in Anton Chico Grant, on right bank 2.1 mi upstream from Canon Blanco, 2.3 mi southeast of Anton Chico, 9.7 mi downstream from Tecolote Creek, and at mile 808.0.

DRAINAGE AREA.--1,050 mi², approximately (contributing area).

PERIOD OF RECORD.--April 1910 to May 1916, October 1916 to September 1924, August to December 1925, January 1927 to current year. Monthly discharge only for some periods, published in WSP 1312.

REVISED RECORDS.--WSP 1342: 1951(M), 1952-53. WSP 1512: 1912-14, 1931, 1933(M), 1935-36(M), 1938(P), 1939-40, 1941-42(M), 1945(M), 1946(P). WSP 1712: 1942(P).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,130 ft above NGVD of 1929, from river-profile map. See WSP 1732 for history of changes prior to June 21, 1951.

REMARKS.--Records good except for those estimated, which are poor. Diversions upstream from station for irrigation of about 4,900 acres, 1959 determinations, upstream and downstream from station. Acequia del Bodo Juan Paiz (no measurements made during the water year) diverts water 8 mi upstream from gage and bypasses this station on left bank; ditch flow not included in record measurements made at point opposite regular gage. A portion of this flow may be returned to the river about 5.0 mi downstream. Several observations of water temperature were made during the year. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--The greatest flood since 1879 occurred Sept. 29, 1904, discharge about 73,000 ft³/s, from information by a local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	25	14	49	57	153	265	426	653	89	3.5	410
2	11	24	19	49	53	145	244	418	587	71	2.8	584
3	10	21	21	47	44	136	253	406	546	57	2.9	52
4	9.8	18	27	47	43	128	307	394	507	45	570	56
5	1,400	18	31	95	43	120	390	402	456	40	185	81
6	503	21	35	129	57	126	423	446	415	23	30	140
7	92	19	33	86	67	125	394	555	372	17	58	167
8	63	20	37	81	62	118	456	687	350	11	60	116
9	53	19	37	90	65	116	532	688	330	10	33	111
10	44	18	38	68	58	123	513	731	314	8.8	23	66
11	66	18	39	62	57	141	477	859	309	7.2	28	57
12	321	18	36	65	105	169	412	929	291	6.2	118	52
13	114	22	33	69	669	198	396	861	306	5.5	113	25
14	114	25	34	64	490	258	449	827	253	5.5	69	21
15	98	22	33	57	362	240	567	821	237	7.1	73	19
16	71	18	34	57	302	187	722	806	233	7.6	73	17
17	66	22	42	51	282	219	1,010	849	216	14	70	19
18	58	19	39	52	257	259	1,170	993	203	14	56	15
19	53	18	31	50	253	309	1,170	1,030	182	23	43	7.4
20	46	17	36	50	305	364	1,130	1,110	157	11	31	6.7
21	39	19	34	52	312	522	1,060	1,240	135	9.6	27	7.3
22	40	22	37	51	264	390	973	1,380	129	7.8	42	5.8
23	37	49	25	52	236	348	912	1,460	130	10	23	6.7
24	36	64	e27	52	220	358	950	1,470	112	9.3	16	4.7
25	31	29	e28	48	209	329	989	1,400	102	7.0	9.5	5.8
26	30	22	e29	50	196	320	818	1,260	174	11	7.0	3.4
27	32	26	30	54	177	280	708	1,270	312	39	9.5	3.4
28	28	33	43	60	165	272	644	1,160	134	17	11	4.0
29	27	e33	42	58	---	313	566	940	119	16	11	268
30	28	32	42	61	---	339	489	971	106	11	5.7	233
31	25	---	47	63	---	305	---	771	---	9.5	2.7	---
TOTAL	3,556.8	731	1,033	1,919	5,410	7,410	19,389	27,560	8,370	620.1	1,806.6	2,564.2
MEAN	115	24.4	33.3	61.9	193	239	646	889	279	20.0	58.3	85.5
MAX	1,400	64	47	129	669	522	1,170	1,470	653	89	570	584
MIN	9.8	17	14	47	43	116	244	394	102	5.5	2.7	3.4
AC-FT	7,050	1,450	2,050	3,810	10,730	14,700	38,460	54,670	16,600	1,230	3,580	5,090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	60.1	39.5	27.3	25.1	26.7	63.5	184	370	256	125	189	115
MAX	500	279	103	78.3	193	249	854	2,031	1,150	507	928	679
(WY)	(1942)	(1942)	(1942)	(1942)	(2005)	(1985)	(1942)	(1941)	(1941)	(1941)	(1991)	(1941)
MIN	0.00	0.00	0.00	1.82	0.92	0.29	1.54	0.86	0.08	3.81	4.38	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1971)	(1981)	(2002)	(2002)	(1934)	(2003)	(1956)

08379500 PECOS RIVER NEAR ANTON CHICO, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	44,652.50		80,369.7			
ANNUAL MEAN	122		220		124	
HIGHEST ANNUAL MEAN					489	1941
LOWEST ANNUAL MEAN					8.54	2002
HIGHEST DAILY MEAN	1,900	Apr 4	1,470	May 24	10,000	Jun 2, 1937
LOWEST DAILY MEAN	0.90	Jan 10	2.7	Aug 31	0.00	Jun 16, 1934
ANNUAL SEVEN-DAY MINIMUM	1.2	Jan 8	4.8	Sep 22	0.00	Jun 16, 1934
MAXIMUM PEAK FLOW			7,760	Oct 5	40,300	Jun 1, 1937
MAXIMUM PEAK STAGE			10.13	Oct 5	20.34	Jun 1, 1937
INSTANTANEOUS LOW FLOW			2.3	Aug 31	0.00	Jun 16, 1934
ANNUAL RUNOFF (AC-FT)	88,570		159,400		89,680	
10 PERCENT EXCEEDS	392		687		341	
50 PERCENT EXCEEDS	30		63		37	
90 PERCENT EXCEEDS	2.5		11		4.4	

e Estimated

08380500 GALLINAS CREEK NEAR MONTEZUMA, NM

LOCATION.--Lat 35°39'07", long 105°19'05", San Miguel County, Hydrologic Unit 13060001, in Las Vegas Grant, on left bank 2.4 mi west of Montezuma, 6.9 mi northwest of Las Vegas, and at mile 74.4.

DRAINAGE AREA.--84 mi², approximately.

PERIOD OF RECORD.--March to September 1915, June 1916 to current year. Monthly discharge only for some periods, published in WSP 1312. Prior to October 1964, published as "Gallinas River near Montezuma."

REVISED RECORDS.--WSP 898: drainage area. WSP 1562: 1951(P), 1952(M), 1955(P), 1957. WSP 1632: 1931-32, 1933(M), 1934, 1935(M), 1938, 1939-40(M), 1941-42, 1945, 1949-50(M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,880 ft above NGVD of 1929, from topographic map. Prior to Sept. 21, 1934, at different datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of about 80 acres, 1959 determination, upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The greatest flood since about 1900 occurred the night of Sept. 29, 1904 (discharge not determined), from information by local residents and G. B. Monk's report on floods.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	11	e8.4	e10	19	26	63	75	53	12	7.4	13
2	8.6	10	e8.4	e9.2	16	25	62	76	48	11	6.8	16
3	8.2	9.4	e8.2	e8.8	15	24	71	70	43	11	6.4	15
4	8.7	11	e8.2	e8.4	17	24	88	71	40	10	22	13
5	15	10	e8.6	e8.0	17	25	97	74	36	10	75	12
6	29	9.9	e9.0	e9.0	17	24	87	88	33	9.5	37	12
7	22	9.9	e9.2	e10	16	23	88	124	30	9.0	27	22
8	18	9.5	e9.4	e14	17	23	102	126	28	8.8	21	40
9	16	9.5	e9.4	e18	15	24	100	124	26	9.1	18	23
10	15	9.7	e9.6	25	16	25	93	136	25	8.8	17	19
11	21	9.6	e9.6	28	17	28	81	151	25	7.9	50	16
12	34	9.4	e9.8	26	86	31	76	140	24	8.4	75	15
13	30	10	e9.0	e22	97	36	78	125	22	9.0	46	14
14	29	9.1	e8.4	e23	70	38	89	120	21	9.2	76	12
15	30	9.9	e8.5	e21	58	43	119	120	20	8.0	51	11
16	27	10	e7.8	e20	53	41	172	116	19	8.0	87	11
17	24	10	e8.6	e19	48	40	239	137	17	7.8	58	10
18	22	11	e8.4	e18	44	38	226	142	17	7.7	43	9.2
19	20	10	e8.5	18	44	41	208	141	16	8.4	36	8.8
20	19	e10	e8.6	17	43	51	180	148	15	9.2	30	8.4
21	17	e11	e7.6	18	39	75	158	156	15	7.7	28	7.3
22	16	e11	e6.6	18	36	82	139	147	14	7.1	26	7.2
23	17	e12	e6.0	e17	35	98	133	141	14	7.0	23	8.1
24	16	e11	e6.5	e18	33	93	143	131	13	7.9	21	9.2
25	15	e9.8	e7.4	21	31	80	125	114	13	7.8	19	8.3
26	14	e10	e7.6	21	29	68	109	102	20	9.4	18	7.8
27	14	e9.8	e8.0	22	29	67	96	92	18	16	16	7.7
28	14	e10	e9.2	21	27	86	90	81	15	12	15	9.0
29	13	e7.4	e9.0	20	---	95	83	72	14	9.7	15	7.2
30	12	e8.0	e9.7	21	---	82	77	67	13	8.5	14	9.2
31	12	---	e11	21	---	70	---	60	---	7.8	12	---
TOTAL	565.4	298.9	264.2	550.4	984	1,526	3,472	3,467	707	283.7	996.6	529.0
MEAN	18.2	9.96	8.52	17.8	35.1	49.2	116	112	23.6	9.15	32.1	17.6
MAX	34	12	11	28	97	98	239	156	53	16	87	92
MIN	8.2	7.4	6.0	8.0	15	23	62	60	13	7.0	6.4	7.2
AC-FT	1,120	593	524	1,090	1,950	3,030	6,890	6,880	1,400	563	1,980	1,050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2005, BY WATER YEAR (WY)

MEAN	12.3	9.91	6.71	5.73	6.21	13.4	37.4	54.9	22.2	16.0	31.6	20.2
MAX	108	57.5	21.3	17.8	35.1	64.7	184	380	118	105	225	185
(WY)	(1942)	(1942)	(1958)	(2005)	(2005)	(1987)	(1958)	(1941)	(1979)	(1991)	(1991)	(1991)
MIN	0.38	0.49	0.80	1.83	1.49	2.36	3.11	1.96	0.74	1.24	1.08	0.40
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1955)	(1967)	(1967)	(1956)	(1956)	(1934)	(1956)

08380500 GALLINAS CREEK NEAR MONTEZUMA, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1926 - 2005	
ANNUAL TOTAL	9,685.9		13,644.2			
ANNUAL MEAN	26.5		37.4		19.8	
HIGHEST ANNUAL MEAN					80.7 1941	
LOWEST ANNUAL MEAN					2.53 1956	
HIGHEST DAILY MEAN	556	Apr 8	239	Apr 17	1,580	Sep 10, 1991
LOWEST DAILY MEAN	1.7	Feb 23	6.0	Dec 23	0.20	Sep 21, 1956
ANNUAL SEVEN-DAY MINIMUM	2.3	Feb 21	7.1	Dec 21	0.21	Oct 8, 1956
MAXIMUM PEAK FLOW			266	Apr 17	a7,120	Aug 2, 1966
MAXIMUM PEAK STAGE			2.99	Apr 17	b9.70	Aug 2, 1966
INSTANTANEOUS LOW FLOW			5.3	Aug 3	c0.20	Sep 21, 1956
ANNUAL RUNOFF (AC-FT)	19,210		27,060		14,350	
10 PERCENT EXCEEDS	69		97		45	
50 PERCENT EXCEEDS	9.7		18		7.8	
90 PERCENT EXCEEDS	2.9		8.4		2.8	

a From rating curve extended above 500 ft³/s, on basis of slope-area measurements at gage heights 5.25, 8.25, and 9.7 ft.

b From floodmarks.

c Also occurred Oct. 6-9, 1922, Sept. 21 and Oct. 9-14, 1956, and Dec. 13, 1964.

e Estimated

08382600 PECOS RIVER ABOVE CANON DEL UTA NEAR COLONIAS, NM

LOCATION.--Lat 35°05'29", long 104°48'02", in sec.20, T.10 N., R.20 E., Guadalupe County, Hydrologic Unit 13060001, in Anton Chico Grant, on right bank 0.4 mi upstream from Canon del Uta, 2.9 mi southeast of Colonias, and at mile 775.8.

DRAINAGE AREA.--2,330 mi², approximately.

PERIOD OF RECORD.--January 1976 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,800 ft above NGVD of 1929, from U.S. Army Corps of Engineers plan and profile map.

REMARKS.--Records poor. Diversions and ground-water withdrawals for irrigation of about 11,800 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year. No flow many days most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	e1.0	0.00	0.00	92	177	329	655	48	0.59	37
2	0.00	0.00	0.00	0.00	0.00	84	142	271	520	19	0.60	553
3	0.01	0.00	0.00	0.00	0.00	74	144	290	445	0.58	0.59	104
4	0.00	0.00	0.00	e1.0	0.00	64	160	286	403	0.58	1.9	72
5	1,640	0.00	0.00	e3.5	0.00	56	233	287	367	0.57	513	69
6	2,100	0.00	0.00	73	0.00	53	317	305	290	0.56	65	89
7	342	0.00	0.00	83	0.00	56	299	322	230	0.55	19	422
8	125	0.00	0.00	e70	0.00	49	318	513	198	0.55	33	133
9	82	0.00	0.00	e40	0.00	44	423	551	180	0.55	36	84
10	52	0.00	0.00	e5.0	0.00	41	434	559	174	0.55	2.3	71
11	39	0.00	0.00	e1.0	0.00	45	393	654	160	0.54	0.87	55
12	283	0.00	0.00	0.00	0.00	60	326	783	146	0.54	494	51
13	254	0.00	0.00	0.00	310	80	290	727	149	0.53	430	41
14	120	0.00	0.00	0.00	548	122	299	667	132	0.53	257	32
15	123	0.00	0.00	0.00	376	153	403	712	112	0.53	91	26
16	66	0.00	0.00	0.00	299	119	549	677	106	0.53	87	21
17	15	0.00	0.00	0.00	242	112	791	673	98	0.53	69	20
18	0.38	0.00	0.00	0.00	224	148	1,010	826	89	0.53	63	14
19	0.00	0.00	0.00	0.00	191	260	1,010	944	87	12	49	12
20	0.00	0.00	0.00	0.00	199	310	1,010	1,030	70	19	42	10
21	0.00	0.00	0.00	0.00	247	496	936	1,150	57	0.51	64	20
22	0.00	e1.0	0.00	0.00	201	409	868	1,280	44	0.51	79	24
23	0.00	e10	0.00	0.00	162	306	832	1,360	43	0.51	48	17
24	0.00	e18	0.00	0.00	135	268	863	1,370	42	1.4	42	16
25	0.00	e25	0.00	0.00	126	258	921	1,400	25	0.51	40	12
26	0.00	e19	0.00	0.00	125	242	758	1,340	13	17	40	6.7
27	0.00	e10	0.00	0.00	113	215	607	1,150	280	0.57	39	9.7
28	100	e6.0	0.00	0.00	99	156	539	1,530	101	0.57	39	9.0
29	7.6	e4.0	0.00	0.00	---	193	463	1,070	73	0.59	38	29
30	e2.0	e2.0	0.00	0.00	---	242	385	1,480	62	0.59	38	207
31	e1.0	---	0.00	0.00	---	226	---	1,050	---	0.59	37	---
TOTAL	5,351.99	95.00	1.00	276.50	3,597.00	5,033	15,900	25,586	5,351	130.10	2,758.85	2,266.4
MEAN	173	3.17	0.03	8.92	128	162	530	825	178	4.20	89.0	75.5
MAX	2,100	25	1.0	83	548	496	1,010	1,530	655	48	513	553
MIN	0.00	0.00	0.00	0.00	0.00	41	142	271	13	0.51	0.59	6.7
AC-FT	10,620	188	2.0	548	7,130	9,980	31,540	50,750	10,610	258	5,470	4,500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005, BY WATER YEAR (WY)

MEAN	29.2	23.0	6.98	4.05	9.19	39.7	135	315	245	94.5	162	75.8
MAX	173	160	42.0	19.0	128	192	850	825	1,057	418	1,062	660
(WY)	(2005)	(1999)	(1987)	(1987)	(2005)	(1985)	(2004)	(2005)	(1995)	(1991)	(1991)	(1991)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.74	0.00
(WY)	(1978)	(1977)	(1977)	(1976)	(1976)	(1976)	(1976)	(2002)	(2002)	(2003)	(2002)	(2004)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1976 - 2005

ANNUAL TOTAL	46,973.81	66,346.84	
ANNUAL MEAN	128	182	97.6
HIGHEST ANNUAL MEAN			245
LOWEST ANNUAL MEAN			4.27
HIGHEST DAILY MEAN	2,940	2,100	2,960
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		4,900	a12,400
MAXIMUM PEAK STAGE		9.27	11.53
INSTANTANEOUS LOW FLOW		0.00	0.00
ANNUAL RUNOFF (AC-FT)	93,170	131,600	70,680
10 PERCENT EXCEEDS	319	555	306
50 PERCENT EXCEEDS	0.00	40	6.4
90 PERCENT EXCEEDS	0.00	0.00	0.00

08382650 PECOS RIVER ABOVE SANTA ROSA LAKE, NM

LOCATION.--Lat 35°03'34", long 104°45'40", in NE ¼ SE ¼ SE ¼ sec.25, T.10 N., R.20 E., Guadalupe County, Hydrologic Unit 13060001, at south boundary of Preston Beck Grant, on left bank 1.6 mi upstream from River Ranch, 5.8 mi southeast of Colonias, 9.1 mi northwest of Santa Rosa, and at mile 770.8.

DRAINAGE AREA.--2,340 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1976 to current year. Prior to October 1979, published as "above Los Esteros Reservoir."

REVISED RECORD.--WDR NM-99-1: 1999(M) (mean daily values).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,760 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records fair except for those estimated, which are poor. Diversions and ground-water withdrawals for irrigation of about 11,800 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	8.4	9.2	7.9	19	99	223	438	733	101	17	15
2	6.8	8.0	8.5	7.7	18	85	197	372	624	79	17	33
3	7.6	8.0	8.6	7.4	14	74	186	377	571	62	17	65
4	6.8	7.4	8.7	7.1	11	67	197	373	521	60	17	58
5	825	7.3	8.5	7.2	8.7	61	260	380	483	56	434	51
6	1,310	7.4	9.1	48	9.0	56	326	399	427	51	76	52
7	258	7.4	9.1	71	8.7	61	312	425	371	49	20	75
8	72	7.7	9.0	46	8.4	56	336	602	325	47	23	99
9	38	8.2	8.4	39	8.2	49	431	623	297	45	29	99
10	30	e8.3	8.4	42	8.8	47	450	633	289	41	20	94
11	27	e8.1	8.0	29	9.5	49	433	712	275	38	19	85
12	169	e8.0	8.4	23	8.4	66	370	794	265	35	46	75
13	208	e7.8	9.3	24	234	94	315	787	257	33	156	67
14	82	e7.7	9.8	28	543	164	332	760	239	31	188	58
15	91	e7.6	9.5	24	379	237	442	775	209	29	169	49
16	60	e7.6	9.5	18	286	165	568	752	205	26	139	42
17	42	7.5	9.4	17	246	141	752	745	195	24	125	35
18	31	7.7	9.4	13	236	195	929	846	175	23	105	30
19	26	8.0	9.3	12	208	301	923	900	165	21	74	27
20	24	8.3	9.7	9.7	204	363	901	931	139	32	58	24
21	19	8.2	10	7.6	287	536	858	1,010	115	17	56	22
22	13	8.5	10	7.1	251	438	824	1,080	94	17	67	20
23	12	9.1	9.8	7.1	211	326	769	1,160	86	16	57	18
24	11	9.5	9.2	7.2	186	288	768	1,170	94	17	46	17
25	11	26	9.0	7.3	173	282	817	1,160	80	16	35	16
26	9.5	16	9.3	6.9	159	267	754	1,140	74	47	29	15
27	9.0	11	9.3	7.3	139	250	656	1,030	382	20	25	14
28	80	9.4	9.0	9.4	118	207	610	1,240	197	17	21	13
29	21	13	8.8	12	---	232	554	1,010	140	17	19	32
30	8.9	11	7.4	16	---	261	491	1,250	121	17	18	43
31	8.6	---	7.4	18	---	252	---	1,020	---	17	16	---
TOTAL	3,526.6	278.1	279.0	586.9	3,991.7	5,769	15,984	24,894	8,148	1,101	2,138	1,343
MEAN	114	9.27	9.00	18.9	143	186	533	803	272	35.5	69.0	44.8
MAX	1,310	26	10	71	543	536	929	1,250	733	101	434	99
MIN	6.8	7.3	7.4	6.9	8.2	47	186	372	74	16	16	13
AC-FT	7,000	552	553	1,160	7,920	11,440	31,700	49,380	16,160	2,180	4,240	2,660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005, BY WATER YEAR (WY)

MEAN	47.8	42.8	23.9	21.4	26.8	56.2	141	335	265	123	212	104
MAX	147	237	68.7	46.1	143	207	602	803	945	440	1,077	683
(WY)	(1986)	(1999)	(1987)	(1987)	(2005)	(1985)	(2004)	(2005)	(1979)	(1991)	(1991)	(1991)
MIN	6.50	4.10	3.26	3.54	3.12	4.44	4.99	7.93	8.74	4.16	5.86	6.12
(WY)	(1979)	(2004)	(2004)	(2004)	(2004)	(2003)	(1978)	(1981)	(2002)	(2003)	(2003)	(1978)

08382650 PECOS RIVER ABOVE SANTA ROSA LAKE, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1976 - 2005	
ANNUAL TOTAL	37,743.3		68,039.3			
ANNUAL MEAN	103		186		119	
HIGHEST ANNUAL MEAN					265	
LOWEST ANNUAL MEAN					19.1	
HIGHEST DAILY MEAN	2,250	Apr 5	1,310	Oct 6	4,310	Jul 10, 1996
LOWEST DAILY MEAN	2.5	Feb 12	6.8	Oct 2	2.1	Aug 21, 2003
ANNUAL SEVEN-DAY MINIMUM	2.7	Mar 4	7.2	Jan 21	2.6	Aug 20, 2003
MAXIMUM PEAK FLOW			3,020	Oct 6	a16,000	Jul 11, 1996
MAXIMUM PEAK STAGE			12.09	Oct 6	19.06	Jul 11, 1996
INSTANTANEOUS LOW FLOW			5.9	Oct 4	0.90	Aug 2, 2003
ANNUAL RUNOFF (AC-FT)	74,860		135,000		86,500	
10 PERCENT EXCEEDS	299		628		341	
50 PERCENT EXCEEDS	8.6		47		29	
90 PERCENT EXCEEDS	3.2		8.2		7.9	

a From rating curve extended above 1,500 ft³/s, on basis of slope-area measurement of peak flow.

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976, 1981-97, 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAR 08...	1130	55	26	640	8.8	100	8.2	498	18.5	13.0	250	84.7	9.52
JUN 13...	1240	266	20	640	7.5	99	8.1	292	30.0	20.0	130	45.3	4.98

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
MAR 08...	1.13	.3	10.8	128	153	7.28	.2	9.6	121	320	.15	.24	<.04
JUN 13...	.88	.2	4.38	90	109	2.74	.2	7.5	46.5	166	.10	.33	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
MAR 08...	E.040	E.04	<.008	<.02	.007	.032	3	<.20	<2	85	<.06	20	<.04
JUN 13...	E.031	E.03	<.008	<.02	.007	.121	8	<.20	<2	61	<.06	15	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
MAR 08...	<.8	.255	1.1	<6	<.08	4.5	<.01	.7	2.25	<3	<3	<.2	1.1
JUN 13...	<.8	.119	1.0	<6	<.08	3.5	<.01	.5	1.56	<3	<3	<.2	E.4

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
MAR 08...	1.30	76	36
JUN 13...	.67	53	153

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

08382810 SANTA ROSA LAKE NEAR SANTA ROSA, NM

LOCATION.--Lat 35°01'47", long 104°41'32", Guadalupe County, Hydrologic Unit 13060001, in Jose Perea Grant, near outlet gates of Santa Rosa Dam on Pecos River, approximately 7.0 mi north of Santa Rosa, and at mile 757.2.

DRAINAGE AREA.--2,430 mi², approximately.

PERIOD OF RECORD.--April 1980 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by earth and rockfill dam on Pecos River. Storage began on Apr. 22, 1980. Capacity, 439,900 acre-ft, from capacity table effective Oct. 1997, between elevations 4,630.0 ft, invert of outlet structure, and 4,797.0 ft, crest of spillway. Capacity by original survey was 447,100 acre-ft. No dead storage. Lake was created primarily for flood control, irrigation, and sediment control. U.S. Army Corps of Engineers satellite telemetry at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 120,481 acre-ft, May 8, 1987, elevation, 4,749.71 ft; no storage for many days, July-Sept., 1980 and June-Aug., 1981.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 98,030 acre-ft, Aug. 15, elevation, 4,745.26 ft; minimum, 21,300 acre-ft, Oct. 1, elevation, 4,712.85 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21,300	29,550	30,000	30,250	31,910	39,260	50,500	81,350	96,930	95,510	94,250	95,440
2	21,310	29,550	30,000	30,310	31,940	39,420	50,830	81,970	95,470	95,510	94,180	96,120
3	21,380	29,570	30,000	30,310	31,980	39,580	51,180	82,660	94,790	95,440	94,100	96,020
4	21,410	29,550	30,000	30,400	31,990	39,740	51,370	83,390	94,680	95,360	94,100	95,690
5	23,960	29,570	30,020	30,450	32,030	39,860	51,920	84,090	94,570	95,290	94,970	95,360
6	26,670	29,570	30,020	30,460	32,060	39,940	52,630	84,730	94,640	95,220	95,080	95,440
7	27,290	29,580	30,020	30,690	32,080	40,080	53,260	85,360	94,890	95,150	95,080	95,690
8	27,520	29,580	30,020	30,830	32,080	40,120	53,950	86,340	95,040	95,080	95,040	95,580
9	27,620	29,570	30,020	30,930	32,100	40,240	54,690	87,190	95,220	95,040	95,000	95,510
10	27,720	29,600	30,040	31,060	32,110	40,260	55,510	87,770	95,330	95,000	95,040	95,360
11	27,810	29,600	30,040	31,130	32,150	40,320	56,290	88,560	95,440	95,000	95,080	95,360
12	28,050	29,620	30,050	31,140	32,130	40,380	56,950	89,250	95,260	95,000	96,240	95,260
13	28,510	29,740	30,050	31,200	32,410	40,560	57,560	89,840	95,330	94,930	97,330	95,220
14	28,740	29,780	30,050	31,280	33,420	40,940	58,220	90,290	95,510	94,930	97,840	95,180
15	28,920	29,790	30,070	31,330	34,110	41,390	59,120	90,880	95,800	94,860	98,030	95,150
16	29,030	29,790	30,070	31,380	34,650	41,730	60,400	91,100	95,690	94,820	97,180	95,150
17	29,120	29,790	30,080	31,430	35,120	42,000	61,750	91,240	95,650	94,800	95,980	95,080
18	29,200	29,790	30,080	31,450	35,610	42,310	63,500	91,760	95,620	94,720	95,620	95,080
19	29,240	29,820	30,100	31,480	36,040	42,800	65,350	92,190	95,620	94,610	95,580	95,040
20	29,330	29,820	30,100	31,520	36,370	43,390	67,180	92,570	95,540	94,530	95,650	95,000
21	29,360	29,860	30,120	31,580	36,890	44,390	68,860	93,000	95,360	94,460	95,720	94,970
22	29,340	29,890	30,150	31,580	37,370	45,320	70,420	93,640	95,470	94,430	95,690	94,970
23	29,380	29,920	30,150	31,600	37,750	45,990	71,920	94,210	95,360	94,430	95,400	94,970
24	29,360	29,920	30,150	31,600	38,060	46,590	73,420	94,790	95,440	94,390	95,290	94,890
25	29,410	29,940	30,170	31,620	38,350	47,250	75,120	95,540	95,470	94,360	95,290	94,860
26	29,410	29,960	30,200	31,670	38,620	47,800	76,590	95,440	95,440	94,460	95,330	94,820
27	29,420	30,000	30,220	31,700	38,850	48,310	77,760	95,470	95,910	94,430	95,330	94,790
28	29,540	29,990	30,220	31,720	39,070	48,760	78,920	96,450	95,910	94,390	95,330	95,040
29	29,550	29,970	30,220	31,750	---	49,120	79,790	96,780	95,580	94,320	95,330	95,440
30	29,570	29,990	30,230	31,840	---	49,560	80,670	97,730	95,540	94,280	95,330	95,800
31	29,550	---	30,250	31,870	---	50,050	---	97,920	---	94,320	95,290	---
MAX	29,570	30,000	30,250	31,870	39,070	50,050	80,670	97,920	96,930	95,510	98,030	96,120
MIN	21,300	29,550	30,000	30,250	31,910	39,260	50,500	81,350	94,570	94,280	94,100	94,790
(+)	4,718.74	4,719.01	4,719.17	4,720.14	4,724.07	4,729.21	4,740.24	4,745.23	47,744.58	4,744.24	4,744.51	4,744.65
(++)	+8,270	+440	+260	+1,620	+7,200	+10,980	+30,620	+17,250	-2,380	-1,220	+970	+510
CAL YR	2004	MAX 57,120	MIN 1,610		(++) +25,180							
WTR YR	2005	MAX 98,030	MIN 21,300		(++) +74,520							

(+)Elevation, in feet, at end of month.
(++)Change in contents, in acre-feet.

08382830 PECOS RIVER BELOW SANTA ROSA DAM, NM

LOCATION.--Lat 35°01'27", long 104°41'20", Guadalupe County, Hydrologic Unit 13060001, in Jose Perea Grant, on right bank 0.2 mi downstream from Santa Rosa Dam, 5.7 mi north of Santa Rosa, and at mile 757.0.

DRAINAGE AREA.--2,430 mi², approximately.

PERIOD OF RECORD.--January 1980 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,640 ft above NGVD of 1929, from topographic map. Prior to Oct. 31, 1980, at datum about 1.2 ft higher. Prior to Mar. 26, 1982, at site 195 ft upstream at datum 2.36 ft higher.

REMARKS.--Records good except for those below 1.0 ft³/s, which are fair. Flow completely regulated by Santa Rosa Lake (station 08382810) 0.2 mi upstream since April 1980. Diversions and ground-water withdrawals for irrigation of about 12,000 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,070	0.00	0.00	0.00
2	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,160	0.00	0.00	130
3	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	769	0.00	0.00	222
4	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	422	0.00	0.00	223
5	3.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	421	0.00	0.00	223
6	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	297	0.00	0.00	75
7	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153	0.00	0.00	129
8	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127	0.00	0.00	218
9	0.03	0.00	0.00	0.00	0.00	0.00	0.00	142	128	0.00	0.00	168
10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	244	162	0.00	0.00	141
11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	266	189	0.00	0.00	142
12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	371	191	0.00	0.01	48
13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	444	132	0.00	0.00	0.00
14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	444	89	0.00	0.00	0.00
15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	444	95	0.00	56	0.00
16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	574	96	0.00	473	0.00
17	0.01	0.00	0.00	0.00	0.00	0.00	0.00	655	100	0.00	677	0.00
18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	513	101	0.00	233	0.00
19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	586	102	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	638	102	0.00	0.00	0.00
21	0.01	0.00	0.00	0.00	0.00	0.00	0.00	681	101	0.00	0.00	0.00
22	0.01	0.00	0.00	0.00	0.00	0.00	0.00	680	42	0.00	118	0.00
23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	753	0.00	0.00	200	0.00
24	0.01	0.00	0.00	0.00	0.00	0.00	0.00	805	0.00	0.00	44	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	889	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,100	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	949	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	759	125	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	760	222	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	746	77	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	838	---	0.00	0.00	---
TOTAL	4.59	0.00	0.00	0.00	0.00	0.00	0.00	14,281.00	6,473.00	0.00	1,801.01	1,719.00
MEAN	0.15	0.00	0.00	0.00	0.00	0.00	0.00	461	216	0.00	58.1	57.3
MAX	3.9	0.00	0.00	0.00	0.00	0.00	0.00	1,100	1,160	0.00	677	223
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	9.1	0.00	0.00	0.00	0.00	0.00	0.00	28,330	12,840	0.00	3,570	3,410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	10.9	8.31	7.06	13.3	32.2	50.3	75.9	255	249	177	191	142														
MAX	112	145	59.0	188	249	277	655	672	1,026	561	619	649														
(WY)	(1993)	(1987)	(1987)	(1996)	(1995)	(1998)	(1989)	(1989)	(1995)	(1983)	(1994)	(1988)														
MIN	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01														
(WY)	(1990)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2003)	(2004)	(2005)	(2003)	(2000)														

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005	
ANNUAL TOTAL	20,269.04		24,278.60			
ANNUAL MEAN	55.4		66.5		104	
HIGHEST ANNUAL MEAN					215	
LOWEST ANNUAL MEAN					23.3	
HIGHEST DAILY MEAN	1,390	Sep 18	1,160	Jun 2	2,100	Jun 12, 1997
LOWEST DAILY MEAN	0.00	Feb 15	0.00	Oct 25	0.00	Jul 31, 1982
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 25	0.00	Oct 25	0.00	Mar 5, 1983
MAXIMUM PEAK FLOW			1,210	May 26	2,100	Jun 12, 1997
MAXIMUM PEAK STAGE			6.42	May 26	7.92	Jun 12, 1997
INSTANTANEOUS LOW FLOW			0.00	Oct 18	0.00	Oct 1, 2003
ANNUAL RUNOFF (AC-FT)	40,200		48,160		75,080	
10 PERCENT EXCEEDS	0.06		207		422	
50 PERCENT EXCEEDS	0.01		0.00		0.30	
90 PERCENT EXCEEDS	0.00		0.00		0.01	

08383500 PECOS RIVER NEAR PUERTO DE LUNA, NM

LOCATION.--Lat 34°43'47", long 104°31'28", in NE 1/4 SE 1/4 NW 1/4 sec.20, T.6 N., R.23 E., Guadalupe County, Hydrologic Unit 13060001, on left bank 9.0 mi southeast of Puerto de Luna, 17.5 mi upstream from Sumner Dam, and at mile 719.5.

DRAINAGE AREA.--3,970 mi², approximately (contributing area).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1938 to current year.

REVISED RECORDS.--WSP 1512: 1939.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 4,311.34 ft above NGVD of 1929. Prior to Apr. 15, 1954, at datum 1.0 ft higher.

REMARKS.--Water-discharge records good except for those greater than 1,000 ft³/s and those estimated, which are fair. Flow regulated by Santa Rosa Lake (station 08382810), 37.7 mi upstream, since Apr. 1980. Diversions for irrigation of about 10,280 acres, 1970 determination, upstream from station. Spring discharge from Blue Hole and Agua Negra upstream from station contributes a substantial inflow. Discharge represents inflow to Lake Sumner. Several observations of water temperature and specific conductance were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood since at least 1886 occurred June 2, 1937, when peak at Santa Rosa was 55,200 ft³/s, and peak inflow to Lake Sumner was about 75,000 ft³/s. Flood of July 24, 1895, was reported as "highest in 10 years." Other major floods occurred on June 9, 1903, Sept. 30, 1904, and May 1, 1914.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	77	87	80	85	85	81	69	1,080	156	61	85
2	103	77	87	81	84	85	80	70	1,320	101	61	76
3	103	78	86	84	83	85	77	70	1,270	93	59	152
4	255	79	87	85	83	86	76	70	614	87	60	227
5	2,700	80	87	88	84	85	76	69	552	83	223	226
6	1,150	76	88	83	90	87	78	67	541	82	166	229
7	258	74	88	82	87	85	78	66	340	79	83	135
8	132	75	86	81	84	84	77	63	233	80	75	162
9	113	78	85	81	83	83	76	65	198	78	67	218
10	101	77	85	81	83	83	76	154	190	112	66	169
11	101	77	86	81	83	82	76	252	239	102	72	157
12	102	78	85	80	86	81	75	295	251	84	256	160
13	96	90	85	80	85	80	75	417	247	90	356	120
14	95	93	85	80	84	86	74	449	182	81	116	86
15	90	89	85	81	83	96	80	471	161	79	91	82
16	89	88	85	81	83	92	83	475	176	76	98	77
17	89	86	85	82	84	90	79	680	159	76	572	71
18	87	86	85	81	86	88	77	614	157	77	609	70
19	86	86	85	81	87	84	75	566	155	75	176	71
20	87	87	86	81	86	83	74	622	155	74	111	70
21	86	87	86	82	85	82	73	710	157	72	106	70
22	86	88	90	84	85	81	72	720	162	71	91	70
23	84	90	87	84	85	81	72	735	132	71	171	74
24	84	90	113	82	85	82	75	846	98	71	204	73
25	79	87	93	81	85	82	76	939	89	77	123	70
26	82	86	80	81	85	90	74	1,280	115	82	88	71
27	98	86	80	82	85	89	73	1,340	97	141	81	72
28	85	87	80	83	85	82	72	2,550	88	78	83	73
29	82	88	80	82	---	80	70	943	190	70	78	131
30	81	87	80	86	---	80	69	875	281	66	77	113
31	79	---	80	86	---	81	---	835	---	64	79	---
TOTAL	6,880	2,507	2,667	2,547	2,373	2,620	2,269	17,377	9,629	2,628	4,559	3,460
MEAN	222	83.6	86.0	82.2	84.8	84.5	75.6	561	321	84.8	147	115
MAX	2,700	93	113	88	90	96	83	2,550	1,320	156	609	229
MIN	79	74	80	80	83	80	69	63	88	64	59	70
AC-FT	13,650	4,970	5,290	5,050	4,710	5,200	4,500	34,470	19,100	5,210	9,040	6,860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	109	92.9	93.5	97.3	113	134	153	327	343	282	299	262	225	232	147	252	306	373	685	744	1,211	725	706	948	1,099	1,211	1,211
MAX	225	232	147	252	306	373	685	744	1,211	725	706	948	1,099	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	
(WY)	(1986)	(1987)	(1987)	(1996)	(1994)	(1998)	(1989)	(1989)	(1995)	(1983)	(1994)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	
MIN	73.1	76.3	73.5	75.9	76.7	73.5	67.5	63.0	61.5	68.2	65.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
(WY)	(1988)	(2000)	(1991)	(2004)	(1984)	(1989)	(2003)	(2004)	(2004)	(2003)	(2001)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	(1990)	

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1980 - 2005

ANNUAL TOTAL	55,953	59,516	a193
ANNUAL MEAN	153	163	318
HIGHEST ANNUAL MEAN			103
LOWEST ANNUAL MEAN			1995
HIGHEST DAILY MEAN	2,700	Oct 5	2,700
LOWEST DAILY MEAN	48	Jun 11	59
ANNUAL SEVEN-DAY MINIMUM	50	Jun 11	63
MAXIMUM PEAK FLOW			7,150
MAXIMUM PEAK STAGE			7.71
INSTANTANEOUS LOW FLOW			57
ANNUAL RUNOFF (AC-FT)	111,000	118,000	139,500
10 PERCENT EXCEEDS	116	253	509
50 PERCENT EXCEEDS	77	85	85
90 PERCENT EXCEEDS	61	72	67

a Average discharge for 41 years (water years 1939-79), 209 ft³/s, 151,400 acre-ft/yr, prior to completion of Santa Rosa Dam.

b From rating curve extended above 7,400 ft³/s, on basis of flow "at Santa Rosa."

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937-66, 1972 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAR 08...	1530	85	3.1	648	8.7	107	8.2	2,870	18.5	17.0	1,800	603	69.3
APR 13...	1750	74	3.3	653	7.7	104	8.1	2,990	23.0	22.0	2,000	685	72.8

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
MAR 08...	2.08	1	101	111	132	144	.7	12.2	1,560	2,550	E.07	.13	E.03
APR 13...	2.68	1	115	113	135	150	.7	11.9	1,560	2,670	E.08	.17	.05

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
MAR 08...	E.020	<.06	<.008	<.02	E.002	.019	<3	<.40	<2	17	<.12	107	<.08
APR 13...	E.020	<.06	<.008	<.02	E.004	.013	<3	<.40	<2	21	<.12	117	<.08

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
MAR 08...	<.8	1.07	4.3	<18	<.16	12.5	<.01	2.8	8.42	<3	<3	<.4	3.4
APR 13...	1.1	1.29	6.2	<18	<.16	14.6	<.01	2.9	19.1	<3	<3	<.4	4.8

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
MAR 08...	1.55	95	38
APR 13...	1.86	63	36

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

08384000 LAKE SUMNER NEAR FORT SUMNER, NM

LOCATION.--Lat 34°36'30", long 104°23'06", in SE ¼ SW ¼ sec.34, T.5 N., R.24 E., DeBaca County, Hydrologic Unit 13060001, near center of dam on Pecos River, 5.0 mi northeast of Guadalupe, 12.2 mi northwest of Fort Sumner, and at mile 702.0.

DRAINAGE AREA.--4,390 mi², approximately (contributing area).

PERIOD OF RECORD.--December 1938 to September 1965 (month end elevations and contents), October 1965 to current year. Month end elevations September 1937 to November 1938 published in reports of Pecos River Commission. Elevations and contents May 27, 1937, to June 10, 1937, in WSP 842. Prior to October 1974, published as "Alamogordo Reservoir."

REVISED RECORDS.--WSP 1732: 1939-54 (contents). WSP 1923: 1939-53(M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation). Apr. 1, 1946, to Sept. 30, 1957, water-stage recorder above elevation 4,234.25 ft, nonrecording gage below. Oct. 1, 1988, to current year, water-stage recorder above elevation 4,238.00 ft, nonrecording gage below.

REMARKS.--Lake is formed by earthfill dam; completed and storage began in Aug. 1937. Capacity, 128,657 acre-ft, from capacity table dated Nov. 2001 (1988 NGVD) between elevation 4,201.89 ft and elevation 4,283.89 ft, top of flood pool, sill of outlet gate, and elevation 4,275.0 ft, normal operating level. Capacity by original survey was 132,200 acre-ft. Dead storage 2,500 acre-ft. Reservoir is used to store water for irrigation.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 138,300 acre-ft, May 23-30, June 1-10, July 21, Sept. 22, 23, 30, Oct. 12, Nov. 4, 5, 30, Dec. 23, and 24, 1941, elevation, 4,275.00 ft; maximum elevation, 4,276.10 ft June 3, Sept. 8, 1958; no storage, July 28 to Aug. 2, 1951, elevation, 4,200.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 43,950 acre-ft, June 12, elevation, 4,263.24 ft; minimum, 4,730 acre-ft, Oct. 1, elevation 4,236.86 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,730	15,480	19,720	23,720	27,730	30,870	32,860	31,070	40,340	42,160	36,990	39,740
2	4,840	15,670	19,830	23,830	27,850	30,980	32,790	30,980	40,240	42,220	36,880	39,720
3	4,900	15,800	19,940	24,020	27,950	31,080	32,790	30,910	41,500	42,190	36,520	39,640
4	4,950	15,920	20,050	24,180	28,060	31,210	32,660	30,870	42,790	42,330	36,520	39,640
5	5,170	16,080	20,170	24,370	28,160	31,310	32,540	30,800	43,020	42,130	36,370	39,900
6	10,210	16,190	20,300	24,500	28,410	31,410	32,560	31,750	43,120	41,910	36,590	40,140
7	14,400	16,320	20,450	24,630	28,570	31,550	32,410	30,690	43,150	41,720	36,690	40,310
8	15,190	16,450	20,550	24,750	28,700	31,640	32,360	30,600	43,270	41,640	36,620	40,430
9	15,480	16,560	20,680	24,890	28,810	31,730	32,270	30,470	43,470	41,500	36,540	40,450
10	15,690	16,680	20,780	25,020	28,890	31,890	32,180	30,360	43,780	41,330	36,440	40,620
11	15,780	16,810	20,930	25,160	28,910	31,930	32,110	30,360	43,870	41,250	36,440	40,730
12	15,820	16,920	21,070	25,300	29,100	32,020	32,050	30,600	43,950	41,200	36,350	40,920
13	15,860	17,000	21,190	25,380	29,320	32,070	31,980	31,090	43,670	41,060	36,240	40,950
14	15,860	17,290	21,320	25,510	29,380	32,120	31,890	31,550	43,410	40,920	36,790	40,950
15	15,860	17,460	21,420	25,620	29,460	32,240	31,860	32,610	43,180	40,800	37,630	40,890
16	15,850	17,610	21,580	25,730	29,520	32,580	31,800	33,350	43,150	40,640	37,660	40,730
17	15,850	17,760	21,680	25,860	29,630	32,700	31,800	34,060	43,210	40,420	37,630	40,620
18	15,830	17,790	21,810	25,980	29,720	32,840	31,840	35,110	43,320	40,300	37,580	40,480
19	15,790	18,140	21,930	26,080	29,890	32,970	31,800	36,060	43,410	40,110	38,560	40,370
20	15,720	18,300	22,050	26,240	30,000	33,070	31,730	36,840	43,550	39,930	39,180	40,240
21	15,680	18,420	22,160	26,360	30,060	33,210	31,620	37,560	43,440	39,770	39,950	40,110
22	15,670	18,580	22,400	26,450	30,170	33,260	31,550	38,320	43,260	39,530	40,010	39,980
23	15,610	18,450	22,480	26,550	30,300	33,380	31,460	39,080	43,210	39,350	40,160	39,930
24	15,580	18,880	22,580	26,700	30,410	33,330	31,390	41,240	43,070	39,140	40,110	39,800
25	15,540	19,000	22,680	26,820	30,490	33,230	31,460	42,490	43,070	38,930	40,210	39,690
26	15,510	19,140	22,850	26,920	30,580	33,190	31,390	42,600	42,930	37,250	40,350	39,530
27	15,480	19,240	23,000	27,010	30,690	33,190	31,340	42,270	42,880	37,270	40,270	39,380
28	15,480	19,330	23,150	27,170	30,750	33,140	31,250	41,750	42,850	37,400	40,140	39,270
29	15,510	19,500	23,310	27,290	---	33,090	31,210	43,180	42,850	37,300	40,060	39,220
30	15,510	19,600	23,440	27,400	---	33,020	31,120	42,440	41,720	37,200	39,980	39,220
31	15,430	---	23,570	27,600	---	32,910	---	41,470	---	37,140	39,850	---
MAX	15,860	19,600	23,570	27,600	30,750	33,380	32,860	43,180	43,950	42,330	40,350	40,950
MIN	4,730	15,480	19,720	23,720	27,730	30,870	31,120	30,360	40,240	37,140	36,240	39,220
(+)	4,249.40	4,252.18	4,254.46	4,256.52	4,258.00	4,258.98	4,258.16	4,262.35	4,262.44	4,260.71	4,261.75	4,261.54
(++)	+10,530	+4,170	+3,970	+4,030	+3,150	+2,160	-1,790	+10,350	+250	-4,580	+2,710	-630
CAL YR	2004	MAX 23,570	MIN 2,050									
WTR YR	2005	MAX 43,950	MIN 4,730									

(+)Elevation, in feet, at end of month.

(++)Change in contents, in acre-feet.

08384500 PECOS RIVER BELOW SUMNER DAM, NM

LOCATION.--Lat 34°36'15", long 104°23'16", sec.2, T.4 N., R.24 E., DeBaca County, Hydrologic Unit 13060003, on left bank 1,200 ft downstream from Sumner Dam, 2.9 mi upstream from Salado Creek, 4.6 mi northeast of Guadalupe, 12.2 mi northwest of Fort Sumner, and at mile 701.7.

DRAINAGE AREA.--4,390 mi², approximately (contributing area).

PERIOD OF RECORD.--October 1912 to April 1926, August 1926 to current year. Monthly discharge only for some periods, published in WSP 1312. October 1944 to September 1974, published as "below Alamogordo Dam." Prior to October 1944, published as "near Guadalupe."

REVISED RECORDS.--WSP 1512: 1932. WSP 1632: 1942. WSP 1712: 1944.

GAGE.--Water-stage recorder with satellite telemetry and Parshall flume, with concrete control above top of flume. Elevation of gage is 4,142.99 ft above NGVD of 1929 (Bureau of Reclamation benchmark). Prior to Sept. 10, 1936, at site 1.5 mi upstream at different datum. Sept. 14, 1936, to Mar. 8, 1941, and June 11 to Sept. 21, 1941, at site 0.2 mi downstream at different datums.

REMARKS.--Records good. Flow regulated by Lake Sumner (station 08384000), 0.3 mi upstream, since August 1937 and Santa Rosa Lake (station 08382810), 55.5 mi upstream, since April 1980. Diversions for irrigation of about 12,500 acres, 1959 determination, upstream from station. Several observations of water temperature and specific conductance were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	1.7	12	6.9	18	14	95	96	1,120	98	98	93
2	80	1.6	15	6.9	17	12	95	95	585	98	99	94
3	81	2.0	16	6.9	18	12	95	94	419	98	99	94
4	81	8.0	16	7.1	18	12	95	94	419	98	91	93
5	34	7.6	16	7.2	18	12	95	97	419	98	86	93
6	0.50	8.2	12	6.6	18	12	95	99	428	98	86	93
7	0.50	10	6.6	6.4	18	11	95	102	272	97	87	93
8	0.52	9.7	6.6	6.4	17	11	96	102	157	98	82	94
9	0.59	9.3	6.6	6.5	15	11	96	101	157	97	79	96
10	8.9	11	6.6	6.6	15	12	97	100	157	97	83	95
11	81	12	6.6	6.6	16	12	97	99	166	97	88	95
12	81	12	6.6	8.4	17	12	97	102	224	98	89	96
13	81	12	6.6	9.6	18	11	97	103	255	98	89	96
14	81	12	6.6	9.6	18	11	97	103	211	98	91	96
15	81	12	6.6	9.6	18	11	98	104	157	100	84	97
16	82	12	6.6	9.7	18	11	99	103	128	102	80	96
17	82	10	9.7	9.6	18	11	100	103	122	105	80	95
18	97	9.1	12	9.7	18	12	100	104	122	106	80	94
19	102	9.2	12	9.7	18	11	101	104	138	106	80	95
20	100	9.2	12	9.8	18	11	101	104	161	110	79	96
21	100	9.4	12	13	19	11	102	104	168	115	79	96
22	101	9.5	8.0	15	19	11	102	105	142	115	85	96
23	101	9.5	4.0	15	19	67	99	107	118	115	91	96
24	101	9.6	6.3	15	19	96	98	109	103	114	91	96
25	101	9.6	6.3	15	19	95	98	1,040	99	108	92	95
26	101	9.7	6.3	15	19	95	98	1,530	99	99	92	95
27	102	9.7	6.6	15	19	95	98	1,530	99	97	92	95
28	102	9.6	6.7	15	19	95	98	1,520	99	91	91	96
29	102	9.6	6.6	15	---	94	98	1,530	98	87	91	96
30	102	9.6	6.6	15	---	95	97	1,520	98	87	92	95
31	65	---	6.8	17	---	95	---	1,510	---	93	94	---
TOTAL	2,314.01	274.4	274.9	324.8	501	1,081	2,929	12,614	6,940	3,118	2,720	2,850
MEAN	74.6	9.15	8.87	10.5	17.9	34.9	97.6	407	231	101	87.7	95.0
MAX	102	12	16	17	19	96	102	1,530	1,120	115	99	97
MIN	0.50	1.6	4.0	6.4	15	11	95	94	98	87	79	93
AC-FT	4,590	544	545	644	994	2,140	5,810	25,020	13,770	6,180	5,400	5,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2005, BY WATER YEAR (WY)

	127	34.5	14.6	20.5	33.8	230	254	338	427	308	284	264
MEAN	127	34.5	14.6	20.5	33.8	230	254	338	427	308	284	264
MAX	1,184	910	170	143	398	605	1,317	1,404	2,905	970	967	2,789
(WY)	(1942)	(1943)	(1942)	(1942)	(2000)	(1944)	(1942)	(1973)	(1937)	(1983)	(1994)	(1941)
MIN	29.7	0.21	0.09	0.18	0.22	2.05	45.6	61.5	58.2	47.4	50.9	36.7
(WY)	(1975)	(1989)	(1989)	(1994)	(1954)	(1948)	(1957)	(1956)	(2002)	(1991)	(1991)	(1972)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1937 - 2005

ANNUAL TOTAL	48,009.90	35,941.11	
ANNUAL MEAN	131	98.5	a195
HIGHEST ANNUAL MEAN			710
LOWEST ANNUAL MEAN			91.9
HIGHEST DAILY MEAN	1,400	Mar 4	26,400
LOWEST DAILY MEAN	0.00	Apr 4	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 4	0.00
MAXIMUM PEAK FLOW			b42,800
MAXIMUM PEAK STAGE			13.58
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	95,230	71,290	141,600
10 PERCENT EXCEEDS	105	108	740
50 PERCENT EXCEEDS	81	91	84
90 PERCENT EXCEEDS	6.6	7.2	0.51

a Average discharge for 23 years (water years 1913-25, 1927-36), 236 ft³/s, 171,000 acre-ft/yr, prior to completion of Sumner Dam.

b Discharge by computation of flow over spillway and through outlet gates of Sumner Dam by Bureau of Reclamation.

08385000 FORT SUMNER MAIN CANAL NEAR FORT SUMNER, NM

LOCATION.--Lat 34°30'30", long 104°16'40", in SE 1/4 SW 1/4 SW 1/4 sec.1, T.3 N., R.25 E., DeBaca County, Hydrologic Unit 13060003, on right bank of concrete canal, 200 ft downstream from diversion dam on Pecos River, 3.25 mi northwest of Fort Sumner, and at Pecos River mile 685.8.

PERIOD OF RECORD.--March 1939 to February 1943 (published in WSP 1732), April 1954 to current year (monthly discharge only prior to October 1965).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,034.7 ft above NGVD of 1929 (Bureau of Reclamation benchmark). Prior to Mar. 1954, at site 2.4 mi downstream at different datum. Apr. 1954 to Mar. 1965, at site 1.1 mi downstream at datum 1.7 ft lower.

REMARKS.--Records good. Canal diverts water from Pecos River for irrigation of about 6,600 acres, 1961 determination, by the Fort Sumner Irrigation District. Several observations of water temperature were made during the year. No flow many days each year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	0.00	0.00	0.00	0.00	0.00	87	85	0.03	85	81	77
2	80	0.00	0.00	0.00	0.00	0.00	86	86	0.00	85	78	77
3	78	0.00	0.00	0.00	0.00	0.00	86	86	0.00	85	78	78
4	77	0.00	0.00	0.00	0.00	0.00	85	78	0.00	86	77	79
5	39	0.00	0.00	0.00	0.00	0.00	86	81	0.23	86	76	79
6	0.00	0.00	0.00	0.00	0.00	0.00	86	93	0.00	86	75	79
7	0.00	0.00	0.00	0.00	0.00	0.00	87	94	21	86	73	79
8	0.00	0.00	0.00	0.00	0.00	0.00	86	95	90	87	73	78
9	0.00	0.00	0.00	0.00	0.00	0.00	78	94	100	88	71	74
10	0.00	0.00	0.00	0.00	0.00	0.00	87	95	100	85	71	79
11	40	0.00	0.00	0.00	0.00	0.00	88	95	99	83	73	79
12	72	0.00	0.00	0.00	0.00	0.00	87	95	100	83	73	79
13	73	0.00	0.00	0.00	0.00	0.00	87	95	100	83	56	79
14	74	0.00	0.00	0.00	0.00	0.00	87	95	100	83	79	79
15	73	0.00	0.00	0.00	0.00	0.00	88	95	98	83	79	79
16	74	0.00	0.00	0.00	0.00	0.00	88	90	95	82	77	79
17	74	0.00	0.00	0.00	0.00	0.00	88	90	93	92	78	79
18	74	0.00	0.00	0.00	0.00	0.00	89	90	93	91	75	79
19	74	0.00	0.00	0.00	0.00	0.00	88	90	93	91	74	79
20	73	0.00	0.00	0.00	0.00	0.00	88	90	94	91	73	79
21	73	0.00	0.00	0.00	0.00	0.00	88	90	95	92	73	78
22	73	0.00	0.00	0.00	0.00	0.00	89	90	93	91	71	79
23	73	0.00	0.00	0.00	0.00	0.00	89	90	90	91	69	79
24	73	0.00	0.00	0.00	0.00	60	88	89	89	91	70	79
25	73	0.00	0.00	0.00	0.00	89	90	92	87	91	70	79
26	73	0.00	0.00	0.00	0.00	89	86	14	87	90	69	78
27	73	0.00	0.00	0.00	0.00	89	85	1.0	86	89	68	79
28	74	0.00	0.00	0.00	0.00	88	84	0.43	85	86	67	79
29	74	0.00	0.00	0.00	---	87	84	0.30	85	84	62	80
30	75	0.00	0.00	0.00	---	88	84	1.3	85	82	76	79
31	55	---	0.00	0.00	---	88	---	0.06	---	82	76	---
TOTAL	1,847.00	0.00	0.00	0.00	0.00	678.00	2,599	2,280.09	2,158.26	2,690	2,261	2,358
MEAN	59.6	0.00	0.00	0.00	0.00	21.9	86.6	73.6	71.9	86.8	72.9	78.6
MAX	83	0.00	0.00	0.00	0.00	89	90	95	100	92	81	80
MIN	0.00	0.00	0.00	0.00	0.00	0.00	78	0.06	0.00	82	56	74
AC-FT	3,660	0.00	0.00	0.00	0.00	1,340	5,160	4,520	4,280	5,340	4,480	4,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	68.7	0.75	0.36	6.50	8.03	57.2	75.6	78.7	84.4	81.1	78.0	74.5																																																							
MAX	98.0	3.57	19.6	43.5	56.4	95.8	98.6	105	108	108	99.9	101																																																							
(WY)	(1974)	(1983)	(1940)	(1967)	(2000)	(1988)	(1987)	(1989)	(1973)	(1942)	(1955)	(1955)																																																							
MIN	0.00	0.00	0.00	0.00	0.00	0.00	35.4	0.00	46.8	29.6	31.3	1.33																																																							
(WY)	(1942)	(1942)	(1941)	(1940)	(1940)	(1942)	(1942)	(1942)	(1941)	(1972)	(1990)	(1942)																																																							

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1939 - 2005

ANNUAL TOTAL	17,642.26	16,871.35	
ANNUAL MEAN	48.2	46.2	
HIGHEST ANNUAL MEAN			51.7
LOWEST ANNUAL MEAN			62.9
HIGHEST DAILY MEAN			25.3
LOWEST DAILY MEAN			1942
HIGHEST SEVEN-DAY MEAN	107	Sep 22	100
LOWEST SEVEN-DAY MEAN	0.00	Jan 1	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			120
MAXIMUM PEAK STAGE			5.77
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	34,990	33,460	37,460
10 PERCENT EXCEEDS	92	90	97
50 PERCENT EXCEEDS	72	73	73
90 PERCENT EXCEEDS	0.00	0.00	0.00

08385503 SAND GATE DIVERSION FROM FORT SUMNER CANAL AT FORT SUMNER, NM

LOCATION.--Lat 34°28'33", long 104°15'30", in SW ¼ NE ¼ NW ¼ sec.19, T.3 N., R.26 E., DeBaca County, Hydrologic Unit 13060003, 100 ft west of Highway 20 at the south edge of Fort Sumner.

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,020 ft above NGVD of 1929.

REMARKS.--Records good except for those estimated, which are poor. Canal diverts water from Fort Sumner Main Canal back to the Pecos River. Several observations of water temperature were made during the year. No flow for many days each year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	0.19	e0.00	e0.00	e0.00	0.00	e9.0	11	3.8	11	14	13
2	25	0.00	e0.00	e0.00	e0.00	0.00	e9.0	11	1.3	11	14	14
3	24	0.00	e0.00	e0.00	e0.00	0.00	e9.1	11	0.00	11	14	14
4	20	0.00	e0.00	e0.00	e0.00	0.00	e9.1	11	0.00	11	15	14
5	17	0.00	e0.00	e0.00	e0.00	0.00	e9.1	11	1.0	11	14	14
6	0.48	0.00	e0.00	e0.00	e0.00	0.00	e9.0	11	0.00	13	14	13
7	0.00	0.00	e0.00	e0.00	e0.00	0.00	7.8	12	12	11	13	13
8	0.00	0.00	e0.00	e0.00	e0.00	0.00	11	12	23	14	13	12
9	0.00	0.00	e0.00	e0.00	0.00	0.00	11	12	11	e12	16	12
10	0.00	0.00	e0.00	e0.00	0.00	0.00	11	12	11	11	17	12
11	12	0.00	e0.00	e0.00	0.00	0.00	11	e10	11	12	13	12
12	24	0.00	e0.00	e0.00	0.00	0.00	11	0.00	12	12	17	12
13	28	0.00	e0.00	e0.00	0.00	0.00	11	7.0	12	12	11	12
14	27	0.00	e0.00	e0.00	0.00	0.00	11	11	12	12	e22	14
15	27	0.00	e0.00	e0.00	0.00	0.00	11	11	11	12	e65	17
16	27	0.00	e0.00	e0.00	0.00	0.00	11	11	11	12	e62	15
17	27	0.00	e0.00	e0.00	0.00	0.00	11	11	11	13	e32	14
18	29	0.00	e0.00	e0.00	0.00	0.00	11	11	11	13	18	14
19	31	0.00	e0.00	e0.00	0.00	0.00	11	11	11	12	13	15
20	18	0.00	e0.00	e0.00	0.00	0.00	11	11	11	12	13	15
21	27	0.00	e0.00	e0.00	0.00	0.00	11	11	11	13	13	15
22	30	0.00	e0.00	e0.00	0.00	0.00	11	11	11	12	13	15
23	20	0.00	e0.00	e0.00	0.00	0.00	11	11	11	12	13	15
24	13	0.00	e0.00	e0.00	0.00	e6.0	11	13	11	12	13	15
25	12	0.00	e0.00	e0.00	0.00	e9.0	11	19	11	12	13	15
26	11	0.00	e0.00	e0.00	0.00	e9.0	11	13	13	13	13	15
27	11	e0.00	e0.00	e0.00	0.00	e9.0	11	6.5	11	13	13	15
28	11	e0.00	e0.00	e0.00	0.00	e9.0	11	5.5	11	14	13	15
29	11	e0.00	e0.00	e0.00	---	e9.0	11	5.2	11	14	12	8.6
30	11	e0.00	e0.00	e0.00	---	e9.0	11	6.4	11	14	13	0.43
31	19	---	e0.00	e0.00	---	e9.0	---	4.5	---	14	13	---
TOTAL	538.48	0.19	0.00	0.00	0.00	69.00	315.1	314.10	288.10	381	552	400.03
MEAN	17.4	0.01	0.00	0.00	0.00	2.23	10.5	10.1	9.60	12.3	17.8	13.3
MAX	31	0.19	0.00	0.00	0.00	9.0	11	19	23	14	65	17
MIN	0.00	0.00	0.00	0.00	0.00	0.00	7.8	0.00	0.00	11	11	0.43
AC-FT	1,070	0.4	0.00	0.00	0.00	137	625	623	571	756	1,090	793

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005
MEAN	17.4	0.01	0.00	0.00	0.00	0.00	9.10	9.29	13.7	12.9	12.7	13.2
MAX	17.4	0.01	0.00	0.00	0.00	0.00	16.0	10.5	17.4	16.2	13.1	13.3
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)	(2005)	(2005)
MIN	17.4	0.01	0.00	0.00	0.00	0.00	2.23	8.07	10.1	9.60	12.3	13.0
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)	(2004)	(2004)

SUMMARY STATISTICS

	FOR 2005 WATER YEAR	WATER YEARS 2004 - 2005
ANNUAL TOTAL	2,858.00	
ANNUAL MEAN	7.83	7.83
HIGHEST ANNUAL MEAN		7.83 2005
LOWEST ANNUAL MEAN		7.83 2005
HIGHEST DAILY MEAN	65	65 Aug 15, 2005
LOWEST DAILY MEAN	0.00	0.00 Oct 7, 2004
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00 Nov 2, 2004
MAXIMUM PEAK FLOW	67	67 Aug 16, 2005
MAXIMUM PEAK STAGE	2.89	2.89 Aug 16, 2005
INSTANTANEOUS LOW FLOW	0.00	0.00 Nov 13, 2004
ANNUAL RUNOFF (AC-FT)	5,670	5,670
10 PERCENT EXCEEDS	15	15
50 PERCENT EXCEEDS	11	11
90 PERCENT EXCEEDS	0.00	0.00

e Estimated

08385522 PECOS RIVER BELOW TAIBAN CREEK NEAR FORT SUMNER, NM

LOCATION.--Lat 34°19'56", long 104°10'52", in NW ¼ NE ¼ sec.11, T.1 N., R.26 E., DeBaca County, Hydrologic Unit 13060003, on left bank 0.6 mi downstream from Taiban Creek, 11.0 mi southeast of Fort Sumner, and at mile 665.7.

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,910 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for those estimated, which are poor. Flow partly regulated by Sumner Dam (station 08384000), 23 mi upstream. Diversion for irrigation of about 19,100 acres (1959 determination) upstream from station. Discharge in general represents return flow from irrigated areas in Fort Sumner Irrigation Project.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	101	25	21	30	29	48	25	e1,230	61	49	56
2	119	e56	24	21	30	29	39	29	788	66	50	166
3	90	46	25	21	30	26	36	31	467	57	51	72
4	74	43	30	26	30	24	42	33	447	55	49	70
5	e2,300	39	32	23	32	23	40	38	443	59	47	70
6	e866	37	32	22	39	23	40	33	443	63	44	77
7	178	35	32	21	38	22	34	31	424	57	42	66
8	133	34	27	21	37	21	39	35	224	58	39	62
9	111	33	24	21	36	21	43	39	161	169	38	58
10	91	31	22	21	35	21	35	37	147	70	40	59
11	e85	31	22	21	34	20	37	37	143	60	37	61
12	e111	30	22	21	35	19	32	41	165	60	63	74
13	e115	33	22	21	35	19	31	39	231	60	163	60
14	116	34	21	21	34	19	30	43	239	55	177	58
15	119	33	21	21	34	23	31	69	196	56	91	62
16	111	32	22	22	34	24	30	62	135	59	86	63
17	111	31	21	23	33	22	29	48	107	54	83	67
18	114	32	21	23	33	21	34	45	97	57	101	62
19	115	32	22	23	34	21	34	48	91	58	58	63
20	101	31	23	24	33	20	30	44	104	53	55	63
21	95	32	25	24	32	20	32	42	140	57	53	62
22	90	32	26	23	32	19	30	43	149	57	72	58
23	83	32	26	24	31	18	32	44	104	57	51	57
24	78	30	27	26	31	21	32	41	84	58	46	59
25	73	29	27	26	31	57	40	240	76	57	49	60
26	70	28	27	27	30	45	35	e1,180	72	54	53	55
27	63	26	27	28	30	45	30	e1,320	74	80	52	51
28	63	26	26	29	30	49	28	e1,400	68	56	51	52
29	79	25	24	28	---	39	27	e1,330	64	52	56	58
30	70	25	21	29	---	34	26	e1,400	67	46	50	51
31	99	---	21	30	---	40	---	e1,370	---	45	52	---
TOTAL	6,098	1,059	767	732	923	834	1,026	9,217	7,180	1,906	1,948	1,952
MEAN	197	35.3	24.7	23.6	33.0	26.9	34.2	297	239	61.5	62.8	65.1
MAX	2,300	101	32	30	39	57	48	1,400	1,230	169	177	166
MIN	63	25	21	21	30	18	26	25	64	45	37	51
AC-FT	12,100	2,100	1,520	1,450	1,830	1,650	2,040	18,280	14,240	3,780	3,860	3,870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	164	60.8	33.4	34.0	85.2	177	86.1	229	355	226	275	182		
MAX	370	353	58.9	62.6	355	457	497	655	971	680	884	582		
(WY)	(1994)	(1998)	(1996)	(1996)	(2000)	(1998)	(1993)	(2001)	(1995)	(1993)	(1994)	(1998)		
MIN	53.4	24.5	18.7	14.7	15.1	26.9	26.8	17.3	21.2	31.2	23.1	27.0		
(WY)	(2002)	(1997)	(1997)	(1997)	(1993)	(2005)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)		

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	45,405		33,642			
ANNUAL MEAN	124		92.2		159	
HIGHEST ANNUAL MEAN					253	
LOWEST ANNUAL MEAN					68.5	
HIGHEST DAILY MEAN	2,300	Oct 5	2,300	Oct 5	2,300	Oct 5, 2004
LOWEST DAILY MEAN	18	Jul 15	18	Mar 23	8.2	Jun 19, 2002
ANNUAL SEVEN-DAY MINIMUM	19	Jul 14	20	Mar 8	9.7	Jun 10, 2002
MAXIMUM PEAK FLOW			6,500	Oct 5	6,500	Oct 5, 2004
MAXIMUM PEAK STAGE			9.45	Oct 5	9.45	Oct 5, 2004
INSTANTANEOUS LOW FLOW			18	Mar 23	6.9	Jan 4, 1997
ANNUAL RUNOFF (AC-FT)	90,060		66,730		115,000	
10 PERCENT EXCEEDS	115		117		468	
50 PERCENT EXCEEDS	41		40		47	
90 PERCENT EXCEEDS	25		22		21	

e Estimated

08385630 PECOS RIVER NEAR DUNLAP, NM

LOCATION.--Lat 34°03'48", long 104°18'24", in SE 1/4 NW 1/4 sec.10, T.3 S., R.25 E., DeBaca County, Hydrologic Unit 13060003, on left bank 1.2 mi south of Van Eaton Ranch, 2.5 mi upstream from Arroyo de la Mora, 2.7 mi downstream from Blanco Canyon, 15 mi east of Dunlap, and at mile 638.1

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,760 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records fair except for those greater than 1,000 ft³/s and for those estimated, which are poor. Flow partly regulated by Lake Sumner (station 08384000). Diversion for irrigation of about 19,100 acres (1959 determination) upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	735	98	34	23	33	32	37	34	e1,080	62	41	53
2	317	97	33	23	33	32	46	33	901	57	42	355
3	260	74	32	23	33	32	44	37	663	59	43	253
4	229	64	32	36	33	31	40	38	518	48	49	126
5	891	59	37	31	35	29	41	38	499	48	47	106
6	e2,350	55	36	26	46	29	42	40	495	64	43	95
7	e1,050	51	36	25	44	28	41	34	488	59	40	91
8	e600	49	34	24	39	28	40	31	418	49	36	77
9	e300	47	32	24	37	27	39	34	254	49	33	67
10	e240	45	29	24	37	26	40	37	196	138	31	59
11	e170	43	28	25	38	25	40	39	174	93	31	56
12	e140	43	28	24	40	25	40	32	162	78	35	53
13	e134	55	27	24	37	24	38	34	176	70	109	61
14	e130	57	26	24	35	26	36	33	232	67	332	49
15	127	56	26	25	35	34	36	93	227	61	e200	45
16	124	52	26	25	35	37	36	e88	196	60	160	46
17	118	46	25	26	36	33	36	e73	149	59	130	48
18	116	43	24	27	37	31	35	60	124	57	120	54
19	115	40	24	27	38	30	36	55	110	56	125	53
20	117	39	24	28	38	29	37	55	101	55	82	54
21	106	41	26	28	36	28	33	50	107	50	107	54
22	101	43	29	27	36	27	35	e48	131	52	106	52
23	95	45	30	27	36	27	34	e47	138	52	78	50
24	94	41	36	28	35	26	38	e45	105	50	61	50
25	92	38	41	29	36	26	40	41	88	51	54	51
26	91	36	67	30	36	46	43	e695	82	56	52	52
27	84	34	37	32	35	42	41	e968	79	57	52	49
28	78	34	28	34	33	41	33	e1,190	74	64	49	45
29	74	34	25	33	---	45	32	e1,120	66	52	49	45
30	84	32	24	32	---	37	33	e1,220	60	48	47	53
31	81	---	23	32	---	33	---	e1,160	---	43	43	---
TOTAL	9,243	1,491	959	846	1,022	966	1,142	7,502	8,093	1,864	2,427	2,302
MEAN	298	49.7	30.9	27.3	36.5	31.2	38.1	242	270	60.1	78.3	76.7
MAX	2,350	98	67	36	46	46	46	1,220	1,080	138	332	355
MIN	74	32	23	23	33	24	32	31	60	43	31	45
AC-FT	18,330	2,960	1,900	1,680	2,030	1,920	2,270	14,880	16,050	3,700	4,810	4,570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	159	64.5	33.3	34.7	81.0	177	54.0	221	352	192	272	174	174
MAX	369	305	49.5	62.6	315	403	120	728	918	514	837	550	550
(WY)	(1994)	(1998)	(1996)	(1996)	(2000)	(2002)	(1999)	(2001)	(1995)	(1998)	(1994)	(1998)	(1998)
MIN	43.6	27.6	13.8	14.3	13.3	25.3	20.8	12.8	48.1	51.5	14.9	17.7	17.7
(WY)	(2002)	(2004)	(1997)	(1994)	(1997)	(2003)	(2003)	(2002)	(2004)	(2003)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1993 - 2005	
ANNUAL TOTAL	50,725		37,857			
ANNUAL MEAN	139		104			
HIGHEST ANNUAL MEAN					152	
LOWEST ANNUAL MEAN					243	1995
HIGHEST DAILY MEAN	2,350	Oct 6	2,350	Oct 6	70.8	2003
LOWEST DAILY MEAN	18	Jun 23	23	Dec 31	0.19	Oct 6, 2002
ANNUAL SEVEN-DAY MINIMUM	21	Jun 17	24	Dec 28	2.8	Jun 7, 2002
MAXIMUM PEAK FLOW			2,890	Oct 6	6,470	Jun 20, 2002
MAXIMUM PEAK STAGE			5.15	Oct 6	5.15	Oct 6, 2004
INSTANTANEOUS LOW FLOW			21	Jan 2	0.00	Jun 20, 2002
ANNUAL RUNOFF (AC-FT)	100,600		75,090		110,100	
10 PERCENT EXCEEDS	199		165		487	
50 PERCENT EXCEEDS	42		43		46	
90 PERCENT EXCEEDS	25		27		19	

e Estimated

08386000 PECOS RIVER NEAR ACME, NM

LOCATION.--Lat 33°32'10", long 104°22'34", in SW 1/4 NW 1/4 sec.14, T.9 S., R.25 E., Chaves County, Hydrologic Unit 13060007, on right bank 3.0 mi downstream from U.S. Highway 70, 3.7 mi downstream from Salt Creek, 4.7 mi southwest of Acme, 14 mi northeast of Roswell, and at mile 585.3.

DRAINAGE AREA.--11,380 mi², approximately (contributing area).

PERIOD OF RECORD.--September 1921 to June 1923, July 1937 to current year. Monthly discharge only for some periods, published in WSP 1312.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,510 ft above NGVD of 1929, from topographic map. Prior to Nov. 1, 1938, at site on highway bridge 3 mi upstream at various datums. Since Oct. 25, 1963, supplemental water-stage recorder at site opposite base gage at same datum.

REMARKS.--Records fair except for those estimated, which are poor. Flow regulated by Lake Sumner (station 08384000) 117 mi upstream since August 1937 and Santa Rosa Lake (station 08382810) 172 mi upstream since April 1980. Diversions for irrigation of about 20,000 acres, 1959 determination, upstream from station. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 28, 1937, reached a discharge of 53,000 ft³/s, gage height, 14.82 ft, from floodmarks, site and datum then in use, from slope-area measurement, but may have been exceeded by the flood of Oct. 1, 1904.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,070	e62	e37	28	27	34	34	26	1,500	38	e37	32
2	e743	e62	e36	26	28	34	30	24	1,520	33	e35	358
3	e493	e66	e36	27	28	33	31	25	1,060	31	31	232
4	e318	e70	e35	35	28	32	37	28	781	26	30	282
5	1,140	e67	e38	38	29	32	34	30	775	26	74	93
6	4,190	e64	e35	40	37	32	30	31	722	28	58	66
7	2,390	e62	e39	37	39	31	29	29	678	28	40	63
8	487	e58	41	31	41	31	31	28	642	30	32	59
9	230	53	38	28	40	30	29	26	469	31	27	58
10	e174	49	36	27	38	29	29	21	258	22	23	52
11	e154	45	36	25	38	27	28	19	202	22	20	49
12	e149	42	34	22	38	25	29	20	175	83	18	47
13	e123	53	31	21	38	23	31	25	158	39	33	46
14	e107	62	30	21	37	22	29	21	151	27	206	44
15	e102	69	29	20	36	26	29	32	e300	22	514	49
16	e98	66	28	20	35	29	27	37	e250	20	257	44
17	e97	62	27	20	35	32	27	69	e206	17	124	43
18	e95	57	27	21	35	33	28	66	165	15	84	45
19	e93	53	27	22	35	31	27	49	128	14	72	63
20	e90	50	26	22	36	28	25	39	102	13	78	50
21	e88	51	26	21	35	23	25	34	98	11	73	48
22	e86	60	29	21	35	20	27	31	84	11	61	47
23	e82	84	31	21	35	19	25	28	87	10	88	45
24	e71	73	22	20	35	18	25	26	116	9.0	57	39
25	e77	63	19	18	36	17	28	26	107	9.6	64	37
26	e82	56	22	19	35	17	28	68	72	28	42	35
27	e78	50	34	23	35	17	30	1,300	60	1,540	37	34
28	e74	46	40	26	35	24	30	1,860	54	170	34	35
29	e70	e41	49	28	---	38	31	1,380	47	88	48	30
30	e64	e40	37	28	---	34	30	1,720	43	e60	45	31
31	e64	---	31	27	---	36	---	1,670	---	e50	34	---
TOTAL	13,179	1,736	1,006	783	979	857	873	8,788	11,010	2,551.6	2,376	2,156
MEAN	425	57.9	32.5	25.3	35.0	27.6	29.1	283	367	82.3	76.6	71.9
MAX	4,190	84	49	40	41	38	37	1,860	1,520	1,540	514	358
MIN	64	40	19	18	27	17	25	19	43	9.0	18	30
AC-FT	26,140	3,440	2,000	1,550	1,940	1,700	1,730	17,430	21,840	5,060	4,710	4,280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	151	59.0	27.3	26.5	34.5	167	191	275	306	302	256	282
MAX	2,200	858	236	190	375	595	1,217	2,680	2,186	1,611	813	3,527
(WY)	(1942)	(1943)	(1942)	(1942)	(2000)	(1941)	(1942)	(1941)	(1941)	(1960)	(1997)	(1941)
MIN	0.00	0.00	0.00	0.00	0.00	0.16	3.58	1.81	0.00	0.19	0.90	0.00
(WY)	(1948)	(1948)	(1948)	(1948)	(1953)	(1954)	(1967)	(1946)	(1947)	(1954)	(1947)	(1947)

RIO GRANDE BASIN

08386000 PECOS RIVER NEAR ACME, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	50,709.68		46,294.6			
ANNUAL MEAN	139		127		174	
HIGHEST ANNUAL MEAN					964 1941	
LOWEST ANNUAL MEAN					47.5 2003	
HIGHEST DAILY MEAN	4,190	Oct 6	4,190	Oct 6	29,500	Sep 23, 1941
LOWEST DAILY MEAN	0.00	Jul 17	9.0	Jul 24	0.00	May 23, 1938
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 17	11	Jul 19	0.00	May 23, 1938
MAXIMUM PEAK FLOW			5,040	Oct 6	a45,000	Sep 23, 1941
MAXIMUM PEAK STAGE			8.30	Oct 6	13.71	Sep 23, 1941
INSTANTANEOUS LOW FLOW			8.5	Jul 24	0.00	Jul 26, 2003
ANNUAL RUNOFF (AC-FT)	100,600		91,830		125,900	
10 PERCENT EXCEEDS	233		174		657	
50 PERCENT EXCEEDS	36		36		26	
90 PERCENT EXCEEDS	7.9		22		1.0	

a From rating curve extended above 27,000 ft³/s.

e Estimated

08386505 RIO RUIDOSO AT RUIDOSO, NM

LOCATION.--Lat 33°21'15", long 105°43'34", in SW 1/4 SW 1/4 NW 1/4, sec.19, T.11 S., R.13 E., Lincoln County, Hydrologic Unit 13060008, on right bank at Village of Ruidoso, 2.6 mi to State Road 48, and 6.2 mi west of U.S. Highway 70.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,160 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	5.8	3.6	20	9.2	14	13	36	23	2.8	1.5	6.2
2	1.6	5.0	3.5	18	8.6	14	14	37	20	2.4	1.5	20
3	1.4	3.5	3.7	19	7.5	13	18	41	17	2.2	1.4	25
4	1.7	3.3	3.8	79	8.2	13	21	45	16	2.2	1.4	22
5	1.9	3.1	4.4	57	7.9	14	26	44	14	2.2	1.7	39
6	2.3	3.1	3.3	34	7.6	15	28	50	13	2.2	1.8	97
7	2.4	4.0	3.7	26	7.2	15	35	61	11	2.0	2.0	97
8	2.3	4.1	3.6	20	6.8	16	48	51	10	1.9	2.7	68
9	2.3	4.0	3.4	17	6.7	17	52	45	9.6	1.9	2.8	46
10	2.2	3.7	3.6	15	6.7	19	49	46	8.9	1.8	2.5	34
11	5.0	3.3	4.0	14	13	26	39	49	8.3	1.7	2.0	27
12	4.2	3.1	4.8	12	110	33	32	47	7.6	1.8	5.6	22
13	3.6	3.0	6.4	11	97	36	32	43	7.1	1.8	6.7	18
14	3.7	2.9	6.8	10	58	38	42	41	6.7	2.2	9.3	15
15	3.2	3.3	7.1	9.3	42	36	65	43	6.5	2.1	8.1	13
16	2.9	3.8	6.8	8.7	34	30	77	42	6.4	3.7	5.7	11
17	2.7	4.0	5.5	8.5	30	26	85	45	5.8	4.1	4.5	9.7
18	2.7	4.1	5.4	8.5	28	23	92	43	5.5	2.8	4.8	8.6
19	2.6	4.5	5.3	8.9	30	21	90	40	5.1	2.8	4.6	7.9
20	2.3	4.8	5.3	9.9	32	19	73	43	5.2	2.6	4.6	7.0
21	2.5	4.8	5.0	11	29	18	64	48	5.3	2.0	4.5	6.2
22	4.2	5.0	4.4	12	26	16	59	51	4.6	2.0	5.0	5.7
23	3.5	5.0	3.5	11	24	15	60	49	4.2	1.9	6.0	5.3
24	3.0	4.5	3.6	11	22	15	64	44	4.0	2.0	8.3	4.7
25	4.1	4.3	4.6	12	20	14	54	40	3.9	1.9	6.2	4.3
26	6.1	4.3	4.4	12	18	14	43	36	3.9	1.9	5.8	4.0
27	5.9	4.0	4.3	14	16	13	38	36	3.5	3.4	5.2	3.7
28	6.0	4.0	4.2	12	15	13	37	35	3.2	2.1	5.0	3.3
29	5.9	3.1	5.0	11	---	14	38	32	2.9	1.7	4.6	3.6
30	5.8	2.9	28	11	---	14	37	29	2.8	1.7	4.1	3.1
31	5.7	---	25	9.2	---	13	---	25	---	1.7	3.8	---
TOTAL	105.9	118.3	186.0	532.0	720.4	597	1,425	1,317	245.0	69.5	133.7	637.3
MEAN	3.42	3.94	6.00	17.2	25.7	19.3	47.5	42.5	8.17	2.24	4.31	21.2
MAX	6.1	5.8	28	79	110	38	92	61	23	4.1	9.3	97
MIN	1.4	2.9	3.3	8.5	6.7	13	13	25	2.8	1.7	1.4	3.1
AC-FT	210	235	369	1,060	1,430	1,180	2,830	2,610	486	138	265	1,260
CAL YR	2004	TOTAL 2,477.55	MEAN 6.77	MAX 49	MIN 0.48	AC-FT 4,910						
WTR YR	2005	TOTAL 6,087.1	MEAN 16.7	MAX 110	MIN 1.4	AC-FT 12,070						

08387000 RIO RUIDOSO AT HOLLYWOOD, NM

LOCATION.--Lat 33°19'36", long 105°37'40", in SE 1/4 SE 1/4 NE 1/4 sec.25, T.11 S., R.13 E., Lincoln County, Hydrologic Unit 13060008, on center pier on downstream side of bridge on Frieden Bloom Street in Hollywood, 0.1 mi north of U.S. Highway 70, 0.7 mi downstream from Gavilan Canyon, 1.7 mi downstream from Carrizo Creek, and at mile 24.4.

DRAINAGE AREA.--120 mi², approximately.

PERIOD OF RECORD.--March 1953 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,420 ft above NGVD of 1929, from topographic map. Mar. 14, 1953, to Mar. 28, 1985, at site 0.95 mi downstream at different datum.

REMARKS.--Records good. Village of Ruidoso diverts from right bank 7.0 mi upstream for municipal use and returns a portion of this water as effluent from sewage disposal plant downstream from the gage.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Sept. 29, 1941, is probably the highest since at least 1904 (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	5.8	5.1	25	16	23	15	42	23	5.7	4.4	7.2
2	3.9	5.9	5.8	24	16	22	16	43	21	5.6	4.3	30
3	3.8	5.1	6.3	24	15	21	20	45	20	5.3	4.5	31
4	3.5	5.1	7.9	112	16	20	30	50	18	5.3	4.7	26
5	3.9	5.0	12	87	17	21	26	48	16	5.3	6.1	53
6	3.7	4.7	9.0	45	18	25	29	53	15	5.7	5.8	119
7	3.5	5.1	7.9	31	16	31	35	67	14	6.0	5.6	126
8	3.3	5.6	7.6	24	15	52	48	58	13	6.0	9.5	87
9	3.7	5.6	6.9	20	14	37	54	50	12	6.2	6.1	58
10	3.7	5.2	6.9	19	14	24	51	51	11	6.1	6.6	43
11	8.6	4.8	7.1	17	21	29	56	54	10	5.7	5.8	33
12	6.5	4.9	7.5	16	104	35	61	53	9.7	5.7	7.3	27
13	8.4	5.9	8.7	15	122	41	35	49	9.3	5.6	12	23
14	5.4	6.2	9.2	14	80	44	43	46	9.0	5.9	17	19
15	4.4	6.3	9.7	14	67	45	70	49	8.4	6.1	12	17
16	4.1	6.3	9.4	13	83	48	87	47	8.0	5.8	9.0	14
17	4.0	6.0	8.4	12	78	67	95	49	7.6	9.2	7.5	13
18	4.2	5.9	8.2	12	75	46	98	47	7.0	6.2	10	12
19	4.2	6.5	8.1	13	59	26	94	43	6.6	5.2	9.0	11
20	3.9	7.7	8.3	14	47	24	75	45	6.6	5.0	8.7	10
21	3.8	7.5	8.1	15	41	22	64	50	7.1	4.6	13	9.3
22	5.3	8.8	8.3	16	36	20	58	56	6.5	4.4	8.3	8.8
23	5.4	8.1	5.9	16	35	19	59	56	6.3	4.0	9.9	8.1
24	4.8	6.7	6.3	16	45	30	68	51	6.1	4.0	14	7.5
25	6.5	6.5	6.4	16	44	41	56	45	6.1	4.1	9.2	6.9
26	7.1	6.4	7.2	17	46	19	62	40	6.5	4.4	9.5	6.8
27	6.1	6.1	8.1	20	27	18	56	42	6.2	7.0	8.3	6.4
28	6.6	6.4	8.5	18	25	18	41	40	5.9	5.8	8.7	6.3
29	5.3	6.4	9.1	17	---	18	43	35	5.7	5.2	7.5	6.6
30	5.6	4.9	32	17	---	18	43	31	5.4	5.0	6.5	6.5
31	4.4	---	30	16	---	16	---	26	---	4.7	5.9	---
TOTAL	152.3	181.4	289.9	735	1,192	920	1,588	1,461	307.0	170.8	256.7	832.4
MEAN	4.91	6.05	9.35	23.7	42.6	29.7	52.9	47.1	10.2	5.51	8.28	27.7
MAX	8.6	8.8	32	112	122	67	98	67	23	9.2	17	126
MIN	3.3	4.7	5.1	12	14	16	15	26	5.4	4.0	4.3	6.3
AC-FT	302	360	575	1,460	2,360	1,820	3,150	2,900	609	339	509	1,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	17.6	14.7	18.5	15.5	19.3	28.5	38.0	32.4	16.9	16.5	31.6	22.4													
MAX	80.8	69.0	130	61.5	58.6	91.2	104	101	52.3	49.9	162	63.4													
(WY)	(1987)	(1987)	(1985)	(1985)	(1985)	(1985)	(1992)	(1992)	(1986)	(1986)	(1984)	(1988)													
MIN	4.81	4.94	5.43	5.48	5.81	5.80	5.81	4.20	3.12	5.51	5.80	4.44													
(WY)	(2004)	(2004)	(2004)	(2004)	(2000)	(2002)	(2002)	(2002)	(2002)	(2005)	(2003)	(2003)													

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1982 - 2005

ANNUAL TOTAL	3,232.1	8,086.5	
ANNUAL MEAN	8.83	22.2	22.7
HIGHEST ANNUAL MEAN			49.7
LOWEST ANNUAL MEAN			6.03
HIGHEST DAILY MEAN	39	Apr 19	1,130
LOWEST DAILY MEAN	3.3	Oct 8	1.9
ANNUAL SEVEN-DAY MINIMUM	3.6	Oct 4	2.4
MAXIMUM PEAK FLOW			2,120
MAXIMUM PEAK STAGE			10.05
INSTANTANEOUS LOW FLOW			0.30
ANNUAL RUNOFF (AC-FT)	6,410	16,040	16,430
10 PERCENT EXCEEDS	18	53	48
50 PERCENT EXCEEDS	6.4	12	13
90 PERCENT EXCEEDS	4.7	5.0	6.3

08387600 EAGLE CREEK BELOW SOUTH FORK, NEAR ALTO, NM

LOCATION.--Lat 33°23'57", long 105°43'13", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.10 S., R.13 E., Lincoln County, Hydrologic Unit 13060008, in Lincoln National Forest on right bank 300 ft upstream from culvert under State Road 532, 400 ft downstream from South Fork, and 2.5 mi west of Alto. Mouth at Rio Ruidoso mi 11.3.

DRAINAGE AREA.--8.14 mi².

PERIOD OF RECORD.--August 1969 to December 1980, April 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,600 ft above NGVD of 1929, from topographic map. Aug. 26, 1969, to Dec. 31, 1980, at site 360 ft downstream at datum 6.0 ft higher.

REMARKS.--Records good. No diversions for irrigation upstream from station. Some water is stored in small unregulated recreational ponds on the Mescalero Apache Indian Reservation upstream. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.30	0.27	0.33	2.0	0.73	3.6	2.4	4.6	1.5	0.01	0.06	0.41
2	0.24	0.28	0.37	2.4	0.73	2.9	2.3	4.5	1.3	0.00	0.04	3.1
3	0.21	0.26	0.37	3.2	0.78	2.8	2.3	5.0	1.2	0.00	0.03	1.9
4	0.18	0.25	0.34	19	0.78	2.7	2.3	5.2	1.1	0.00	0.03	0.78
5	0.22	0.18	1.5	10	0.67	2.8	2.5	5.2	1.00	0.00	0.08	1.8
6	0.25	0.16	0.81	5.8	0.75	4.1	3.7	5.9	0.86	0.00	0.11	7.4
7	0.20	0.13	0.76	3.9	0.70	4.4	4.1	6.8	0.73	0.00	0.09	7.8
8	0.17	0.11	0.69	3.1	0.69	4.0	5.0	6.1	0.63	0.00	0.08	6.0
9	0.18	0.09	0.64	2.7	0.63	3.9	5.9	5.3	0.54	0.00	0.10	4.2
10	0.19	0.07	0.63	2.5	0.70	3.9	6.2	5.0	0.44	0.00	0.11	2.8
11	1.5	0.06	0.63	2.3	3.1	4.1	5.7	5.3	0.36	0.00	0.08	2.4
12	1.4	0.07	0.60	2.3	14	4.5	4.9	5.2	0.30	0.00	0.10	2.1
13	1.0	0.10	0.59	2.0	15	4.7	4.4	4.8	0.24	0.00	0.21	1.9
14	1.3	0.15	0.50	1.9	9.5	4.9	4.8	4.4	0.20	0.00	1.5	1.7
15	0.95	0.41	0.51	1.7	7.1	5.0	6.3	5.1	0.16	0.00	0.85	1.4
16	0.74	0.61	0.50	1.5	5.8	4.4	7.2	4.8	0.13	0.05	0.47	1.0
17	0.63	0.65	0.44	1.3	4.8	4.2	8.2	4.7	0.11	0.08	0.32	0.82
18	0.53	0.59	0.44	1.1	4.5	3.8	8.9	4.4	0.09	0.05	0.32	0.66
19	0.41	0.47	0.51	0.98	4.3	3.5	8.7	4.0	0.07	0.09	0.31	0.56
20	0.32	0.38	0.55	0.96	5.1	3.2	7.6	4.1	0.07	0.07	0.32	0.46
21	0.25	0.34	0.43	0.92	4.8	3.1	6.9	4.1	0.07	0.05	0.34	0.41
22	0.76	0.42	0.63	0.85	4.0	2.9	6.5	4.2	0.06	0.04	0.22	0.36
23	0.66	0.66	2.0	0.85	3.7	2.9	6.4	3.7	0.05	0.15	0.23	0.31
24	0.47	0.52	0.48	0.78	3.6	2.8	6.9	3.5	0.05	0.12	0.47	0.26
25	0.59	0.42	0.48	0.76	3.3	2.6	6.5	3.1	0.05	0.09	0.29	0.21
26	0.70	0.38	0.45	0.85	3.3	2.6	5.9	3.0	0.05	0.10	0.23	0.16
27	0.55	0.36	0.43	1.2	3.3	2.7	5.3	3.7	0.04	0.32	0.20	0.13
28	0.47	0.34	0.46	1.0	3.2	2.5	5.2	3.0	0.03	0.16	0.15	0.11
29	0.38	0.34	0.91	0.83	---	2.4	5.3	2.4	0.03	0.11	0.11	0.14
30	0.28	0.27	7.9	0.79	---	2.4	5.0	2.0	0.02	0.08	0.08	0.12
31	0.24	---	2.6	0.74	---	2.3	---	1.7	---	0.07	0.06	---
TOTAL	16.27	9.34	28.48	80.21	109.56	106.6	163.3	134.8	11.48	1.64	7.59	51.40
MEAN	0.52	0.31	0.92	2.59	3.91	3.44	5.44	4.35	0.38	0.05	0.24	1.71
MAX	1.5	0.66	7.9	19	15	5.0	8.9	6.8	1.5	0.32	1.5	7.8
MIN	0.17	0.06	0.33	0.74	0.63	2.3	2.3	1.7	0.02	0.00	0.03	0.11
AC-FT	32	19	56	159	217	211	324	267	23	3.3	15	102

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	1.90	1.53	1.62	1.33	1.86	3.24	4.28	3.40	1.13	1.62	3.22	2.94
MAX	14.4	17.3	19.5	7.89	8.19	10.6	14.0	15.8	5.94	5.50	16.3	9.26
(WY)	(1975)	(1979)	(1979)	(1979)	(1979)	(1979)	(1973)	(1973)	(1979)	(1990)	(1988)	(1974)
MIN	0.00	0.01	0.00	0.05	0.07	0.08	0.04	0.00	0.00	0.00	0.00	0.04
(WY)	(2004)	(2004)	(2004)	(2002)	(2000)	(2000)	(2002)	(1996)	(2003)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1970 - 2005

ANNUAL TOTAL	199.88		720.67			
ANNUAL MEAN	0.55		1.97			
HIGHEST ANNUAL MEAN					2.29	
LOWEST ANNUAL MEAN					8.48	1979
HIGHEST DAILY MEAN	7.9	Dec 30	19	Jan 4	170	Dec 19, 1978
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Jul 2	0.00	Jul 9, 1989
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Jul 2	0.00	Jun 17, 1990
MAXIMUM PEAK FLOW			34	Jan 4	206	Dec 19, 1978
MAXIMUM PEAK STAGE			6.61	Jan 4	6.87	Jul 30, 1997
INSTANTANEOUS LOW FLOW			0.00	Nov 11	0.00	Jul 9, 1989
ANNUAL RUNOFF (AC-FT)	396		1,430		1,660	
10 PERCENT EXCEEDS	1.2		5.2		6.1	
50 PERCENT EXCEEDS	0.22		0.73		0.85	
90 PERCENT EXCEEDS	0.00		0.07		0.07	

08390500 RIO HONDO AT DIAMOND A RANCH, NEAR ROSWELL, NM

LOCATION.--33°20'57", long 104°51'05", in NE ¼ NE ¼ sec.20, T.11 S., R.21 E., Chaves County, Hydrologic Unit 13060008, on right bank 40 ft downstream from bridge on Mossman Road at Diamond A Ranch farm, 1.3 mi south of U.S. Highway 70-380, 13 mi upstream from Two Rivers Reservoir, 21 mi upstream from mouth of Rocky Arroyo, 18 mi west of Roswell, and at mile 44.7.

DRAINAGE AREA.--947 mi² (contributing area).

PERIOD OF RECORD.--May 1908 to August 1909, May 1939 to current year. Monthly discharge only for 1908-9, published in Technical Report 7, State of New Mexico, State Engineer Office, "Streamflow and Reservoir Content, 1888-1954."

REVISED RECORDS.--WSP 1392: drainage area. WSP 1512: 1939-40(P), 1941, 1942-43(P), 1946(P).

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 4,190 ft above NGVD of 1929, from topographic map. Prior to Nov. 11, 1965, at site on left bank at same datum.

REMARKS.--Records fair, except for those estimated, which are poor. Diversions and ground-water withdrawals upstream from station for irrigation above and below of about 6,500 acres, 1959 determination. No flow most of time.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on June 1, 1937, reached a discharge of 24,900 ft³/s at Riverside, about 13 mi upstream. Other major floods occurred Oct. 31, 1901, Sept. 29 and 30, 1904, and July 25, 1905.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	e0.00	e0.00	0.00	3.5	0.00	0.00	2.4	0.00	0.00	0.00
2	0.00	0.00	e0.00	e0.00	0.00	0.85	0.00	0.00	1.0	0.00	0.00	19
3	0.00	0.00	e0.00	e0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	30
4	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.1
5	151	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
6	198	0.00	e0.00	e0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	36
7	8.7	0.00	e0.00	0.00	0.00	2.1	0.00	0.00	0.00	0.00	0.00	384
8	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	179
9	0.00	0.00	0.00	0.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	73
10	0.00	e0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	45
11	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34
12	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	23
13	0.00	e0.00	0.00	0.00	0.00	2.4	0.00	0.52	0.00	0.00	0.00	12
14	0.00	e0.00	0.00	0.00	37	3.7	0.00	0.28	0.00	0.00	0.00	3.2
15	0.00	e0.00	0.00	0.00	36	8.2	0.00	1.6	0.00	0.00	0.00	0.03
16	0.00	e0.00	0.00	0.00	24	17	0.00	0.17	0.00	0.00	0.00	0.00
17	0.00	e0.00	e0.00	0.00	31	14	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	e0.00	e0.00	0.00	27	26	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	e0.00	e0.00	0.00	26	22	7.4	0.00	0.00	0.00	0.00	0.00
20	0.00	e0.00	e0.00	0.00	16	7.3	15	0.00	0.00	0.00	0.00	0.00
21	0.00	e0.00	0.00	0.00	5.0	6.7	4.0	0.00	0.00	0.00	0.53	0.00
22	0.00	e0.00	0.00	0.00	3.0	3.7	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	e0.00	0.00	0.00	0.78	0.00	0.00	0.00	0.00	0.00	12	0.00
24	0.00	e0.00	0.00	0.00	1.7	0.00	0.00	0.00	0.00	0.00	0.98	0.00
25	0.00	0.00	e0.00	0.00	5.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	e0.00	0.00	24	0.00	0.00	0.95	0.00	0.00	0.00	0.00
27	0.00	e0.00	e0.00	0.00	20	0.00	0.00	1.3	0.00	0.00	0.00	0.00
28	0.00	e0.00	e0.00	0.00	8.3	0.00	0.00	0.52	0.00	0.00	0.00	0.00
29	0.00	e0.00	e0.00	0.00	---	0.00	0.00	1.2	0.00	0.00	91	0.00
30	0.00	e0.00	e0.00	0.00	---	0.00	0.00	3.5	0.00	0.00	22	0.00
31	0.00	---	e0.00	0.00	---	0.00	---	3.6	---	0.00	0.76	---
TOTAL	357.70	0.00	0.00	0.00	265.58	137.48	26.40	13.74	3.40	0.00	127.27	846.42
MEAN	11.5	0.00	0.00	0.00	9.48	4.43	0.88	0.44	0.11	0.00	4.11	28.2
MAX	198	0.00	0.00	0.00	37	26	15	3.6	2.4	0.00	91	384
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	709	0.00	0.00	0.00	527	273	52	27	6.7	0.00	252	1,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	23.1	15.2	17.8	15.3	11.7	12.2	23.8	26.3	22.6	23.9	35.2	46.5
MAX	458	199	222	160	97.5	153	199	519	334	163	241	1,090
(WY)	(1942)	(1942)	(1979)	(1985)	(1987)	(1987)	(1987)	(1941)	(1986)	(1955)	(1984)	(1941)
MIN	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)	(1941)	(1949)	(1940)	(1952)	(1940)	(1950)	(1946)	(1951)	(1951)	(1975)	(1960)	(1943)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1940 - 2005

ANNUAL TOTAL	1,535.62											
ANNUAL MEAN	4.20											
HIGHEST ANNUAL MEAN										22.8		
LOWEST ANNUAL MEAN										181		1941
HIGHEST DAILY MEAN	329	Jul 25					384	Sep 7		0.02		2003
LOWEST DAILY MEAN	0.00	Jan 1					0.00	Oct 1		8,380		Sep 22, 1941
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1					0.00	Oct 8		0.00		Oct 1, 1939
MAXIMUM PEAK FLOW							1,840	Oct 5		a54,800		Jun 18, 1965
MAXIMUM PEAK STAGE							19.19	Oct 5		b28.78		Sep 22, 1941
INSTANTANEOUS LOW FLOW							0.00	Oct 1		0.00		Oct 1, 1939
ANNUAL RUNOFF (AC-FT)	3,050						3,530			16,540		
10 PERCENT EXCEEDS	0.00						7.3			56		
50 PERCENT EXCEEDS	0.00						0.00			0.00		
90 PERCENT EXCEEDS	0.00						0.00			0.00		

a From rating curve extended above 3,100 ft³/s, on basis of slope-area measurement of peak flow.

b Maximum gage height, 28.78 ft, Sept. 22, 1941.

c Estimated

08390800 RIO HONDO BELOW DIAMOND A DAM, NEAR ROSWELL, NM

LOCATION.--Lat 33°18'05", long 104°43'12", in NE 1/4 SE 1/4 NE 1/4 sec.4, T.12 S., R.22 E., Chaves County, Hydrologic Unit 13060008, on left bank 500 ft downstream from outlet conduit of Diamond A Dam (Two Rivers Reservoir), 13 mi southwest of Roswell, and at mile 33.3.

DRAINAGE AREA.--963 mi² (contributing area).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 3,949.68 ft above NGVD of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Records fair except for those estimated, which are poor. Diversions and ground-water withdrawals for irrigation of about 6,500 acres, 1959 determination, upstream from station. This record represents the outflow from Two Rivers Reservoir through Diamond A Dam 0.1 mi upstream; flow from reservoir can also be discharged into Rocky Arroyo through Rocky Dam (see REMARKS for station 08390600).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	0.02	0.00	0.02	0.02	e1.0	0.00	0.00	0.00	0.00	0.00	0.00
2	e0.00	e0.00	0.02	0.02	0.02	0.26	0.00	0.00	0.00	0.00	0.00	0.00
3	e0.00	e0.00	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	3.6
4	e0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	2.7
5	e0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	e72	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	e55	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	139
8	e19	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	221
9	e3.9	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	76
10	e0.00	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	45
11	e0.00	e0.00	0.02	0.02	0.01	2.1	0.00	0.00	0.00	0.00	0.00	31
12	0.00	e0.00	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	17
13	0.00	0.02	0.02	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
14	e0.00	e0.00	0.02	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
15	e0.00	e0.00	0.02	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	e0.00	e0.00	e0.00	e0.00	e4.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	e0.00	e0.00	e0.00	e0.00	e14	0.30	0.00	0.00	0.00	0.00	0.00	0.00
18	e0.00	e0.00	e0.00	e0.00	e12	0.94	0.00	0.00	0.00	0.00	0.00	0.00
19	e0.00	e0.00	e0.00	e0.00	e5.4	0.95	0.00	0.00	0.00	0.00	0.00	0.00
20	e0.00	e0.00	e0.00	e0.00	e4.1	1.3	0.00	0.00	0.00	0.00	0.00	0.00
21	e0.00	e0.00	e0.00	0.02	e3.2	1.3	0.00	0.00	0.00	0.00	0.00	0.00
22	e0.00	0.00	e0.00	0.02	e1.6	9.2	0.00	0.00	0.00	0.00	0.00	0.00
23	e0.00	0.00	e0.00	0.02	e1.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	e0.00	0.00	e0.00	0.02	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	e0.00	0.00	e0.00	0.02	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	e0.00	0.00	e0.00	0.02	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.02	0.00	e0.00	0.02	e5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.02	0.00	e0.00	0.02	e1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.02	0.00	0.02	0.02	---	0.00	0.00	0.00	0.00	0.00	e6.9	0.00
30	0.02	0.00	0.02	0.02	---	0.00	0.00	0.00	0.00	0.00	e18	0.00
31	0.02	---	0.02	0.02	---	0.00	---	0.00	---	0.00	e1.6	---
TOTAL	150.00	0.18	0.34	0.46	53.16	17.36	0.00	0.00	0.00	0.00	26.50	535.82
MEAN	4.84	0.01	0.01	0.01	1.90	0.56	0.00	0.00	0.00	0.00	0.85	17.9
MAX	72	0.02	0.02	0.02	14	9.2	0.00	0.00	0.00	0.00	18	221
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	298	0.4	0.7	0.9	105	34	0.00	0.00	0.00	0.00	53	1,060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	11.6	9.76	12.8	13.4	11.6	12.0	17.4	13.7	7.56	6.51	21.5	21.5
MEAN	11.6	9.76	12.8	13.4	11.6	12.0	17.4	13.7	7.56	6.51	21.5	21.5
MAX	151	122	118	128	82.9	122	176	127	74.7	52.3	137	116
(WY)	(1986)	(1987)	(1985)	(1985)	(1987)	(1987)	(1987)	(1987)	(1992)	(1986)	(1984)	(1988)
MIN	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)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1967)	(1971)	(1974)	(1975)	(1973)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1964 - 2005

ANNUAL TOTAL	877.46	783.82	
ANNUAL MEAN	2.40	2.15	
HIGHEST ANNUAL MEAN			13.3
LOWEST ANNUAL MEAN			85.6
HIGHEST DAILY MEAN	130	Aug 14	2000
LOWEST DAILY MEAN	0.00	Jan 1	459
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			659
MAXIMUM PEAK STAGE			4.91
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	1,740	1,550	9,620
10 PERCENT EXCEEDS	0.02	0.02	45
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

e Estimated

08393610 RIO HONDO NEAR ROSWELL, NM

LOCATION.--Lat 33°24'30", long 104°28'18", in NE ¼ NE ¼ NM ¼ sec.35, T.10 S., R.24 E., Chaves County, Hydrologic Unit 13060008, on right bank 0.25 mi upstream from Red Bridge Road, 0.60 mi upstream from Berrendo Creek, and 1.1 mi north on State Road 265 (intersection of Red Bridge Road and U.S. Highway 380), at Pecos River mile 588.

DRAINAGE.--2,900 mi², approximately (contributing area).

PERIOD OF RECORD.--June 1997 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for those estimated, which are poor. Flow regulated by Two Rivers Reservoir (08390600) 25.0 mi upstream. Diversions and ground-water withdrawals for irrigation upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	2.4	7.2	7.5	2.9	3.0	2.7	2.9	2.6	2.5	2.1	2.9
2	2.3	2.5	7.3	7.5	2.8	3.1	2.7	2.9	2.6	2.5	2.0	39
3	2.4	2.5	7.4	7.7	2.7	3.0	2.8	2.9	2.6	2.4	1.9	2.8
4	2.6	2.5	7.6	11	2.7	2.9	2.7	3.0	2.8	2.2	8.9	2.5
5	68	2.5	8.1	8.3	9.8	2.9	2.6	3.2	3.2	2.1	2.1	2.7
6	102	2.6	7.9	8.6	6.3	3.0	2.4	3.4	3.3	2.3	2.3	3.0
7	41	2.6	7.7	8.7	1.6	3.0	2.4	3.6	3.3	2.3	2.0	2.7
8	4.8	2.7	7.8	8.9	1.6	3.1	2.4	3.6	2.8	2.2	e1.7	72
9	3.2	2.7	7.8	8.9	1.6	3.6	2.4	3.7	2.4	2.2	e1.8	27
10	3.0	3.0	8.0	9.1	1.6	3.7	2.4	3.7	2.5	2.0	e1.8	9.7
11	3.5	2.6	8.4	9.2	1.8	3.7	2.4	3.6	2.4	1.9	e1.8	4.2
12	3.4	2.7	8.2	8.9	1.8	3.8	2.4	3.6	2.3	2.0	1.8	2.7
13	3.5	13	8.2	8.5	1.8	3.8	2.4	3.7	2.3	2.1	4.3	2.1
14	3.5	12	8.0	8.1	1.9	3.7	2.4	3.5	2.4	2.1	64	1.5
15	3.5	9.9	8.4	7.7	2.0	6.9	2.4	28	2.3	2.0	8.9	1.3
16	3.7	2.8	8.3	7.0	2.1	3.7	2.4	3.0	2.3	1.9	1.8	1.4
17	3.6	2.6	8.4	4.0	2.1	3.6	2.7	2.3	2.4	1.8	1.5	1.3
18	3.6	2.6	8.6	2.7	2.2	3.5	2.2	2.1	2.3	1.8	1.6	1.4
19	3.5	2.7	8.6	2.6	2.3	3.5	2.2	1.9	2.2	1.7	1.8	1.4
20	3.4	2.7	8.7	2.5	2.3	3.5	2.1	1.8	2.3	1.5	9.3	1.4
21	3.4	10	8.7	2.5	2.4	3.6	2.2	1.7	2.4	1.6	9.9	1.5
22	3.3	41	13	2.4	2.4	3.5	2.3	1.9	2.4	1.8	1.9	1.6
23	3.2	12	8.2	2.3	2.6	3.5	2.3	1.8	2.5	1.8	12	1.6
24	3.0	5.6	8.5	2.2	2.7	3.6	2.5	1.9	2.6	1.8	2.1	1.6
25	5.5	6.5	8.0	2.2	2.7	3.5	2.4	1.9	2.6	1.6	2.0	1.5
26	2.9	6.7	8.3	2.4	2.7	4.9	2.9	1.8	2.6	1.7	2.1	1.6
27	2.7	6.7	8.1	3.2	2.8	3.8	2.8	1.9	2.7	2.2	2.3	1.6
28	2.7	6.9	8.1	2.9	2.9	3.7	3.0	2.6	2.7	2.1	23	1.8
29	2.7	7.1	7.8	2.4	---	3.5	3.2	2.1	2.6	2.1	2.3	1.8
30	2.7	7.1	7.9	2.7	---	3.8	3.6	3.0	2.6	2.1	2.3	2.0
31	2.6	---	7.9	2.8	---	2.7	---	3.4	---	1.9	2.6	---
TOTAL	302.6	189.2	255.1	175.4	75.1	111.1	76.3	110.4	77.0	62.2	185.9	199.6
MEAN	9.76	6.31	8.23	5.66	2.68	3.58	2.54	3.56	2.57	2.01	6.00	6.65
MAX	102	41	13	11	9.8	6.9	3.6	28	3.3	2.5	64	72
MIN	2.3	2.4	7.2	2.2	1.6	2.7	2.1	1.7	2.2	1.5	1.5	1.3
AC-FT	600	375	506	348	149	220	151	219	153	123	369	396

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

	7.70	7.18	7.31	7.90	5.34	5.62	5.84	7.42	7.23	5.83	6.91	5.35
MEAN	7.70	7.18	7.31	7.90	5.34	5.62	5.84	7.42	7.23	5.83	6.91	5.35
MAX	13.7	12.2	10.5	10.7	9.52	11.2	8.98	28.0	16.5	13.8	23.1	7.49
(WY)	(1999)	(2001)	(2002)	(2002)	(2001)	(2001)	(2004)	(1999)	(1997)	(1999)	(1997)	(2002)
MIN	3.01	3.11	2.75	3.02	2.68	3.07	2.54	2.82	2.57	2.01	3.24	3.70
(WY)	(2003)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2004)	(2005)	(2005)	(1999)	(1998)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1997 - 2005

ANNUAL TOTAL	1,905.3	1,819.9	
ANNUAL MEAN	5.21	4.99	6.34
HIGHEST ANNUAL MEAN			9.58
LOWEST ANNUAL MEAN			3.96
HIGHEST DAILY MEAN	102	Oct 6	516
LOWEST DAILY MEAN	1.9	Aug 22	0.88
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 21	1.4
MAXIMUM PEAK FLOW			6,390
MAXIMUM PEAK STAGE			15.96
INSTANTANEOUS LOW FLOW			0.42
ANNUAL RUNOFF (AC-FT)	3,780	3,610	4,590
10 PERCENT EXCEEDS	8.2	8.5	10
50 PERCENT EXCEEDS	3.0	2.7	4.3
90 PERCENT EXCEEDS	2.4	1.8	2.5

e Estimated

08394024 PECOS RIVER NORTH BOUNDARY (BLM WETLANDS) NEAR DEXTER, NM

LOCATION.--Lat 33°19'02", long 104°21'40", in NW ¼ SW ¼ SE ¼ sec.36, T.11 S., R.25 E., Chaves County, Hydrologic Unit 13060007, on left bank at BLM wetlands, 9 mi downstream from bridge on U.S. Highway 380, 14 mi north of Dexter.

DRAINAGE AREA.--14,280 mi², approximately.

PERIOD OF RECORD.--November 2003 to September 2004.

GAGE.--Water-stage recorder. Elevation of gage is 3,430 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Flow regulated by Lake Sumner (station 08384000), approximately 140 mi upstream, and Santa Rosa Lake (station 08382810), approximately 192 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,230 ft³/s, Oct. 7, 2004, gage height, 13.43 ft; minimum, 10 ft³/s, June 24, 2004, gage height, 4.36 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,860	105	83	78	68	83	65	54	2,000	46	63	47
2	1,200	105	87	76	70	80	63	49	1,770	42	53	112
3	501	111	85	76	69	79	58	50	1,410	39	48	417
4	363	118	85	82	69	77	59	49	1,000	36	43	381
5	433	104	87	83	69	77	63	50	720	33	45	215
6	2,260	97	86	82	97	77	61	52	665	31	81	111
7	4,620	93	85	83	96	76	56	51	757	31	59	95
8	3,510	92	85	81	105	79	55	49	687	31	49	95
9	790	88	83	78	99	83	56	47	654	31	46	100
10	490	85	81	75	100	67	53	45	394	33	41	82
11	350	83	80	74	97	61	53	40	223	29	37	72
12	305	80	79	73	97	57	52	37	184	35	35	70
13	251	89	78	73	96	54	52	38	163	55	35	69
14	211	101	76	72	97	53	54	40	151	38	68	63
15	202	116	76	72	95	57	52	72	158	32	445	61
16	186	115	75	72	89	62	52	72	224	29	530	65
17	171	104	75	71	86	63	52	70	232	27	208	61
18	166	97	73	68	86	65	51	98	182	25	128	57
19	154	91	73	67	90	67	51	92	133	23	105	62
20	146	84	73	67	90	66	50	73	108	22	91	74
21	140	85	72	68	89	59	50	62	94	22	108	59
22	139	96	75	66	88	54	48	54	85	20	84	55
23	133	147	80	65	86	51	49	50	80	20	84	54
24	125	127	76	64	87	48	48	45	89	20	100	52
25	122	109	67	64	89	49	49	43	100	19	74	50
26	128	99	71	63	90	49	51	49	85	19	73	49
27	127	92	75	67	87	52	50	783	67	827	56	46
28	120	88	79	70	85	50	50	1,530	65	355	64	45
29	110	85	83	69	---	54	50	1,900	56	151	54	46
30	103	84	87	70	---	67	56	1,730	50	94	67	45
31	100	---	81	69	---	62	---	1,910	---	83	55	---
TOTAL	19,516	2,970	2,451	2,238	2,466	1,978	1,609	9,284	12,586	2,298	3,029	2,810
MEAN	630	99.0	79.1	72.2	88.1	63.8	53.6	299	420	74.1	97.7	93.7
MAX	4,620	147	87	83	105	83	65	1,910	2,000	827	530	417
MIN	100	80	67	63	68	48	48	37	50	19	35	45
AC-FT	38,710	5,890	4,860	4,440	4,890	3,920	3,190	18,410	24,960	4,560	6,010	5,570
CAL YR	2004	TOTAL 67,204	MEAN 184	MAX 4,620	MIN 11	AC-FT 133,300						
WTR YR	2005	TOTAL 63,235	MEAN 173	MAX 4,620	MIN 19	AC-FT 125,400						

08394033 PECOS RIVER SOUTH BOUNDARY (BLM WETLANDS) NEAR DEXTER, NM

LOCATION.--Lat 33°16'08", long 104°21'15", in NW ¼ NW ¼ sec.21, T.12 S., R.26 E., Chaves County, Hydrologic Unit 13060007, on left bank at BLM wetlands, 14 mi downstream from bridge on U.S. Highway 380, 9 mi north of Dexter.

DRAINAGE AREA.--14,285 mi², approximately.

PERIOD OF RECORD.--November 2003 to September 2004.

GAGE.--Water-stage recorder. Elevation of gage is 3,438 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor. Flow regulated by Lake Sumner (station 08384000), approximately 150 mi upstream, and Santa Rosa Lake (station 08382810), approximately 200 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,570 ft³/s, Oct. 8, 2004, gage height, 12.16 ft; minimum, 15 ft³/s, July 17, 2004, gage height, 4.02 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,990	117	91	93	e82	98	79	67	2,010	51	69	59
2	1,260	125	98	89	e82	92	79	61	1,720	46	58	88
3	386	132	97	88	e84	93	77	60	1,280	42	51	426
4	387	149	98	102	82	91	77	60	749	39	45	357
5	424	121	104	112	84	90	78	61	516	e34	49	241
6	1,960	108	104	107	132	91	79	60	478	32	82	127
7	3,940	101	103	104	127	89	74	59	568	32	64	105
8	3,830	98	102	99	136	90	71	57	569	33	52	102
9	873	94	99	93	118	89	71	55	568	31	50	113
10	503	89	93	e102	120	81	69	52	398	37	42	90
11	324	85	91	e101	115	79	69	46	260	30	37	79
12	273	82	90	e98	117	77	68	42	219	29	38	75
13	216	100	87	e100	114	74	68	42	182	70	42	75
14	209	143	84	e96	114	71	70	44	162	46	71	70
15	200	182	83	e94	109	78	67	93	170	35	401	67
16	195	181	84	e93	101	81	68	97	245	30	509	71
17	183	139	83	e92	95	81	67	79	258	26	210	67
18	187	115	82	e84	94	81	65	140	195	23	138	63
19	179	101	81	e81	103	81	65	131	141	21	121	64
20	183	89	81	e81	105	80	65	90	109	20	104	82
21	e240	91	81	79	106	78	63	67	92	19	126	64
22	176	121	86	e80	105	74	62	55	82	18	98	60
23	164	226	99	e80	103	70	61	51	75	18	90	59
24	148	199	91	e79	106	67	60	46	85	18	113	58
25	146	154	81	e79	109	66	60	43	105	17	82	55
26	159	126	81	e78	111	71	63	46	92	17	87	55
27	163	108	87	e84	108	74	60	754	70	833	67	51
28	143	98	100	e86	101	74	62	1,520	67	427	75	50
29	124	95	106	e85	---	72	60	1,900	59	163	67	51
30	113	91	117	e84	---	81	69	1,800	53	98	75	49
31	109	---	102	e84	---	79	---	1,950	---	90	68	---
TOTAL	19,387	3,660	2,866	2,807	2,963	2,493	2,046	9,628	11,577	2,425	3,181	2,973
MEAN	625	122	92.5	90.5	106	80.4	68.2	311	386	78.2	103	99.1
MAX	3,940	226	117	112	136	98	79	1,950	2,010	833	509	426
MIN	109	82	81	78	82	66	60	42	53	17	37	49
AC-FT	38,450	7,260	5,680	5,570	5,880	4,940	4,060	19,100	22,960	4,810	6,310	5,900
CAL YR	2004	TOTAL 75,194	MEAN 205	MAX 3,940	MIN 16	AC-FT 149,100						
WTR YR	2005	TOTAL 66,006	MEAN 181	MAX 3,940	MIN 17	AC-FT 130,900						

e Estimated

08395500 PECOS RIVER NEAR LAKE ARTHUR, NM

LOCATION.--Lat 32°59'21", long 104°19'17", in SW ¼ NE ¼ sec.27, T.15 S., R.26 E., Chaves County, Hydrologic Unit 13060007, on left bank 200 ft upstream from bridge on Yuma Road, 3.5 mi east of Lake Arthur, 7 mi upstream from Cottonwood Creek, 15 mi northeast of Artesia, and at mile 522.0.

DRAINAGE AREA.--14,760 mi², approximately (contributing area).

PERIOD OF RECORD.--August 1938 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,327.07 ft above NGVD of 1929.

REMARKS.--Records fair except for those estimated, which are poor. Flow regulated by Lake Sumner (station 08384000), 180 mi upstream, since Aug. 1937, and by Two Rivers Reservoir (station 08390600), 77 mi upstream, since July 1963. Diversions and ground-water withdrawals for irrigation of about 124,000 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 30, 1937, reached a stage of 21.77 ft, discharge, 51,500 ft³/s, on basis of slope-area measurement of peak flow.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,460	133	135	132	124	132	93	e79	1,880	56	e96	e70
2	1,450	141	134	128	125	113	92	e83	e2,110	54	e72	e80
3	885	145	136	123	128	106	92	e82	1,870	52	e63	465
4	644	148	135	125	127	104	91	e79	1,350	50	e59	392
5	594	156	138	132	127	102	92	e78	951	48	57	428
6	e2,700	146	141	136	132	101	91	e76	778	46	57	239
7	e3,950	139	139	134	153	101	93	e72	752	e44	83	146
8	e2,950	134	138	133	160	100	91	e70	707	e44	e66	122
9	e1,470	132	138	132	162	99	89	e68	678	e44	60	128
10	e1,000	130	136	128	155	99	88	e67	591	e42	58	120
11	e780	126	132	125	153	97	88	60	363	e46	54	105
12	e520	122	131	124	148	94	89	58	257	e41	e52	91
13	433	125	130	120	146	95	88	56	210	e45	54	87
14	313	137	127	120	139	94	88	55	178	e66	58	84
15	236	172	126	120	136	95	88	60	160	e55	180	79
16	211	189	126	120	133	94	88	83	181	e40	e460	76
17	196	181	124	121	127	96	87	89	251	e38	e360	77
18	184	159	124	121	127	96	88	84	232	e35	e170	e74
19	179	146	123	120	128	95	87	115	178	e33	e130	e70
20	172	140	121	119	133	95	86	106	125	e31	e120	e79
21	168	135	120	118	131	96	85	88	99	e29	e127	e88
22	165	138	123	118	130	94	85	77	87	e28	e109	e72
23	164	162	125	117	130	92	85	70	78	e28	e95	e65
24	162	216	131	116	131	91	84	67	73	e26	e110	e60
25	156	189	129	115	134	90	85	63	84	e25	e100	e57
26	155	167	123	115	137	89	85	67	93	e26	e95	e57
27	160	154	117	118	140	90	e77	212	e77	e532	e80	e55
28	163	145	121	122	137	90	e77	1,150	e63	e880	e80	e54
29	153	139	129	126	---	91	e76	1,380	e62	262	e77	e54
30	143	136	131	128	---	90	e77	1,590	e59	142	e80	e55
31	136	---	136	126	---	93	---	1,640	---	e95	e78	---
TOTAL	22,052	4,482	4,019	3,832	3,833	3,014	2,605	7,924	14,577	2,983	3,340	3,629
MEAN	711	149	130	124	137	97.2	86.8	256	486	96.2	108	121
MAX	3,950	216	141	136	162	132	93	1,640	2,110	880	460	465
MIN	136	122	117	115	124	89	76	55	59	25	52	54
AC-FT	43,740	8,890	7,970	7,600	7,600	5,980	5,170	15,720	28,910	5,920	6,620	7,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	245	124	95.1	94.7	91.3	184	211	306	324	320	267	348
MAX	3,701	983	546	451	446	682	1,308	3,673	2,436	1,521	913	5,407
(WY)	(1942)	(1942)	(1942)	(1942)	(1942)	(1941)	(1942)	(1941)	(1941)	(1960)	(1941)	(1941)
MIN	3.89	32.0	29.9	34.5	26.6	16.6	7.35	11.9	4.78	1.02	0.42	1.30
(WY)	(1965)	(1968)	(1967)	(1965)	(1965)	(1967)	(1967)	(1975)	(1977)	(1954)	(1964)	(1964)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	73,347		76,290			
ANNUAL MEAN	200		209		218	
HIGHEST ANNUAL MEAN					1,314	
LOWEST ANNUAL MEAN					62.2	
HIGHEST DAILY MEAN	3,950	Oct 7	3,950	Oct 7	39,800	Sep 24, 1941
LOWEST DAILY MEAN	19	Jun 27	25	Jul 25	60.00	Aug 21, 1947
ANNUAL SEVEN-DAY MINIMUM	20	Jun 22	28	Jul 20	0.10	Jul 26, 1954
MAXIMUM PEAK FLOW			4,470	Oct 7	a49,600	Sep 24, 1941
MAXIMUM PEAK STAGE			15.30	Oct 7	21.90	Sep 24, 1941
INSTANTANEOUS LOW FLOW			25	Jul 25	0.00	Oct 1, 1946
ANNUAL RUNOFF (AC-FT)	145,500		151,300		157,900	
10 PERCENT EXCEEDS	326		282		650	
50 PERCENT EXCEEDS	98		120		74	
90 PERCENT EXCEEDS	29		57		16	

a From rating curve extended above 16,000 ft³/s, on basis of slope-area measurement at gage height 21.77 ft.

b Also occurred in 1947, 1954, 1962, and 1964.

c Estimated

08396500 PECOS RIVER NEAR ARTESIA, NM

LOCATION.--Lat 32°50'27", long 104°19'23", in NW ¼ NW ¼ sec.18, T.17 S., R.27 E., Eddy County, Hydrologic Unit 13060007, on left bank 250 ft upstream from bridge on U.S. Highway 82, 4.3 mi east of Artesia, 7.0 mi upstream from Rio Penasco, and at mile 503.9.

DRAINAGE AREA.--15,300 mi², approximately (contributing area).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1905 to June 1909, August 1909 to current year. Monthly discharge only for some periods, published in WSP 1312 and 1712. Records for August 22-31, 1934, and October 1936 to April 1937, published in WSP 763 and 828, respectively, are not reliable and should not be used. Prior to February 1936, published as "near Dayton."

REVISED RECORDS.--WSP 1312 and 1512: 1913, 1915, 1917-18(M), 1920, 1923, 1931-36. WSP 1712: 1906(M), 1908-11(M), 1919, 1921- 23(M), 1929, 1931-32(M), 1935-36(M), 1937, 1939(M), 1941(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,291.92 ft above NGVD of 1929 (Bureau of Reclamation benchmark). See WSP 1923 or 2123 for history of changes prior to Apr. 5, 1941. Apr. 5, 1941, to Apr. 2, 1981, water-stage recorder at site 250 ft downstream at same datum.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Considerable flow regulation by Lake Sumner (station 08384000) since Aug. 1937, and by Two Rivers Reservoir (station 08390600) since July 1963. Diversions and ground-water withdrawals for irrigation of about 154,000 acres, 1959 determination, upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest flood since at least 1893 occurred Oct. 2, 1904, discharge not determined; the peak inflow to Lake McMillan, which includes Rio Penasco and Fourmile Draw, was estimated at 82,000 ft³/s. The second highest flood occurred July 25, 1905, discharge downstream from Rio Penasco, 50,300 ft³/s, based on gain in storage and spill from Lake McMillan. The floods in Aug. 1893 and Oct. 1904 damaged McMillan Dam and washed out Avalon Dam.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,230	e149	141	146	118	142	98	70	1,310	69	109	79
2	1,230	e154	139	136	116	123	94	74	e1,490	65	93	69
3	1,080	162	140	131	120	113	94	77	e1,440	62	79	73
4	627	159	141	e135	120	111	93	74	e1,200	58	71	351
5	607	171	142	e143	122	110	88	71	e793	54	65	255
6	1,180	164	142	e149	144	109	89	72	547	51	61	271
7	1,640	e150	142	145	154	109	91	69	e522	49	61	157
8	1,860	e147	140	139	172	108	92	68	e530	46	89	121
9	2,020	138	139	142	174	107	86	67	e480	44	69	110
10	1,950	133	135	134	166	107	81	66	e450	44	61	120
11	1,120	125	131	128	165	104	80	64	e400	42	58	105
12	782	122	127	124	160	95	80	62	e300	46	52	95
13	558	125	124	121	157	95	81	57	e230	41	48	84
14	445	137	e129	120	152	94	79	55	188	45	56	80
15	351	200	e129	119	147	95	79	57	168	66	57	78
16	307	216	e127	119	147	94	80	67	163	51	211	74
17	284	212	e126	119	134	94	81	98	193	44	382	73
18	260	187	e127	119	129	99	84	98	239	38	263	72
19	248	167	e126	118	137	97	78	104	206	35	165	70
20	233	155	e125	115	138	97	76	121	163	33	141	67
21	222	146	e125	115	141	96	74	109	128	31	139	75
22	211	145	e128	114	137	95	74	92	109	29	128	74
23	202	170	e131	113	137	91	71	80	100	28	128	67
24	199	208	e138	112	143	88	70	73	92	28	105	62
25	189	219	e136	111	147	86	71	68	90	26	119	61
26	184	191	e129	110	147	86	70	65	106	25	105	60
27	183	173	e122	114	148	86	70	69	108	26	96	59
28	189	161	122	115	147	88	71	426	89	554	92	58
29	177	148	130	121	---	89	68	952	78	369	86	56
30	162	142	142	129	---	88	70	1,160	76	212	84	57
31	e151	---	148	123	---	88	---	1,220	---	130	74	---
TOTAL	20,081	4,876	4,123	3,879	4,019	3,084	2,413	5,805	11,988	2,441	3,347	3,033
MEAN	648	163	133	125	144	99.5	80.4	187	400	78.7	108	101
MAX	2,020	219	148	149	174	142	98	1,220	1,490	554	382	351
MIN	151	122	122	110	116	86	68	55	76	25	48	56
AC-FT	39,830	9,670	8,180	7,690	7,970	6,120	4,790	11,510	23,780	4,840	6,640	6,020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2005, BY WATER YEAR (WY)

MEAN	247	132	105	105	101	188	211	341	366	317	256	344
MAX	4,203	1,240	614	499	504	768	1,292	3,834	3,495	1,453	880	5,704
(WY)	(1942)	(1942)	(1942)	(1942)	(1942)	(1941)	(1942)	(1941)	(1937)	(1960)	(1941)	(1941)
MIN	2.26	31.5	33.6	34.6	28.5	21.7	10.7	15.8	5.42	0.77	0.06	0.27
(WY)	(1965)	(1968)	(1967)	(1965)	(1972)	(1981)	(1967)	(1975)	(1977)	(1954)	(1964)	(1964)

08396500 PECOS RIVER NEAR ARTESIA, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1937 - 2005	
ANNUAL TOTAL	70,107		69,089			
ANNUAL MEAN	192		189		227	
HIGHEST ANNUAL MEAN					1,378	1941
LOWEST ANNUAL MEAN					64.8	1964
HIGHEST DAILY MEAN	2,020	Oct 9	2,020	Oct 9	44,300	Sep 25, 1941
LOWEST DAILY MEAN	22	Jul 24	25	Jul 26	0.00	Aug 14, 1946
ANNUAL SEVEN-DAY MINIMUM	23	Jul 18	28	Jul 21	0.00	Aug 14, 1946
MAXIMUM PEAK FLOW			e2,260	Jun 2	a51,500	May 30, 1937
MAXIMUM PEAK STAGE			e11.89	Jun 2	14.70	May 30, 1937
INSTANTANEOUS LOW FLOW			24	Jul 24	0.00	Oct 1, 1934
ANNUAL RUNOFF (AC-FT)	139,100		137,000		164,100	
10 PERCENT EXCEEDS	320		290		642	
50 PERCENT EXCEEDS	91		119		79	
90 PERCENT EXCEEDS	29		61		17	

a From a slope-area measurement made at a site 15 mi upstream.

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
APR 13...	1200	81	2.4	680	9.8	119	8.1	10,600	24.5	17.5	2,700	697	221
MAY 19...	0815	93	4.9	677	7.6	97	8.1	8,230	20.0	20.0	2,000	502	171

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
APR 13...	10.9	13	1,500	131	156	2,470	1.0	7.7	2,160	7,140	.24	.48	E.04
MAY 19...	10.3	11	1,130	98	117	1,950	.9	6.3	1,610	5,430	.36	.69	E.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
APR 13...	<.100	.07	E.006	<.02	.006	.036	<6	<.80	<4	30	<.24	542	<.16
MAY 19...	E.051	.11	.024	<.02	.008	.043	<6	E.15	E2	30	<.24	374	<.16

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
APR 13...	<1.6	1.62	6.7	<6	<.32	38.0	<.01	4.5	24.3	<5	<5	<.8	6.2
MAY 19...	<.8	1.60	18.6	<30	<.32	24.3	<.01	4.0	4.15	<3	<3	<.8	7.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
APR 13...	5.66	32	21
MAY 19...	4.22	14	33

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

08397600 RIO PENASCO NEAR DUNKEN, NM

LOCATION.--Lat 32°52'55", long 105°10'40", in SE 1/4 NE 1/4 sec.35, T.16 S., R.17 E., Chaves County, Hydrologic Unit 13060010, located on downstream left end of bridge abutment on U.S. Highway 24, 0.1 mi south of U.S. Highway 82, and 5 mi north of Dunken.

DRAINAGE AREA.--583 mi², approximately.

PERIOD OF RECORD.--October 1952 to September 1999 (annual maximum only). February 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,290 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for those estimated, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,900 ft³/s, June 30, 2000, gage height, 13.50 ft; minimum, 1.0 ft³/s, July 24, 2000, and June 15, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,440 ft³/s, Aug. 28, gage height, 17.09 ft; minimum, 0.4 ft³/s, April 7 and 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	18	16	23	9.8	9.0	8.2	0.84	1.5	1.6	1.6	13
2	19	22	14	28	9.8	8.7	7.8	0.85	1.4	1.6	1.8	32
3	12	15	13	23	9.5	8.1	7.8	0.90	1.3	1.4	1.8	13
4	11	16	14	15	9.4	8.6	5.8	0.99	1.3	1.7	1.7	11
5	9.8	19	15	16	10	8.5	0.84	0.99	1.3	1.7	1.7	21
6	10	19	17	18	10	9.5	0.57	0.97	1.3	1.5	1.6	33
7	8.0	16	18	18	9.7	8.6	0.42	1.0	1.4	1.5	2.1	72
8	8.2	17	18	18	9.7	6.9	0.43	1.0	1.2	1.4	6.4	13
9	7.7	15	13	18	9.6	5.9	0.43	1.0	1.1	1.4	4.2	11
10	9.5	16	8.8	17	9.9	6.0	0.42	0.97	1.0	1.5	3.9	11
11	11	16	9.5	16	10	5.5	0.64	1.0	0.90	1.6	4.4	9.0
12	11	17	9.6	19	9.9	5.6	0.72	0.97	0.82	1.7	4.7	10
13	11	16	12	18	9.7	6.1	0.82	0.90	0.58	1.7	34	9.3
14	12	19	12	13	9.7	6.4	0.85	1.00	0.64	1.7	37	7.6
15	12	18	11	12	9.5	7.5	0.86	1.1	0.93	1.7	8.6	7.1
16	12	16	11	13	9.5	6.8	0.89	1.1	0.85	1.7	11	6.6
17	14	14	9.9	13	9.5	6.4	0.90	1.2	0.62	1.7	16	6.9
18	13	15	11	13	9.4	6.8	0.85	1.3	0.60	1.8	8.9	8.7
19	13	13	14	13	8.9	6.6	0.82	1.4	0.59	1.9	39	6.4
20	13	13	15	13	8.9	6.6	0.80	1.3	0.60	1.9	11	6.1
21	15	12	19	13	8.6	6.9	0.82	1.2	0.66	1.8	10	6.0
22	15	13	25	13	8.5	6.9	0.88	1.1	0.74	1.6	45	6.4
23	15	13	29	13	9.1	6.6	0.89	1.0	0.98	1.6	39	6.8
24	15	14	21	12	10	7.1	0.90	1.1	0.87	1.5	41	6.6
25	14	14	15	10	9.4	8.2	0.89	1.2	35	1.5	73	8.9
26	16	10	15	9.8	9.2	8.8	0.95	1.3	2.1	1.6	39	6.9
27	14	13	19	10	8.8	9.1	0.98	1.4	1.9	1.7	37	7.4
28	13	13	20	9.7	8.6	7.8	0.98	1.4	2.1	1.7	e500	7.0
29	14	12	19	9.6	---	7.2	0.96	1.5	1.8	1.7	52	7.3
30	12	12	19	9.6	---	8.0	0.91	1.5	1.7	1.6	17	7.4
31	12	---	22	9.7	---	8.3	---	1.5	---	1.6	13	---
TOTAL	393.2	456	484.8	456.4	264.6	229.0	50.02	34.98	67.78	50.6	1,067.4	378.4
MEAN	12.7	15.2	15.6	14.7	9.45	7.39	1.67	1.13	2.26	1.63	34.4	12.6
MAX	21	22	29	28	10	9.5	8.2	1.5	35	1.9	500	72
MIN	7.7	10	8.8	9.6	8.5	5.5	0.42	0.84	0.58	1.4	1.6	6.0
AC-FT	780	904	962	905	525	454	99	69	134	100	2,120	751
CAL YR	2004	TOTAL 4,002.0	MEAN 10.9	MAX 42	MIN 1.2	AC-FT 7,940						
WTR YR	2005	TOTAL 3,933.18	MEAN 10.8	MAX 500	MIN 0.42	AC-FT 7,800						

e Estimated

08397620 RIO PENASCO NEAR HOPE, NM

LOCATION.--Lat 32°50'12", long 105°03'59", in SE 1/4 NE 1/4 NW 1/4 sec.11, T.17 S., R.18 E., Chaves County, Hydrologic Unit 13060010, located 3.0 mi southwest of the intersection of U.S. Highway 13 and Highway 82, on Scharbauer Ranch, and 11 mi above the Hope Retard Dam, near Hope.

DRAINAGE AREA.--675 mi², approximately.

PERIOD OF RECORD.--February 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,931 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for those estimated, which are fair. Small diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,730 ft³/s, June 30, 2000, gage height, 12.86 ft; minimum, no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,000 ft³/s, Aug. 28, gage height, 14.30 ft; minimum, no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.12	2.6	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.36	2.4	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15
3	0.00	0.42	2.3	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2
4	0.00	0.13	1.8	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.06	1.5	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.4
6	0.00	0.05	1.3	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60
7	0.00	0.02	0.86	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117
8	0.00	0.00	1.7	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.0
9	0.00	0.00	1.4	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
10	0.00	0.00	0.77	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.37	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
12	0.00	0.00	0.29	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	1.3	0.09	0.95	0.00	0.00	0.00	0.00	0.00	0.00	264	0.00
14	0.07	2.6	0.54	1.1	0.00	0.00	0.00	0.00	0.00	0.00	189	0.00
15	0.00	3.0	0.98	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	2.4	1.1	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	1.1	1.1	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.07	1.5	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.01	1.5	0.92	0.00	0.00	0.00	0.00	0.00	0.00	3.0	0.00
20	0.00	0.01	1.5	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
21	0.00	0.01	1.4	0.14	0.00	0.00	0.00	0.00	0.00	0.00	136	0.00
22	0.00	10	2.0	0.07	0.00	0.00	0.00	0.00	0.00	0.00	64	0.00
23	0.00	15	3.5	0.19	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00
24	0.00	1.3	9.5	0.13	0.00	0.00	0.00	0.00	0.00	0.00	56	0.00
25	0.00	1.00	3.8	0.02	0.00	0.00	0.00	0.00	85	0.00	74	0.00
26	0.00	0.40	3.9	0.00	0.00	0.00	0.00	0.00	7.4	0.00	72	0.00
27	0.00	0.27	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00
28	0.00	0.39	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e500	0.00
29	0.00	0.51	0.67	0.00	---	0.00	0.00	0.00	0.00	0.00	161	0.00
30	0.00	2.0	0.32	0.00	---	0.00	0.00	0.00	0.00	0.00	7.3	0.00
31	0.00	---	0.38	0.00	---	0.00	---	0.00	---	0.00	0.48	---
TOTAL	0.07	42.53	54.17	13.41	0.00	0.00	0.00	0.00	92.40	0.00	1,571.86	201.77
MEAN	0.00	1.42	1.75	0.43	0.00	0.00	0.00	0.00	3.08	0.00	50.7	6.73
MAX	0.07	15	9.5	1.4	0.00	0.00	0.00	0.00	85	0.00	500	117
MIN	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.1	84	107	27	0.00	0.00	0.00	0.00	183	0.00	3,120	400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
MEAN	6.32	7.97	8.41	7.59	5.87	4.70	1.88	0.10	4.11	4.11	19.1	11.3
MAX	10.5	18.3	16.9	19.9	19.3	14.8	6.21	0.58	18.4	20.6	50.7	49.2
(WY)	(2004)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(2000)	(2005)	(2002)
MIN	0.00	0.02	0.75	0.13	0.00	0.00	0.00	0.00	0.00	0.00	5.02	0.21
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2001)	(2001)	(2005)	(2002)	(2004)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2000 - 2005

ANNUAL TOTAL	591.34	1,976.21		
ANNUAL MEAN	1.62	5.41		
HIGHEST ANNUAL MEAN			6.33	
LOWEST ANNUAL MEAN			9.06	2001
HIGHEST DAILY MEAN	113	Apr 4	2.31	2004
LOWEST DAILY MEAN	0.00	Jan 5	691	Sep 12, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 11	a0.00	Oct 1, 2000
MAXIMUM PEAK FLOW			0.00	May 4, 2000
MAXIMUM PEAK STAGE			9,000	Aug 28, 2005
INSTANTANEOUS LOW FLOW			14.30	Aug 28, 2005
ANNUAL RUNOFF (AC-FT)	1,170	3,920	0.00	Mar 6, 2003
10 PERCENT EXCEEDS	1.7	1.7	14	
50 PERCENT EXCEEDS	0.00	0.00	0.00	
90 PERCENT EXCEEDS	0.00	0.00	0.00	

a Many days.

e Estimated

08398500 RIO PENASCO AT DAYTON, NM

LOCATION.--Lat 32°44'36", long 104°24'49", in NE ¼ SE ¼ SE ¼ sec.18, T.18 S., R.26 E., Eddy County, Hydrologic Unit 13060010, on left bank 1.2 mi upstream from U.S. Highway 285, 1.9 mi northwest of old Dayton railway station, 5.6 mi upstream from mouth, and 7.0 mi south of Artesia. Mouth at Pecos River mile 496.4.

DRAINAGE AREA.--1,060 mi², approximately.

PERIOD OF RECORD.--April 1951 to February 2000, May 2000 to current year. Prior to October 1953, published as "near Dayton."

REVISED RECORDS.--WSP 1242: 1951(M). WSP 1512: 1956. WSP 1923: 1955.

GAGE.--Water-stage recorder and rock and concrete control. Elevation of gage is 3,385.19 ft above NGVD of 1929. Prior to May 9, 1968, at site 2.4 mi downstream, at datum 44.30 ft lower. May 9, 1968, to June 12, 1975, at present site at datum 1.98 ft higher.

REMARKS.--Records good. Diversions and ground-water withdrawals for irrigation of about 3,000 acres, 1959 determination, upstream from station. No flow most of time.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of about Sept. 22, 1941, reached a stage of about 9 ft, from floodmark, previous site and datum, discharge not determined. Peak discharge at discontinued station "near Dunken" (station 08397600), about 60 mi upstream, was 70,000 ft³/s, determined in 1956, from rating curve extended above a slope-area measurement of 36,000 ft³/s, for peak of Oct. 6 or 7, 1954.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	367	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	63	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	2.6	---
TOTAL	0.04	0.39	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	432.60	0.08
MEAN	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.0	0.00
MAX	0.03	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	367	0.08
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.08	0.8	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	858	0.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	4.57	1.35	0.00	0.00	0.00	0.00	0.08	1.13	11.1	7.96	14.3	9.57
MAX	201	72.8	0.02	0.00	0.00	0.00	2.73	41.0	528	221	328	372
(WY)	(1955)	(1984)	(1975)	(1952)	(1952)	(1952)	(2004)	(1965)	(1986)	(1968)	(1966)	(1974)
MIN	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)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1951)	(1952)	(1951)	(1954)	(1951)	(1951)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1951 - 2005

ANNUAL TOTAL	287.73	433.12		
ANNUAL MEAN	0.79	1.19		4.34
HIGHEST ANNUAL MEAN				43.4
LOWEST ANNUAL MEAN				0.00
HIGHEST DAILY MEAN	72	367	Aug 29	9,490
LOWEST DAILY MEAN	0.00	a0.00	Oct 1	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	Oct 7	0.00
MAXIMUM PEAK FLOW		2,230	Aug 29	29,800
MAXIMUM PEAK STAGE		5.95	Aug 29	16.40
INSTANTANEOUS LOW FLOW		a0.00	Oct 1	a0.00
ANNUAL RUNOFF (AC-FT)	571	859		3,140
10 PERCENT EXCEEDS	0.00	0.00		0.00
50 PERCENT EXCEEDS	0.00	0.00		0.00
90 PERCENT EXCEEDS	0.00	0.00		0.00

a Many days.

08399500 PECOS RIVER (KAISER CHANNEL) NEAR LAKEWOOD, NM

LOCATION.--Lat 32°41'22", long 104°17'53", in NW ¼ SE ¼ sec.5, T.19 S., R.27 E., Eddy County, Hydrologic Unit 13060011, on left bank 3.0 mi upstream from high-water line of former Lake McMillan, 6.0 mi northeast of Lakewood, 12 mi southeast of Artesia, and at mi 492.1.

PERIOD OF RECORD.--May 1950 to current year. Prior to October 1954, published as "Kaiser Lake-McMillan Channel."

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,268.53 ft above NGVD of 1929 (Bureau of Reclamation benchmark). Prior to Mar. 23, 1955, at site 3.0 mi downstream at datum 7.83 ft lower. Mar. 23, 1955, to Sept. 30, 1963, at present site at datum 2.00 ft higher.

REMARKS.--Records good. Considerable flow regulation by Lake Sumner (station 08384000) since Aug. 1937, and by Two Rivers Reservoir (station 08390600) since July 1963. Diversions and ground-water withdrawals for irrigation of about 170,000 acres, 1959 determination, upstream from station. Above about 1,500 ft³/s, flow will begin bypassing station and depending on the magnitude and duration of flow, may reach Brantley Lake (station 08401450). Several observations of water temperature were made during the year. Instantaneous peaks are not published because flood channel is separate from Kaiser Channel and is not gaged.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,150	177	162	161	130	156	94	70	1,330	88	112	87
2	1,170	170	160	151	126	143	92	72	1,390	80	98	77
3	967	184	158	144	127	125	90	78	1,410	76	78	66
4	505	182	162	143	131	119	91	77	1,210	70	67	289
5	483	191	162	148	134	120	86	74	782	64	61	284
6	1,030	191	162	157	146	120	84	75	578	59	57	297
7	1,660	176	161	159	152	119	86	72	522	54	53	211
8	1,780	168	160	152	181	120	92	70	515	51	82	147
9	1,880	165	157	155	185	117	84	69	495	48	67	127
10	1,940	161	154	152	178	117	76	67	479	48	57	133
11	1,260	152	150	145	174	115	74	64	438	44	52	126
12	560	145	146	140	170	104	74	62	339	46	47	112
13	427	148	143	134	166	99	78	58	280	45	43	96
14	372	158	139	132	162	99	76	55	250	40	47	87
15	322	205	136	130	156	101	77	58	227	69	50	85
16	297	236	135	129	158	100	78	65	215	58	138	81
17	288	235	133	129	147	95	81	89	227	47	348	78
18	273	218	133	128	141	104	89	111	266	39	301	78
19	265	196	132	129	147	106	81	105	255	35	212	73
20	257	181	132	125	150	103	74	142	222	32	174	69
21	248	171	130	125	152	103	73	139	183	29	173	68
22	242	167	134	125	151	101	70	118	156	27	147	83
23	233	186	136	122	152	96	69	104	139	26	161	68
24	231	212	137	120	155	90	70	94	127	25	127	63
25	224	244	143	120	156	85	68	90	119	23	132	59
26	218	219	137	120	157	83	71	88	133	22	134	59
27	216	196	129	124	158	83	70	92	143	22	109	57
28	222	184	129	127	160	85	71	358	121	337	108	55
29	216	172	138	132	---	87	69	1,010	100	366	96	52
30	201	163	149	138	---	85	70	1,230	96	223	94	51
31	187	---	156	136	---	82	---	1,310	---	146	81	---
TOTAL	19,324	5,553	4,495	4,232	4,302	3,262	2,358	6,166	12,747	2,339	3,506	3,218
MEAN	623	185	145	137	154	105	78.6	199	425	75.5	113	107
MAX	1,940	244	162	161	185	156	94	1,310	1,410	366	348	297
MIN	187	145	129	120	126	82	68	55	96	22	43	51
AC-FT	38,330	11,010	8,920	8,390	8,530	6,470	4,680	12,230	25,280	4,640	6,950	6,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

MEAN	146	91.4	79.7	81.7	82.1	161	147	241	246	259	236	190
MAX	695	339	272	307	332	417	489	1,220	748	886	698	800
(WY)	(1955)	(1998)	(1987)	(1987)	(2000)	(1987)	(1987)	(1973)	(1995)	(1960)	(1994)	(1988)
MIN	0.00	26.1	29.2	31.4	25.3	19.2	8.12	15.3	1.86	0.04	0.00	0.00
(WY)	(1965)	(1968)	(1965)	(1965)	(1972)	(1971)	(1967)	(1964)	(1977)	(1990)	(1964)	(1964)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1950 - 2005	
ANNUAL TOTAL	71,048		71,502			
ANNUAL MEAN	194		196		163	
HIGHEST ANNUAL MEAN					353	
LOWEST ANNUAL MEAN					64.1	
HIGHEST DAILY MEAN	2,050		1,940		2,920	
LOWEST DAILY MEAN	12		22		0.00	
ANNUAL SEVEN-DAY MINIMUM	17		25		0.00	
MAXIMUM PEAK FLOW			1,980		3,340	
MAXIMUM PEAK STAGE			9.14		12.08	
INSTANTANEOUS LOW FLOW			21		0.00	
ANNUAL RUNOFF (AC-FT)	140,900		141,800		118,400	
10 PERCENT EXCEEDS	342		297		560	
50 PERCENT EXCEEDS	88		132		64	
90 PERCENT EXCEEDS	26		59		12	

08400000 FOURMILE DRAW NEAR LAKEWOOD, NM

LOCATION.--Lat 32°40'20", long 104°22'07", in SW 1/4 NW 1/4 SE 1/4 sec.10, T.19 S., R.26 E., Eddy County, Hydrologic Unit 13060011, in left side of channel 360 ft downstream from ford on Lake Road, 1.9 mi downstream from U.S. Highway 285, 2.8 mi north of Lakewood, 3.8 mi upstream from mouth, and 11.5 mi south of Artesia. Mouth at Pecos River mile 490.6.

DRAINAGE AREA.--265 mi², approximately.

PERIOD OF RECORD.--October 1951 to February 2000, May 2000 to current year.

REVISED RECORDS.--WDR NM-68-1: 1967.

GAGE.--Water-stage recorder. Elevation of gage is 3,299.14 ft above NGVD of 1929. Oct. 1, 1951, to June 19, 1962, at site 1.8 mi upstream at datum 30.61 ft higher. June 19, 1962, to Oct. 12, 1966, at site 410 ft upstream at datum 6.08 ft higher.

REMARKS.--Records fair. No surface diversions upstream from station. No flow most of the time.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.0	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.03	4.25	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.14	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.0	0.00	0.03	2.0	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.06	8.4	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	
MEAN	1.52	0.00	0.00	0.00	0.00	0.00	0.12	1.04	8.16	2.53	14.1	8.86													
MAX	73.0	0.00	0.00	0.00	0.00	0.00	6.26	35.2	403	78.0	488	424													
(WY)	(1955)	(1959)	(1952)	(1952)	(1952)	(1952)	(2004)	(1979)	(1986)	(1968)	(1966)	(1974)													
MIN	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)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1953)	(1954)	(1952)	(1952)													

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1952 - 2005

ANNUAL TOTAL	230.04	12.28	
ANNUAL MEAN	0.63	0.03	
HIGHEST ANNUAL MEAN			3.15
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	157	8.0	13,000
LOWEST DAILY MEAN	0.00	a0.00	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		50	29,300
MAXIMUM PEAK STAGE		1.67	19.90
INSTANTANEOUS LOW FLOW		a0.00	a0.00
ANNUAL RUNOFF (AC-FT)	456	24	2,280
10 PERCENT EXCEEDS	0.00	0.00	0.00
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

a Many days.
e Estimated

08401200 SOUTH SEVEN RIVERS NEAR LAKEWOOD, NM

LOCATION.--Lat 32°35'19", long 104°25'17", in SE 1/4 SE 1/4 NW 1/4 sec.7, T.20 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on downstream side of center pier of bridge on U.S. Highway 285, 0.4 mi south of Seven Rivers, 2.6 mi upstream from mouth, and 4.0 mi southwest of Lakewood. Mouth at Pecos River mile 480.9.

DRAINAGE AREA.--220 mi², approximately.

PERIOD OF RECORD.--October 1963 to April 1997, May 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,280 ft above NGVD of 1929, from topographic map. Prior to July 8, 1965, at site 400 ft upstream at datum 0.52 ft higher. Prior to May 20, 1999, at datum 2.19 ft higher.

REMARKS.--Records fair, except for those estimated, which are poor. No surface diversions upstream from station; ground-water withdrawals for 240 acres, upstream from station. No flow most of time.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1941, about 30,000 ft³/s, gage height, 22.8 ft, from old debris on left bank, former site and datum, from rating curve extended above 5,700 ft³/s on basis of slope-area measurement at gage height 21.8 ft. Probable date of flood, Oct. 7, 1954.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.16	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
2	0.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
4	2.9	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
5	2.8	0.00	0.00	0.00	5.7	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
6	3.9	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	3.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	6.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.4	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	0.00	0.00	0.10	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.8	0.00	0.00	0.00	0.00
21	0.00	2.2	0.00	0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00
22	0.00	1.4	4.2	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
23	0.00	3.4	0.18	0.00	0.00	0.00	0.00	0.49	e0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	e0.00	0.00	0.00	0.00
25	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.10	e0.00	0.00	0.00	0.00
26	0.00	0.00	1.9	0.00	0.00	0.00	0.00	0.95	e0.00	0.00	0.00	0.00
27	0.00	0.00	0.99	8.7	0.00	0.00	0.00	0.46	e0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	1.8	0.00	0.00	0.00	0.01	e0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	e0.00	0.00	208	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	e0.00	0.00	0.67	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	9.76	29.59	8.47	11.42	15.71	0.00	0.00	10.42	0.00	0.00	208.77	0.00
MEAN	0.31	0.99	0.27	0.37	0.56	0.00	0.00	0.34	0.00	0.00	6.73	0.00
MAX	3.9	6.1	4.2	8.7	10	0.00	0.00	2.4	0.00	0.00	208	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	19	59	17	23	31	0.00	0.00	21	0.00	0.00	414	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	0.78	0.09	0.01	0.01	0.01	0.00	0.12	2.46	8.34	1.62	16.4	10.0
MEAN	0.78	0.09	0.01	0.01	0.01	0.00	0.12	2.46	8.34	1.62	16.4	10.0
MAX	15.9	2.05	0.27	0.37	0.56	0.11	4.67	83.9	275	28.3	369	237
(WY)	(1984)	(1984)	(2005)	(2005)	(2005)	(2002)	(2004)	(1965)	(1986)	(1968)	(1966)	(1974)
MIN	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)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1966)	(1964)	(1965)	(1964)	(1965)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1964 - 2005

ANNUAL TOTAL	265.60	294.14	
ANNUAL MEAN	0.73	0.81	3.42
HIGHEST ANNUAL MEAN			31.5
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	92	Apr 4	208
LOWEST DAILY MEAN	0.00	Jan 1	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			953
MAXIMUM PEAK STAGE			7.76
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	527	583	2,480
10 PERCENT EXCEEDS	0.46	0.06	0.00
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

e Estimated

08401450 BRANTLEY LAKE NEAR CARLSBAD, NM

LOCATION.--Lat 32°32'48", long 104°22'43", in NE ¼ SE ¼ NE ¼ sec.28, T.20 S., R.26 E., Eddy County, Hydrologic Unit 13060011, in control tower at Brantley Dam, 2.4 mi downstream from South Seven Rivers, 4.2 mi southeast of Seven Rivers, 6.0 mi south of Lakewood, 11.5 mi northwest of Carlsbad, and at mile 478.6.

DRAINAGE AREA.--17,650 mi², approximately (contributing area).

PERIOD OF RECORD.--August 1988 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,202.5 ft above NGVD of 1929 (levels by Bureau of Reclamation). Sept. 1, 2001, elevations referenced to the North American Vertical Datum of 1988 (NAVD). Elevation of gage as of Sept. 1, 2001, is 3,204.19 ft above NAVD 1988.

REMARKS.--Lake is formed by a concrete and earthfill dam on Pecos River. Storage began Aug. 31, 1988. Capacity, 348,540 acre-ft, from capacity table dated June 2001, between elevations 3,205.0 ft and 3,305.19 ft. Dead storage 2,010 acre-ft. Lake was created primarily for irrigation storage and flood control.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 49,270 acre-ft, Sept. 22-24, 1991, elevation, 3,257.60 ft; minimum, 2,040 acre-ft, May 26, 1990, elevation, 3,224.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 43,840 acre-ft, Feb. 14, elevation, 3,256.49 ft; minimum, 14,330 acre-ft, Sept. 30, elevation, 3,243.54 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 0700 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20,340	42,470	30,530	36,740	41,690	42,160	34,220	27,340	27,820	29,390	19,370	20,700
2	22,100	42,160	30,800	36,960	41,790	42,190	33,830	26,880	29,860	29,080	19,290	20,720
3	23,980	41,720	31,010	37,140	41,890	42,190	33,630	26,230	31,960	28,580	19,110	20,750
4	25,070	41,490	31,290	37,350	41,960	42,090	33,440	25,770	33,800	28,150	18,890	20,790
5	25,630	41,260	31,520	37,560	42,130	42,160	33,220	25,500	35,130	27,710	18,650	21,290
6	26,500	40,990	31,860	37,720	42,470	42,160	32,760	25,270	35,830	27,380	18,310	21,660
7	28,130	40,760	31,940	37,960	42,500	42,230	32,390	25,010	36,090	26,700	17,980	21,760
8	30,800	39,890	32,150	38,150	42,740	42,190	32,040	24,670	36,270	26,140	17,780	21,440
9	32,980	39,250	32,360	38,300	42,920	42,190	31,700	24,620	36,480	25,550	17,620	21,070
10	35,910	38,650	32,520	38,520	43,120	42,260	31,390	24,560	36,740	25,010	17,440	20,740
11	38,840	38,060	32,710	38,710	43,340	42,260	31,110	24,140	37,020	24,500	17,360	20,420
12	40,240	37,350	32,950	38,930	43,550	42,260	30,860	23,730	37,140	24,230	17,270	20,190
13	40,600	36,840	33,140	39,020	43,690	42,260	30,450	23,320	36,860	23,940	17,080	19,900
14	41,320	36,300	33,280	39,090	43,840	42,160	30,010	22,820	36,840	23,610	17,020	19,500
15	41,860	36,000	33,470	39,250	43,770	42,230	29,610	22,630	36,360	23,360	17,130	19,080
16	41,920	35,650	33,660	39,470	43,590	42,230	29,370	22,710	35,740	23,260	17,180	18,680
17	41,890	35,190	33,830	39,700	43,440	41,290	29,130	22,630	35,330	22,820	17,450	18,190
18	41,860	34,670	34,000	39,760	43,230	40,440	28,910	22,590	34,960	22,430	18,090	17,710
19	41,990	34,110	34,110	39,850	42,570	39,470	29,080	22,610	34,590	22,060	18,500	17,230
20	42,090	33,580	34,300	40,140	42,570	38,580	29,060	22,590	34,390	21,590	18,840	16,970
21	42,030	32,870	34,480	40,310	42,500	37,750	29,100	22,590	34,080	21,440	19,080	16,650
22	42,030	32,280	34,760	40,400	42,330	36,860	29,180	22,570	33,690	20,610	19,290	16,340
23	41,990	31,700	34,900	40,570	42,260	35,970	29,200	22,570	33,090	20,050	19,480	16,130
24	42,030	31,110	35,130	40,700	42,540	36,150	29,250	22,390	32,440	19,580	19,640	15,870
25	42,060	30,580	35,330	40,860	42,400	36,240	29,370	22,180	31,730	19,130	19,760	15,720
26	42,090	30,080	35,560	40,930	42,300	36,330	29,390	21,780	31,310	18,790	19,920	15,520
27	42,090	29,490	35,740	41,120	42,260	36,450	29,470	21,330	31,060	18,450	20,060	15,330
28	42,160	29,810	35,880	41,220	42,130	36,030	29,200	21,220	30,780	18,230	20,210	15,020
29	42,160	30,100	36,060	41,360	---	35,590	28,580	22,140	30,250	18,990	20,350	14,640
30	42,160	30,250	36,270	41,420	---	35,130	27,940	23,960	29,760	19,340	20,590	14,330
31	42,260	---	36,510	41,560	---	34,730	---	25,900	---	19,500	20,660	---
MAX	42,260	42,470	36,510	41,560	43,840	42,260	34,220	27,340	37,140	29,390	20,660	21,760
MIN	20,340	29,490	30,530	36,740	41,690	34,730	27,940	21,220	27,820	18,230	17,020	14,330
(+)	3,250.04	3,251.94	3,254.23	3,255.83	3,256.00	3,253.62	3,250.98	3,250.08	3,251.74	3,246.82	3,247.47	3,243.54
(++)	+23,760	-12,010	+6,260	+5,050	+570	-7,400	-6,690	-2,040	+3,860	-10,260	+1,160	-6,330
CAL YR	2004	MAX 42,470	MIN 5,620(++)	+30,330								
WTR YR	2005	MAX 43,840	MIN 14,330(++)	-4,170								

(+)Elevation in feet, at end of month.
(++)Change in contents, in acre-feet.

08401500 PECOS RIVER BELOW BRANTLEY DAM NEAR CARLSBAD, NM

LOCATION.--Lat 32°32'38", long 104°22'00", in NE ¼ NW ¼ SE ¼ sec.27, T.20 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on left bank 0.8 mi downstream from Brantley Dam, 3.2 mi downstream from South Seven Rivers, 4.7 mi southeast of Seven Rivers, 6.4 mi south of Lakewood, 11.0 mi northwest of Carlsbad, and at mile 477.8.

DRAINAGE AREA.--17,650 mi², approximately (contributing area).

PERIOD OF RECORD.--January 1947 to September 1950, October 1971 to current year. Prior to October 1989, published as "below Major Johnson Springs." Prior to October 1988, operated as a low-flow station only. Records prior to October 1971 not equivalent due to spring inflow between sites.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,191.15 ft above NGVD of 1929 (Bureau of Reclamation reference point). Prior to Oct. 1971, at site 1.3 mi upstream at different datum. Oct. 1971 to June 4, 1985, at site 0.8 mi upstream at datum 7.29 ft higher. Prior to Oct. 1988, at site 0.2 mi downstream at same datum.

REMARKS.--Records fair except for those estimated, which are poor. Flow completely regulated by Brantley Lake (station 08401450), 0.8 mi upstream, since Aug. 1988. Diversions and ground-water withdrawals for irrigation of about 173,000 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	207	20	24	47	125	277	333	16	271	136	11
2	24	309	21	24	47	123	226	360	16	269	136	11
3	24	308	21	24	47	123	198	367	122	268	159	10
4	23	208	20	25	47	99	196	281	237	238	172	10
5	23	306	25	24	48	84	258	224	263	218	211	10
6	23	306	24	23	48	83	264	237	321	284	233	85
7	24	485	25	24	47	83	249	249	329	343	191	233
8	24	485	25	23	47	82	248	146	315	354	165	286
9	24	444	25	23	47	83	247	89	291	326	143	285
10	24	444	24	23	47	82	215	213	255	310	94	284
11	25	444	23	23	47	82	197	280	245	229	75	252
12	25	446	23	22	47	81	255	280	305	182	119	233
13	25	491	22	23	47	81	286	291	329	181	138	256
14	25	514	22	24	46	81	260	298	328	163	60	284
15	96	516	21	24	59	82	222	e200	329	152	10	298
16	235	515	21	24	158	351	210	e130	329	209	10	320
17	234	515	20	24	214	499	210	e125	327	239	10	329
18	179	514	20	24	e200	538	92	116	326	238	10	330
19	120	515	20	24	e215	558	20	104	303	238	11	270
20	184	550	18	24	e180	555	20	104	290	261	11	236
21	223	568	19	24	193	554	20	104	289	309	11	237
22	205	569	22	25	179	551	20	94	348	328	11	214
23	179	568	22	25	147	214	20	138	400	300	11	199
24	169	566	22	24	183	24	19	188	409	283	11	172
25	169	566	22	31	207	25	19	259	338	257	11	155
26	168	564	22	46	184	25	19	290	258	242	11	156
27	168	262	22	47	171	188	102	222	233	189	11	200
28	167	22	24	47	141	276	293	83	284	116	11	243
29	166	21	24	47	---	275	369	18	309	92	11	231
30	154	20	24	47	---	275	387	16	284	92	11	215
31	39	---	24	47	---	276	---	16	---	121	11	---
TOTAL	3,191	12,248	687	883	3,090	6,558	5,418	5,855	8,428	7,302	2,215	6,055
MEAN	103	408	22.2	28.5	110	212	181	189	281	236	71.5	202
MAX	235	569	25	47	215	558	387	367	409	354	233	330
MIN	23	20	18	22	46	24	19	16	16	92	10	10
AC-FT	6,330	24,290	1,360	1,750	6,130	13,010	10,750	11,610	16,720	14,480	4,390	12,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	165	80.1	50.4	39.5	52.2	75.8	223	213	219	234	189	167
MAX	412	431	460	297	300	212	313	1,058	641	527	311	500
(WY)	(1995)	(1998)	(1992)	(1987)	(1987)	(2005)	(1998)	(1973)	(1992)	(1995)	(1999)	(1991)
MIN	22.6	5.92	1.22	3.49	9.89	19.1	33.2	79.9	66.5	11.3	18.4	50.9
(WY)	(1979)	(1989)	(1995)	(1995)	(2003)	(1990)	(2004)	(1976)	(1977)	(1976)	(1981)	(1976)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1972 - 2005

ANNUAL TOTAL	46,705	61,930	
ANNUAL MEAN	128	170	147
HIGHEST ANNUAL MEAN			282
LOWEST ANNUAL MEAN			69.5
HIGHEST DAILY MEAN	569	Nov 22	2,050
LOWEST DAILY MEAN	18	Dec 20	0.18
ANNUAL SEVEN-DAY MINIMUM	20	Dec 15	0.33
MAXIMUM PEAK FLOW			577
MAXIMUM PEAK STAGE			7.97
INSTANTANEOUS LOW FLOW			5.0
ANNUAL RUNOFF (AC-FT)	92,640	122,800	106,800
10 PERCENT EXCEEDS	360	340	346
50 PERCENT EXCEEDS	26	156	67
90 PERCENT EXCEEDS	22	20	20

e Estimated

08401900 ROCKY ARROYO AT HIGHWAY BRIDGE, NEAR CARLSBAD, NM

LOCATION.--Lat 32°30'23", long 104°22'28", in SE 1/4 SE 1/4 sec.3, T.21 S., R.25 E., Eddy County, Hydrologic Unit 13060011, at downstream end of bridge pier nearest left bank on U.S. Highway 285, 2.1 mi upstream from mouth, and 10 mi northwest of Carlsbad. Mouth at Pecos River mile 475.2.

DRAINAGE AREA.--285 mi², approximately.

PERIOD OF RECORD.--November 1963 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,250 ft above NGVD of 1929, from topographic map. Prior to Feb. 1985, at site 60 ft downstream at same datum.

REMARKS.--Records fair except for those estimated, which are poor. Diversions for irrigation of 220 acres, upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Since about 1941 the maximum discharge probably occurred Oct. 7, 1954, discharge, 63,600 ft³/s, gage height, 19.2 ft, from floodmarks, on downstream end of bridge pier, by slope-area measurement at site 5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
5	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
6	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
8	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
15	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	4.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	e0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	e0.00	---
TOTAL	31.41	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	1.01	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	19	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	62	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	7.73	0.46	0.01	0.00	0.00	0.00	6.30	1.87	14.1	5.10	20.2	18.0
MAX	185	10.1	0.56	0.00	0.00	0.00	263	37.6	468	73.4	616	335
(WY)	(1975)	(2001)	(1975)	(1975)	(1964)	(1964)	(2004)	(1979)	(1986)	(2002)	(1966)	(1974)
MIN	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)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1965)	(1964)	(1964)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1964 - 2005

ANNUAL TOTAL	9,735.31	54.31		
ANNUAL MEAN	26.6	0.15		
HIGHEST ANNUAL MEAN			6.16	1966
LOWEST ANNUAL MEAN			0.00	1973
HIGHEST DAILY MEAN	4,760	Apr 4	13,900	Aug 23, 1966
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1, 1963
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1, 1963
MAXIMUM PEAK FLOW			108	Oct 6
MAXIMUM PEAK STAGE			5.69	Oct 6
INSTANTANEOUS LOW FLOW			0.00	Oct 1
ANNUAL RUNOFF (AC-FT)	19,310	108	4,460	
10 PERCENT EXCEEDS	0.00	0.00	0.00	
50 PERCENT EXCEEDS	0.00	0.00	0.00	
90 PERCENT EXCEEDS	0.00	0.00	0.00	

a From rating curve extended above 8,500 ft³/s, on basis of slope-area measurement of peak flow.

e Estimated

08402000 PECOS RIVER AT DAMSITE 3, NEAR CARLSBAD, NM

LOCATION.--Lat 32°30'40", long 104°19'58", sec.6, T.21 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on right bank at damsite 3 of Carlsbad Project of Bureau of Reclamation, about 1 mi upstream from flow line of Lake Avalon, 1.3 mi downstream from Rocky Arroyo, 8.0 mi northwest of Carlsbad, and at mile 473.8.

DRAINAGE AREA.--17,980 mi², approximately (contributing area).

PERIOD OF RECORD.--August 1939 to December 1940, August 1944 to current year.

REVISED RECORDS.--WSP 1512: 1946-47(M), 1948(P), 1949, 1950(P). WSP 1712: drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 3,171.31 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to Aug. 10, 1944, at site 1,000 ft downstream at datum 1.00 ft higher. Aug. 10, 1944, to Dec. 31, 1966, at present datum 1.00 ft higher.

REMARKS.--Records fair except for those estimated, which are poor. Flow regulated by Brantley Lake (station 08401450), 4.8 mi upstream, and other reservoirs and diversion dams. Diversions and ground-water withdrawals for irrigation of about 17,300 acres, 1959 determination, upstream from station. Discharge represents inflow to Lake Avalon. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Peaks that probably exceeded 40,000 ft³/s occurred in Aug. 1893, Oct. 2, 1904, July 25, 1905, Apr. 17, 1915, Aug. 7, 1916, and May 30, 1937, based primarily on records for station "at Carlsbad." Peak of May 22, 1941, was estimated at 60,000 ft³/s. Floods of 1893 and 1904 originated upstream from McMillan Dam and contributed to the two failures of Avalon Dam.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	152	18	19	51	145	e277	e330	19	261	149	22
2	19	282	18	20	51	143	e226	e360	19	261	149	22
3	20	282	18	19	51	141	e198	e370	81	259	163	23
4	21	190	15	20	51	121	e196	e280	207	235	178	22
5	35	283	17	20	53	98	e258	200	248	210	210	23
6	28	285	18	21	52	98	e264	234	297	265	240	79
7	20	418	18	21	52	86	e249	244	319	336	207	232
8	20	470	19	21	52	e85	e248	167	296	353	175	300
9	20	436	19	21	52	e87	e248	97	280	329	162	299
10	21	436	19	21	53	e88	e215	192	242	306	121	304
11	22	430	18	21	53	e88	e198	287	228	239	92	275
12	22	421	18	20	52	90	e255	289	280	177	123	249
13	22	344	19	20	52	90	e286	299	315	179	152	267
14	22	313	18	21	85	88	e260	307	313	168	102	296
15	49	296	19	21	207	e82	e222	188	313	157	26	312
16	177	354	19	20	227	e350	e210	114	313	199	19	333
17	177	395	19	20	223	e500	e210	112	311	237	19	345
18	144	445	18	20	214	e535	e92	110	310	237	20	342
19	89	448	18	20	235	e555	18	110	291	236	24	292
20	129	441	18	20	186	e555	17	110	276	256	27	245
21	172	481	19	20	206	e550	18	109	276	303	20	244
22	159	457	20	20	202	e550	18	102	326	330	20	219
23	138	397	19	20	168	e214	19	129	381	308	20	199
24	129	425	19	20	195	e24	19	179	391	286	21	181
25	129	475	18	22	229	25	19	245	329	264	21	161
26	129	494	19	50	208	26	19	291	254	244	21	158
27	130	288	19	53	189	e188	76	230	222	206	21	191
28	130	22	19	52	167	e276	e290	109	264	137	22	238
29	129	19	19	51	---	e275	e360	21	301	107	21	235
30	129	18	19	51	---	e275	e390	19	280	108	22	209
31	43	---	19	52	---	e276	---	19	---	128	22	---
TOTAL	2,503	10,197	572	817	3,616	6,704	5,375	5,853	7,982	7,321	2,589	6,317
MEAN	80.7	340	18.5	26.4	129	216	179	189	266	236	83.5	211
MAX	177	494	20	53	235	555	390	370	391	353	240	345
MIN	19	18	15	19	51	24	17	19	19	107	19	22
AC-FT	4,960	20,230	1,130	1,620	7,170	13,300	10,660	11,610	15,830	14,520	5,140	12,530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	194	86.6	69.5	57.1	64.3	84.7	245	195	224	250	250	205
MEAN	194	86.6	69.5	57.1	64.3	84.7	245	195	224	250	250	205
MAX	2,609	464	421	284	293	382	345	1,055	1,892	794	2,267	1,156
(WY)	(1955)	(1987)	(1992)	(1987)	(1987)	(1987)	(1945)	(1973)	(1986)	(1960)	(1966)	(1974)
MIN	9.91	5.71	1.04	1.98	11.5	17.7	78.5	46.4	18.6	10.8	21.5	12.3
(WY)	(1965)	(1989)	(1995)	(1995)	(2003)	(1965)	(2004)	(1946)	(1946)	(1976)	(1947)	(1964)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1939 - 2005

ANNUAL TOTAL	42,242	59,846	
ANNUAL MEAN	115	164	161
HIGHEST ANNUAL MEAN			395
LOWEST ANNUAL MEAN			66.8
HIGHEST DAILY MEAN	941	Jul 25	555
LOWEST DAILY MEAN	15	Dec 4	15
ANNUAL SEVEN-DAY MINIMUM	16	Sep 3	17
MAXIMUM PEAK FLOW			527
MAXIMUM PEAK STAGE			2.99
INSTANTANEOUS LOW FLOW			8.7
ANNUAL RUNOFF (AC-FT)	83,790	118,700	116,500
10 PERCENT EXCEEDS	337	331	343
50 PERCENT EXCEEDS	24	149	90
90 PERCENT EXCEEDS	18	19	22

a From rating curve extended above 25,000 ft³/s, on basis of slope-area measurement at gage height 19.53 ft.

b From floodmarks at present datum.

e Estimated

08403500 CARLSBAD MAIN CANAL AT HEAD, NEAR CARLSBAD, NM

LOCATION.--Lat 32°29'25", long 104°15'08", in NW 1/4 SW 1/4 SW 1/4 sec.12, T.21 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on right bank 220 ft downstream from headgates in Avalon Dam, and 3.3 mi north of Carlsbad, and at Pecos River mile 467.2.

PERIOD OF RECORD.--July 1939 to current year (monthly discharge only, July 1939 to September 1965). January 1941 to March 1951 published in WSP 1732.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 3,156.50 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to Mar. 1951, at site 20 ft upstream at datum 0.9 ft higher.

REMARKS.--Records fair, except for those estimated, which are poor. Carlsbad Main Canal diverts water from Lake Avalon (station 08403800) for irrigation of about 25,000 acres in the Carlsbad Irrigation District. About 1,600 acres are irrigated on the left bank, most of it upstream from gaging station 08405200. The remaining acreage (most of which is downstream from station 08405200) is on the right bank. Several observations of temperature were made during the year. No flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	260	e286	e0.00	257	129	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	205	e354	0.00	257	138	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	166	e320	e0.00	209	153	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	222	e202	177	209	158	0.00
5	0.06	0.00	0.00	0.00	0.00	0.00	256	e186	243	277	217	72
6	0.00	0.00	0.00	0.00	0.00	0.00	231	e226	305	306	214	224
7	0.00	0.00	0.00	0.00	0.00	0.00	246	e177	270	342	153	282
8	0.00	0.00	0.00	0.00	0.00	0.00	241	e104	271	335	163	283
9	0.00	0.00	0.00	0.00	0.00	0.00	214	e153	284	281	136	292
10	0.00	0.00	0.00	0.00	0.00	0.00	164	e209	280	215	119	295
11	0.00	0.00	0.00	0.00	0.00	0.00	180	e222	316	182	121	253
12	0.00	0.00	0.00	0.00	0.00	0.00	218	e244	317	182	132	260
13	0.00	0.00	0.00	0.00	0.00	0.00	234	272	329	171	114	276
14	0.00	0.00	0.00	0.00	0.00	0.00	209	250	346	162	0.93	294
15	0.00	0.00	0.00	0.00	0.00	0.00	154	156	344	177	0.24	313
16	0.00	0.00	0.00	0.00	0.00	0.00	70	147	339	221	0.00	330
17	0.00	0.00	0.00	0.00	0.00	0.00	82	86	324	211	0.00	345
18	0.00	0.00	0.00	0.00	0.00	0.00	78	79	299	231	0.00	323
19	0.00	0.00	0.00	0.00	0.00	0.00	70	96	266	226	0.00	235
20	0.00	0.00	0.00	0.00	0.00	0.00	e74	94	277	278	0.00	222
21	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	83	298	322	0.00	225
22	0.00	0.00	0.00	0.00	0.00	100	e0.00	74	336	305	0.00	196
23	0.00	0.00	0.00	0.00	0.00	236	e0.00	121	368	269	0.00	184
24	84	0.00	0.00	0.00	0.00	321	e0.00	163	357	257	0.00	166
25	153	0.00	0.00	0.00	0.00	312	e0.00	222	283	239	0.00	142
26	128	0.00	0.00	0.00	0.00	312	e150	220	217	221	0.00	155
27	76	0.00	0.00	0.00	0.00	280	e131	149	235	129	0.00	191
28	5.8	0.00	0.00	0.00	0.00	272	e272	26	295	109	0.00	232
29	0.00	0.00	0.00	0.00	---	298	e340	0.00	251	135	0.00	214
30	0.00	0.00	0.00	0.00	---	298	e386	0.00	257	132	0.00	228
31	0.00	---	0.00	0.00	---	293	---	e0.00	---	134	0.00	---
TOTAL	446.86	0.00	0.00	0.00	0.00	2,722.00	4,853.00	4,921.00	7,884.00	6,981	1,948.17	6,232.00
MEAN	14.4	0.00	0.00	0.00	0.00	87.8	162	159	263	225	62.8	208
MAX	153	0.00	0.00	0.00	0.00	321	386	354	368	342	217	345
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109	0.00	0.00
AC-FT	886	0.00	0.00	0.00	0.00	5,400	9,630	9,760	15,640	13,850	3,860	12,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	83.2	3.81	6.76	10.1	20.4	71.2	239	138	164	198	196	141
MAX	218	112	172	120	208	227	386	274	297	391	463	298
(WY)	(2000)	(1955)	(1947)	(1956)	(1950)	(1940)	(1943)	(2000)	(1942)	(1940)	(1943)	(1939)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	47.6	6.58	0.00	0.00	2.81	0.00
(WY)	(1953)	(1942)	(1941)	(1942)	(1941)	(1948)	(2004)	(1953)	(1953)	(1976)	(1981)	(1964)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	25,516.24		35,988.03			
ANNUAL MEAN	69.7		98.6		105	
HIGHEST ANNUAL MEAN					174	
LOWEST ANNUAL MEAN					51.8	
HIGHEST DAILY MEAN	385		386		526	
LOWEST DAILY MEAN	0.00		0.00		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.00		0.00		0.00	
MAXIMUM PEAK FLOW			394		451	
MAXIMUM PEAK STAGE			3.44		3.65	
INSTANTANEOUS LOW FLOW			0.00		0.00	
ANNUAL RUNOFF (AC-FT)	50,610		71,380		76,180	
10 PERCENT EXCEEDS	279		288		290	
50 PERCENT EXCEEDS	0.00		0.00		58	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

08403800 LAKE AVALON NEAR CARLSBAD, NM

LOCATION.--Lat 32°29'27", long 104°15'05", in NW ¼ SW ¼ sec.12, T.21 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on headwall at outlet gate of dam on Pecos River, 3.3 mi north of Carlsbad, and at mile 467.2.

DRAINAGE AREA.--18,070 mi², approximately (contributing area).

PERIOD OF RECORD.--January 1939 to September 1965 (month end gage heights and contents), October 1965 to current year. Month end gage heights January 1919 to December 1938 in files of Pecos River Commission.

REVISED RECORDS.--WSP 898: 1939.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,157.0 ft above NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--Lake is formed by Avalon Dam, an earthfill structure. The original Eddy (Avalon) Dam was completed and storage began in 1891. The dam was destroyed by the flood of Aug. 3, 1893; repaired immediately. The dam was destroyed again Oct. 2, 1904; construction of present dam commenced on June 1, 1906, and was 88 percent complete June 30, 1907. Capacity (based on Feb. 1996 survey) 4,470 acre-ft between gage heights 0.0 (sill of outlet gates) and 20.4 ft (crest of spillway 2). No dead storage. No storage allocated to flood control. New capacity table put into use Jan. 1, 1997. Figures given herein represent usable contents. Water is used by Carlsbad Irrigation District.

COOPERATION.--Records provided by Carlsbad Irrigation District.

EXTREMES OUTSIDE PERIOD OF RECORD (SINCE 1938).--Maximum contents, 11,000 acre-ft, May 22, 1941, gage height, 25.0 ft; no storage at times when natural flow is passing through reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,470 acre-ft, Nov. 1, gage height, 20.40 ft; minimum, 732 acre-ft, Nov. 29, gage height, 15.30 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,660	4,470	790	1,460	2,350	4,380	1,400	1,210	1,460	1,330	1,270	1,920
2	1,660	3,930	848	1,520	2,420	4,380	1,400	1,150	1,460	1,400	1,270	1,920
3	1,660	3,510	848	1,520	2,490	4,380	1,460	1,080	1,460	1,400	1,210	1,920
4	1,660	3,270	848	1,520	2,490	4,370	1,400	1,270	1,330	1,460	1,210	1,920
5	1,660	2,720	907	1,590	2,570	4,330	1,270	1,330	1,330	1,460	1,210	1,920
6	1,860	2,350	907	1,590	2,720	4,300	1,330	1,330	1,270	1,270	1,210	1,720
7	1,860	1,990	907	1,590	2,790	4,380	1,330	1,400	1,330	1,150	1,270	1,330
8	1,860	1,990	966	1,590	2,870	4,420	1,270	1,460	1,400	1,090	1,330	1,210
9	1,860	1,920	966	1,660	2,950	4,390	1,270	1,400	1,460	1,210	1,330	1,270
10	1,860	1,790	1,030	1,660	2,950	4,380	1,330	1,150	1,520	1,270	1,330	1,270
11	1,920	1,720	1,030	1,660	3,030	4,380	1,330	1,150	1,460	1,460	1,270	1,330
12	1,920	1,660	1,030	1,660	3,110	4,420	1,270	1,150	1,400	1,520	1,210	1,330
13	1,920	1,590	1,090	1,720	3,110	4,440	1,210	1,150	1,330	1,460	1,210	1,270
14	1,920	1,660	1,090	1,720	3,190	4,440	1,270	1,150	1,330	1,460	1,460	1,210
15	1,990	1,720	1,090	1,720	3,350	4,460	1,330	1,330	1,270	1,400	1,660	1,210
16	2,200	1,720	1,150	1,790	3,680	4,460	1,330	1,330	1,150	1,330	1,660	1,150
17	2,420	1,590	1,150	1,790	4,020	4,290	1,330	1,210	1,090	1,270	1,720	1,150
18	2,790	1,520	1,150	1,790	4,330	4,290	1,460	1,210	1,090	1,270	1,720	1,090
19	2,950	1,460	1,210	1,860	4,470	4,200	1,460	1,210	1,150	1,270	1,790	1,210
20	3,110	1,400	1,210	1,860	4,420	4,200	1,270	1,150	1,210	1,210	1,790	1,270
21	3,350	1,400	1,210	1,860	4,380	4,200	1,270	1,150	1,210	1,150	1,790	1,270
22	3,680	1,460	1,270	1,860	4,380	4,150	1,270	1,150	1,090	1,090	1,860	1,330
23	3,930	1,460	1,270	1,860	4,380	3,850	1,270	1,150	1,090	1,210	1,860	1,330
24	4,110	1,460	1,330	1,860	4,380	3,510	1,330	1,090	1,210	1,270	1,860	1,330
25	4,020	1,460	1,330	1,920	4,380	2,950	1,330	1,030	1,270	1,270	1,860	1,330
26	3,850	1,460	1,400	1,920	4,380	2,350	1,330	1,030	1,330	1,270	1,860	1,330
27	3,850	1,460	1,400	1,990	4,300	1,790	1,330	1,150	1,400	1,400	1,860	1,270
28	3,930	848	1,400	2,060	4,420	1,660	1,090	1,330	1,270	1,460	1,920	1,270
29	4,110	732	1,460	2,130	---	1,590	1,150	1,400	1,270	1,460	1,920	1,270
30	4,290	790	1,460	2,200	---	1,520	1,150	1,460	1,330	1,400	1,920	1,270
31	4,420	---	1,460	2,280	---	1,460	---	1,460	---	1,270	1,920	---
MAX	4,420	4,470	1,460	2,280	4,470	4,460	1,460	1,460	1,520	1,520	1,920	1,920
MIN	1,660	732	790	1,460	2,350	1,460	1,090	1,030	1,090	1,090	1,210	1,090
(+)	6,177.35	3,172.40	3,173.50	3,174.70	3,177.35	3,173.50	3,173.00	3,173.50	3,173.30	3,173.20	3,174.20	3,173.20
(++)	+2,900	-3,630	+670	+820	+2,140	-2,960	-310	+310	-130	-60	+650	-650
CAL YR	2004	MAX 5,920	MIN 732(++)	-260								
WTR YR	2005	MAX 4,470	MIN 732(++)	-250								

(+)Elevation in feet, at end of month.

(++)Change in contents, in acre-feet.

08404000 PECOS RIVER BELOW AVALON DAM, NM

LOCATION.--Lat 32°28'55", long 104°15'47", in SW ¼ SW ¼ NE ¼ sec.14, T.21 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on right bank 4,800 ft downstream from Avalon Dam, 4.5 mi northwest of Carlsbad, and at mile 466.3.

DRAINAGE AREA.--18,080 mi², approximately (contributing area).

PERIOD OF RECORD.--January 1906 to March 1907 (published as "at Avalon"), June 1951 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,130 ft above NGVD of 1929, from topographic map. Jan. 1906 to Mar. 1907, nonrecording gage at site 0.5 mi upstream at different datum.

REMARKS.--Records good. Flow completely regulated by Lake Avalon (station 08403800) 0.9 mi upstream. Diversions and ground-water withdrawals upstream from station for irrigation of about 198,000 acres, 1959 determination. Station bypassed by Carlsbad Main Canal (station 08403500). Several observations of water temperature were made during the year. No flow most of time.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 2, 1904, caused in part by failure of Avalon Dam, probably exceeded 90,000 ft³/s, and is probably the greatest flood since 1842. A major flood occurred Aug. 3, 1893, and was described as "greatest in 50 years"; it damaged McMillan Dam, then under construction, and washed out the original Avalon Dam. Another major flood occurred Aug. 7, 1916, discharge 70,000 ft³/s, at site 6.5 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	309	2.9	0.00	0.00	93	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	455	1.3	0.00	0.00	88	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	450	0.11	0.00	0.00	88	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	469	0.00	0.00	0.00	77	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	447	0.00	0.00	0.00	57	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	453	0.00	0.00	0.00	38	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	464	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	476	0.00	0.00	0.00	36	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	468	0.00	0.00	0.00	52	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	460	0.00	0.00	0.00	44	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	453	0.00	0.00	0.00	38	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	448	0.00	0.00	0.00	37	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	448	0.00	0.00	0.00	37	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	459	0.00	0.00	0.00	38	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	518	0.00	0.00	0.00	47	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	548	0.00	0.00	0.00	315	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	535	0.00	0.00	0.00	456	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	524	0.00	0.00	110	471	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	517	0.00	0.00	290	476	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	513	0.00	0.00	132	476	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	517	0.00	0.00	130	476	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	521	0.00	0.00	130	474	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	525	0.00	0.00	123	118	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	522	0.00	0.00	121	8.3	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	520	0.00	0.00	176	5.8	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	514	0.00	0.00	163	4.1	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	502	0.00	0.00	96	2.9	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	223	0.00	0.00	100	1.4	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	8.1	0.00	0.00	---	0.23	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	4.5	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	13,270.6	4.31	0.00	1,571.00	4,073.73	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	442	0.14	0.00	56.1	131	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	548	2.9	0.00	290	476	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	26,320	8.5	0.00	3,120	8,080	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	96.3	46.0	24.5	8.65	10.8	6.46	10.9	35.1	49.5	35.0	50.5	45.3
MAX	2,365	445	435	237	255	188	526	739	1,832	595	2,034	1,113
(WY)	(1955)	(1987)	(1992)	(1987)	(1987)	(1987)	(2004)	(1973)	(1986)	(1960)	(1966)	(1974)
MIN	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)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1951)	(1951)	(1951)	(1951)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1951 - 2005

ANNUAL TOTAL	29,093.07	18,919.64	
ANNUAL MEAN	79.5	51.8	35.3
HIGHEST ANNUAL MEAN			206
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	14,400	Apr 4	548
LOWEST DAILY MEAN	0.00	Jan 1	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			571
MAXIMUM PEAK STAGE			6.22
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (AC-FT)	57,710	37,530	25,600
10 PERCENT EXCEEDS	4.8	195	1.6
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

a From rating curve extended above 33,000 ft³/s, on basis of computation of peak flow over Tansill Dam, 5.8 mi upstream.

b From floodmarks.

08405105 DARK CANYON DRAW NEAR WHITES CITY, NM

LOCATION.--Lat 32°17'42", long 104°21'02", in SW 1/4 SW 1/4 NE 1/4 sec.24, T.23 S., R.25 E., Eddy County, Hydrologic Unit 13060011, on left bank 0.25 mi upstream from mouth of canyon, and approximately 11.0 mi upstream from Dark Canyon Draw at Carlsbad.

DRAINAGE AREA.--327 mi², approximately.

PERIOD OF RECORD.--February 2002 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,544 ft above NGVD of 1929.

REMARKS.--Records good, except for those estimated, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 23, 1966, reached a discharge of 66,000 ft³/s, as determined by slope-area measurement at site 9 mi downstream and 1 mi upstream from Dark Canyon Draw at Carlsbad station. A flood of approximately the same magnitude occurred Sept. 20, 1941. Other major peaks occurred July 17, 1906, July 24, 1908, Apr. 18, 1915, Aug. 8, 1916, Sept. 15, 1919, Aug. 4, 1925, and May 23, 1941.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,500 ft³/s, Apr. 4, 2004, gage height 20.45 ft; minimum, no flow most of the year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 73 ft³/s Aug. 8, 2004, gage height 6.77 ft; minimum, no flow most of the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00
21	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	e0.00	e0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	e0.00	e0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	e0.00	e0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00

CAL YR 2004 TOTAL 8,655.80 MEAN 23.6 MAX 6,720 MIN 0.00 AC-FT 17,170
WTR YR 2005 TOTAL 11.00 MEAN 0.03 MAX 11 MIN 0.00 AC-FT 22

e Estimated

08405150 DARK CANYON DRAW AT CARLSBAD, NM

LOCATION.--Lat 32°24'12", long 104°13'46", in NE ¼ SE ¼ SW ¼ sec.7, T.22 S., R.27 E., Eddy County, Hydrologic Unit 13060011, on right bank and upstream from San Jose Street, and 1.0 mi upstream from mouth. Mouth at Pecos River mile 459.2.

DRAINAGE AREA.--450 mi², approximately.

PERIOD OF RECORD.--January 1973 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,129 ft above NGVD of 1929.

REMARKS.--Records good. A Natural Resources Conservation Service flood-control project on Hackberry Draw, an upstream tributary, has some effect on flood peaks and flow duration. Ground-water withdrawals upstream from station for irrigation of approximately 2,100 acres, 1973 determination, and for municipal supply for Carlsbad. Several observations of water temperature were made during the year. No flow during water year.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 23, 1966, reached a discharge of 66,000 ft³/s, as determined by slope-area measurement at site 1.2 mi upstream. Another flood of approximately the same magnitude occurred Sept. 20, 1941. Other major peaks occurred July 17, 1906, July 24, 1908, July 24, 1911, Apr. 18, 1915, Aug. 8, 1916, Sept. 15, 1919, Aug. 4, 1925, and May 23, 1941.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

	6.20	0.62	0.00	0.00	0.00	0.00	14.0	0.34	11.9	1.71	5.14	20.4
MEAN	6.20	0.62	0.00	0.00	0.00	0.00	14.0	0.34	11.9	1.71	5.14	20.4
MAX	196	19.7	0.00	0.00	0.00	0.00	461	8.81	386	32.4	162	331
(WY)	(1975)	(1979)	(1974)	(1973)	(1973)	(1973)	(2004)	(1979)	(1986)	(2002)	(1984)	(1980)
MIN	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)	(1974)	(1974)	(1974)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1973 - 2005	
ANNUAL TOTAL	14,295.01		0.88			
ANNUAL MEAN	39.1		0.00		5.13	
HIGHEST ANNUAL MEAN					39.1	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	12,400	Apr 4	0.88	Oct 1	12,400	Apr 4, 2004
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 2	0.00	Jan 1, 1973
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 2	0.00	Jan 1, 1973
MAXIMUM PEAK FLOW			10	Oct 1	74,300	Apr 4, 2004
MAXIMUM PEAK STAGE			6.19	Oct 1	20.12	Apr 4, 2004
INSTANTANEOUS LOW FLOW			0.00	Oct 2	0.00	Oct 1, 1993
ANNUAL RUNOFF (AC-FT)	28,350		1.7		3,710	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

08405200 PECOS RIVER BELOW DARK CANYON DRAW, AT CARLSBAD, NM

LOCATION.--Lat 32°24'37", long 104°12'58", in NE ¼ SW ¼ NW ¼ sec.8, T.22 S., R.27 E., Eddy County, Hydrologic Unit 13060011, on left bank 700 ft downstream from mouth of Dark Canyon Draw, 0.3 mi downstream from Lower Tansill Dam and Bataan recreational area, 0.8 mi downstream from bridge on U.S. Highway 62-180 in Carlsbad, and at mile 459.1.

DRAINAGE AREA.--18,550 mi², approximately (contributing area).

PERIOD OF RECORD.--January 1970 to current year.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 3,075.19 ft above NGVD of 1929.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Flow regulated by Lake Avalon (station 08403800) 8.1 mi upstream and by several other reservoirs and up to Nov. 1982 at low stages by power plant. Power plant discontinued operation Nov. 1982. Diversions and ground-water withdrawals upstream from station for irrigation of about 198,000 acres; supplemental ground-water withdrawals irrigate about 23,000 acres downstream, 1959 determination.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 23, 1966, reached a stage of about 22 ft, discharge not determined. (For dates of other historical floods see station 08404000.)

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	179	32	28	25	109	27	44	31	26	24	e27
2	33	406	30	28	25	99	29	41	32	29	25	e28
3	68	421	31	28	24	98	28	40	31	33	25	e29
4	85	434	31	35	24	93	29	31	33	29	26	e28
5	75	437	33	30	34	67	28	30	36	25	29	e27
6	90	438	30	26	29	58	29	36	31	29	32	32
7	108	462	28	27	25	35	33	30	30	34	28	31
8	76	486	28	26	26	37	35	29	29	26	73	e30
9	49	481	28	27	23	59	40	30	29	22	33	e29
10	36	469	26	28	23	56	43	32	29	23	27	e29
11	29	457	27	28	24	45	45	32	29	22	27	e28
12	34	450	27	29	25	47	45	32	28	22	27	e28
13	28	464	24	29	23	46	44	31	28	22	31	32
14	24	476	24	33	23	48	50	31	27	22	47	e28
15	23	575	26	e32	24	58	53	91	27	22	39	26
16	22	611	25	e31	23	253	45	49	28	22	34	26
17	22	630	26	e30	23	493	46	46	28	22	31	31
18	22	617	25	e29	38	536	45	44	27	23	30	28
19	23	599	26	e30	348	566	41	44	27	22	39	27
20	14	601	28	30	162	562	53	41	26	22	37	26
21	2.5	581	25	26	155	558	61	37	26	25	31	27
22	0.92	682	28	25	154	557	46	37	29	25	29	28
23	0.88	682	25	24	154	253	39	39	34	24	30	27
24	10	690	26	25	133	30	39	39	34	23	40	28
25	20	691	25	24	214	28	40	37	30	23	32	28
26	21	571	27	25	207	35	39	35	27	24	31	27
27	21	527	27	25	127	29	39	34	27	24	31	28
28	20	386	27	26	109	28	39	45	26	24	31	32
29	19	41	28	26	---	29	39	41	27	24	29	32
30	22	31	30	27	---	29	39	36	26	25	29	29
31	21	---	28	24	---	31	---	32	---	25	29	---
TOTAL	1,101.30	14,575	851	861	2,224	4,972	1,208	1,196	872	763	1,006	856
MEAN	35.5	486	27.5	27.8	79.4	160	40.3	38.6	29.1	24.6	32.5	28.5
MAX	108	691	33	35	348	566	61	91	36	34	73	32
MIN	0.88	31	24	24	23	28	27	29	26	22	24	26
AC-FT	2,180	28,910	1,690	1,710	4,410	9,860	2,400	2,370	1,730	1,510	2,000	1,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	MEAN	79.3	85.6	47.9	34.9	38.0	32.0	41.4	51.2	96.0	54.1	34.1	95.9
MAX	727	527	367	319	305	249	790	702	2,041	345	674	1,250	
(WY)	(1975)	(1987)	(1992)	(1987)	(1987)	(1987)	(2004)	(1973)	(1986)	(1986)	(1984)	(1974)	
MIN	0.16	8.07	6.27	7.40	8.55	6.02	0.09	0.31	0.26	0.00	0.00	0.00	
(WY)	(2004)	(1978)	(1991)	(2004)	(2004)	(1978)	(1972)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	46,026.30		30,485.30			
ANNUAL MEAN	126		83.5		58.0	
HIGHEST ANNUAL MEAN					242	
LOWEST ANNUAL MEAN					10.9	
HIGHEST DAILY MEAN	20,800		691		22,800	
LOWEST DAILY MEAN	0.88		0.88		0.00	
ANNUAL SEVEN-DAY MINIMUM	6.9		9.9		0.00	
MAXIMUM PEAK FLOW			905		73,000	
MAXIMUM PEAK STAGE			4.20		20.80	
INSTANTANEOUS LOW FLOW			0.75		0.00	
ANNUAL RUNOFF (AC-FT)	91,290		60,470		42,040	
10 PERCENT EXCEEDS	128		230		48	
50 PERCENT EXCEEDS	22		30		18	
90 PERCENT EXCEEDS	7.5		23		3.7	

e Estimated

08405450 BLUE SPRINGS ABOVE DIVERSIONS NEAR WHITES CITY, NM

LOCATION.--Lat 32°11'07", long 104°16'50", in SW ¼ NE ¼ SW ¼ sec.27, T.24 S., R.26 E., Eddy County, Hydrologic Unit 13060011, upstream from all diversions, and 5.5 mi east of Whites City.

PERIOD OF RECORD.--April 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,110 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Station located above all known diversions. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 23 ft³/s, Sept. 25, 2004; minimum discharge, 6.4 ft³/s, Sept. 6, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 22 ft³/s, Nov. 15; minimum discharge, 1.1 ft³/s, May 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	17	16	17	17	16	15	14	13	13	13	12
2	14	17	16	16	17	16	15	14	13	13	13	12
3	14	17	16	16	17	16	15	14	13	13	13	12
4	14	17	16	16	17	16	15	14	13	13	13	14
5	14	17	16	16	17	16	15	14	13	13	13	13
6	18	17	16	16	17	16	15	14	13	13	13	12
7	15	17	16	16	17	16	15	14	13	13	13	12
8	14	17	16	16	17	16	15	14	13	13	13	12
9	14	17	16	16	17	16	15	14	13	13	13	12
10	14	17	16	16	17	16	15	14	13	13	13	12
11	14	17	16	16	17	16	15	14	13	13	13	12
12	14	17	16	16	17	17	15	14	13	13	13	12
13	14	17	16	16	17	17	15	14	13	13	13	12
14	14	18	16	16	17	16	15	14	13	13	13	12
15	14	22	16	16	17	17	15	14	13	13	13	12
16	14	20	16	16	17	16	15	14	13	13	13	12
17	15	18	16	16	17	17	14	14	13	13	13	12
18	15	17	16	16	17	17	14	14	13	13	13	12
19	15	17	16	16	17	17	14	14	13	13	13	12
20	15	17	16	16	17	17	14	13	13	13	14	12
21	15	17	16	17	17	17	14	11	13	12	13	12
22	15	19	16	17	17	17	13	11	13	12	13	12
23	15	20	17	17	17	17	12	11	13	13	13	12
24	15	17	17	17	17	14	13	11	13	13	13	12
25	16	17	17	17	17	13	13	11	13	13	13	12
26	16	17	17	17	17	13	13	16	13	13	13	12
27	16	17	16	17	16	13	14	11	13	13	13	12
28	16	17	16	17	16	13	15	14	13	13	14	11
29	16	16	16	17	---	13	15	12	13	13	13	11
30	16	16	17	17	---	14	14	13	13	13	13	11
31	16	---	17	17	---	15	---	13	---	13	12	---
TOTAL	463	523	502	508	474	486	432	413	390	401	404	360
MEAN	14.9	17.4	16.2	16.4	16.9	15.7	14.4	13.3	13.0	12.9	13.0	12.0
MAX	18	22	17	17	17	17	15	16	13	13	14	14
MIN	14	16	16	16	16	13	12	11	13	12	12	11
AC-FT	918	1,040	996	1,010	940	964	857	819	774	795	801	714
CAL YR	2004	TOTAL 4,502.4	MEAN 12.3	MAX 23	MIN 8.2	AC-FT 8,930						
WTR YR	2005	TOTAL 5,356	MEAN 14.7	MAX 22	MIN 11	AC-FT 10,620						

08405500 BLACK RIVER ABOVE MALAGA, NM

LOCATION.--Lat 32°13'44", long 104°09'02", in SW 1/4 NW 1/4 SW 1/4 sec.12, T.24 S., R.27 E., Eddy County, Hydrologic Unit 13060011, on right bank 0.6 mi upstream from Black River diversion dam, 4.8 mi west of Malaga, and 7.1 mi upstream from mouth. Mouth at Pecos River mile 436.3.

DRAINAGE AREA.--343 mi².

PERIOD OF RECORD.--March to December 1940, December 1946 to current year.

REVISED RECORDS.--WSP 1632: 1948, 1949-50(P).

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 3,070 ft above NGVD of 1929, from topographic map. Mar. to Dec. 1940, water-stage recorder and Cippoletti weir at site 0.3 mi downstream at different datum.

REMARKS.--Records good. Diversions and ground-water withdrawals for irrigation of about 1,000 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 20 or 21, 1941, reached a stage of 19.0 ft, present site and datum, determined in 1947 from well-defined floodmarks, discharge, 33,000 ft³/s, from rating curve extended above 1,400 ft³/s on basis of slope-area measurements at gage heights 8.41 ft and 12.60 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	331	9.9	13	12	14	15	11	13	11	6.5	8.0	11
2	39	11	12	12	14	15	12	12	11	5.9	7.8	10
3	23	11	12	12	14	15	12	12	11	7.7	7.7	9.7
4	18	10	11	12	14	15	12	12	11	7.8	7.7	14
5	124	10	12	12	15	15	12	12	10	7.7	8.5	14
6	278	10	12	12	16	15	12	12	11	7.8	8.9	12
7	46	10	12	12	16	15	12	12	10	9.0	9.5	9.7
8	31	10	12	12	15	15	12	11	9.9	9.3	8.8	9.0
9	22	10	12	12	15	15	12	11	9.8	8.5	8.6	8.5
10	14	10	12	12	15	15	12	11	9.3	8.7	8.6	8.4
11	11	10	12	12	15	15	11	11	8.5	8.8	8.8	8.9
12	9.7	10	12	12	16	15	12	11	7.3	8.7	8.2	9.2
13	9.1	11	12	12	15	14	12	11	6.9	10	7.5	8.9
14	8.9	12	12	12	15	14	12	11	6.8	8.7	6.7	8.6
15	8.9	26	12	12	15	15	12	12	6.8	6.9	14	8.6
16	9.1	24	12	12	15	15	12	15	6.8	10	9.7	8.6
17	9.4	15	12	12	15	15	51	12	6.9	7.6	9.1	8.9
18	9.3	12	12	12	15	15	61	11	7.0	6.7	8.7	9.2
19	9.2	11	12	12	16	15	20	11	7.3	6.7	8.8	8.7
20	9.3	11	12	12	16	15	15	11	7.2	6.6	8.5	8.5
21	9.2	10	12	12	16	15	14	11	6.9	6.6	39	8.4
22	9.4	15	12	12	15	14	14	11	6.9	6.6	18	8.4
23	9.3	31	12	12	15	14	12	9.8	6.9	6.6	14	8.4
24	9.4	23	12	13	16	14	9.2	8.8	6.9	6.6	18	8.3
25	9.5	13	12	13	18	14	9.3	8.1	7.1	6.5	14	8.2
26	9.7	11	12	13	17	11	9.7	23	7.1	6.5	12	8.1
27	9.7	10	12	14	16	10	9.8	21	6.0	7.6	11	8.1
28	9.7	9.9	12	14	16	11	11	14	6.6	8.6	48	8.5
29	9.6	11	12	14	---	10	11	15	6.8	8.4	45	7.8
30	9.4	13	12	14	---	9.4	11	16	8.7	8.3	19	8.2
31	9.5	---	12	14	---	9.3	---	13	---	8.2	13	---
TOTAL	1,124.3	390.8	372	385	430	429.7	448.0	384.7	245.4	240.1	501.6	276.8
MEAN	36.3	13.0	12.0	12.4	15.4	13.9	14.9	12.4	8.18	7.75	16.2	9.23
MAX	331	31	13	14	18	15	61	23	11	10	85	14
MIN	8.9	9.9	11	12	14	9.3	9.2	8.1	6.0	5.9	6.7	7.8
AC-FT	2,230	775	738	764	853	852	889	763	487	476	995	549

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

	13.0	9.39	9.58	10.4	10.3	7.30	10.7	12.2	14.6	14.1	22.5	19.7
MEAN												
MAX	80.4	33.0	17.5	18.7	19.7	15.0	55.5	106	87.8	111	553	121
(WY)	(1955)	(1966)	(1989)	(1987)	(1987)	(1993)	(1954)	(1965)	(1986)	(1960)	(1966)	(1955)
MIN	2.54	1.15	3.79	2.82	4.11	2.01	4.67	4.27	2.82	3.06	2.99	3.04
(WY)	(1980)	(1978)	(1964)	(1964)	(1960)	(1978)	(1978)	(1974)	(1974)	(1974)	(2003)	(2003)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948 - 2005	
ANNUAL TOTAL	5,277.3		5,228.4			
ANNUAL MEAN	14.4		14.3		12.8	
HIGHEST ANNUAL MEAN					58.3	
LOWEST ANNUAL MEAN					6.10	
HIGHEST DAILY MEAN	912	Sep 30	331	Oct 1	12,000	Aug 23, 1966
LOWEST DAILY MEAN	2.5	Jul 13	5.9	Jul 2	0.01	Sep 30, 1998
ANNUAL SEVEN-DAY MINIMUM	2.8	Jul 13	6.6	Jul 20	1.0	Nov 9, 1977
MAXIMUM PEAK FLOW			1,820	Oct 1	a74,600	Aug 23, 1966
MAXIMUM PEAK STAGE			6.30	Oct 1	b21.70	Aug 23, 1966
INSTANTANEOUS LOW FLOW			4.5	Jul 1	0.00	Sep 30, 1998
ANNUAL RUNOFF (AC-FT)	10,470		10,370		9,290	
10 PERCENT EXCEEDS	12		16		14	
50 PERCENT EXCEEDS	5.2		12		8.1	
90 PERCENT EXCEEDS	3.8		7.7		4.1	

a From rating curve extended above 5,900 ft³/s, on basis of slope-area measurement at gage heights 12.60 ft and 21.7 ft
b From floodmarks

08406000 BLACK RIVER AT MALAGA, NM

LOCATION.--Lat 32°14'58", long 104°03'53", in SW 1/4 NW 1/4 SE 1/4 sec.2, T.24 S., R.28 E., Eddy County, Hydrologic Unit 13060011, on left bank of Black River, about 1.3 mi upstream from the mouth of Pecos River.

DRAINAGE AREA.--350 mi², approximately.

PERIOD OF RECORD.--February 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,910 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,940 ft³/s, Apr. 4, 2004, gage height, 25.73 ft, from floodmarks; minimum, 1.3 ft³/s, Aug. 8, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,750 ft³/s, Oct. 1, gage height, 17.03 ft; minimum, 3.1 ft³/s, Mar. 31, 2005.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	554	12	14	15	11	17	15	14	16	7.4	7.6	6.5
2	66	13	14	15	16	17	10	11	15	6.9	13	5.8
3	30	13	14	15	16	17	5.1	14	15	6.7	14	5.7
4	20	13	14	15	16	17	7.3	19	14	8.4	8.1	10
5	32	13	15	15	17	17	5.3	12	23	10	7.0	9.0
6	496	13	15	15	18	17	6.8	8.5	17	23	8.1	8.7
7	81	13	14	15	18	17	6.3	7.5	14	11	18	8.8
8	43	13	14	15	17	17	4.3	8.1	11	9.6	17	14
9	31	13	14	15	17	17	3.9	15	8.6	9.3	16	11
10	18	13	14	15	17	17	6.3	11	21	12	12	11
11	15	12	14	15	17	17	13	12	19	12	15	12
12	14	12	14	15	17	10	20	7.8	10	9.2	18	14
13	13	13	14	15	17	8.3	16	8.8	10	8.3	17	11
14	13	14	14	15	17	7.8	9.9	8.3	11	16	56	9.7
15	12	31	14	15	17	8.0	13	7.3	7.8	12	24	6.9
16	12	39	14	15	17	8.6	21	19	8.5	10	16	6.1
17	12	20	14	15	17	8.4	22	32	14	9.4	12	6.0
18	12	16	14	15	17	8.1	176	15	17	6.5	10	6.0
19	12	15	14	15	17	8.0	19	9.4	14	5.8	10	15
20	12	14	15	15	17	8.1	10	7.2	24	7.3	59	18
21	11	14	15	15	17	8.0	8.9	10	11	7.7	78	18
22	11	18	15	15	17	7.6	8.9	8.0	7.1	6.9	19	8.1
23	11	39	15	15	17	8.6	7.3	17	7.3	6.8	12	9.5
24	11	35	15	15	18	24	7.1	15	7.5	14	12	8.7
25	12	19	15	16	19	16	6.9	13	6.5	14	13	12
26	11	16	15	16	19	7.2	6.8	16	6.4	12	11	17
27	15	15	15	16	18	4.6	6.7	31	6.5	9.7	9.8	8.8
28	13	15	15	16	18	4.0	8.9	28	12	15	9.7	9.4
29	14	14	15	16	---	3.7	12	60	12	11	72	13
30	14	14	15	16	---	3.5	19	22	8.7	7.2	23	10
31	12	---	15	16	---	3.4	---	19	---	6.6	13	---
TOTAL	1,633	514	448	472	476	352.9	482.7	485.9	374.9	311.7	630.3	309.7
MEAN	52.7	17.1	14.5	15.2	17.0	11.4	16.1	15.7	12.5	10.1	20.3	10.3
MAX	554	39	15	16	19	24	176	60	24	23	78	18
MIN	11	12	14	15	11	3.4	3.9	7.2	6.4	5.8	7.0	5.7
AC-FT	3,240	1,020	889	936	944	700	957	964	744	618	1,250	614
CAL YR	2004	TOTAL 7,192.6	MEAN 19.7	MAX 1,230	MIN 1.5	AC-FT 14,270						
WTR YR	2005	TOTAL 6,491.1	MEAN 17.8	MAX 554	MIN 3.4	AC-FT 12,880						

08406500 PECOS RIVER NEAR MALAGA, NM

LOCATION.--Lat 32°12'30", long 104°01'20", in SW 1/4 NW 1/4 NE 1/4 sec.19, T.24 S., R.29 E., Eddy County, Hydrologic Unit 13060011, on right bank 3.1 mi southeast of Malaga, 4.3 mi downstream from Black River, and at mile 432.2.

DRAINAGE AREA.--19,190 mi², approximately (contributing area).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1920 to current year. Monthly discharge only for some periods, published in WSP 1312.

REVISED RECORDS.--WSP 1632: 1925, 1932-37.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 2,895.64 ft above NGVD of 1929. May 1, 1920, to Mar. 24, 1949, at datum 3 ft higher.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Flow regulated by many reservoirs and diversion dams. Diversions and ground-water withdrawals upstream from station for irrigation of about 202,000 acres, 1959 determination. Harroun canal bypasses gage on left bank and irrigates approximately 1,000 acres adjacent to and downstream from gage. This bypass is not gaged.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in 1904, discharge not determined. Flood of Aug. 7, 1916, reached a discharge of 70,000 ft³/s, at Carlsbad, 27 mi upstream. Flood in Sept. 1919 reached a stage of 29.4 ft, present datum, discharge, 40,400 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	735	56	103	77	69	156	62	58	69	52	58	61
2	163	212	96	77	71	162	64	59	65	52	59	58
3	92	420	92	78	73	148	59	68	63	52	67	56
4	78	432	89	80	73	145	67	82	63	50	59	59
5	85	458	90	81	74	143	66	76	65	50	60	69
6	524	443	89	78	84	120	66	67	68	64	60	63
7	161	468	90	74	91	110	64	65	65	57	58	58
8	109	486	81	74	78	91	62	73	58	56	72	62
9	90	503	82	74	74	80	61	71	54	61	83	58
10	79	498	80	74	73	87	62	62	55	58	113	60
11	72	481	79	74	74	96	63	66	59	60	73	61
12	69	475	78	72	76	84	74	62	51	63	74	75
13	68	494	78	74	75	78	76	61	49	56	74	69
14	68	510	75	68	74	74	75	61	55	62	152	60
15	66	626	74	70	71	76	68	63	54	62	451	60
16	64	675	75	71	72	83	85	128	53	59	106	61
17	57	584	75	70	71	284	88	103	58	59	79	59
18	59	561	74	70	72	444	218	78	63	55	71	59
19	59	544	75	71	80	517	94	66	61	54	69	70
20	61	536	76	72	308	535	69	63	64	55	93	75
21	62	528	77	73	206	535	64	62	58	56	148	76
22	57	555	80	73	200	532	e59	59	53	51	89	64
23	48	637	83	71	201	519	60	65	52	51	76	64
24	43	566	83	70	212	236	59	67	50	61	72	62
25	41	553	81	71	205	106	61	61	50	64	77	69
26	40	537	78	73	245	78	61	130	51	66	73	72
27	57	523	77	74	238	69	60	89	54	66	68	65
28	59	512	77	76	186	73	60	256	55	68	69	61
29	59	332	78	75	---	66	60	150	57	70	101	66
30	62	139	78	72	---	65	62	86	54	61	83	60
31	57	---	78	73	---	59	---	74	---	59	69	---
TOTAL	3,344	14,344	2,521	2,280	3,426	5,851	2,149	2,531	1,726	1,810	2,856	1,912
MEAN	108	478	81.3	73.5	122	189	71.6	81.6	57.5	58.4	92.1	63.7
MAX	735	675	103	81	308	535	218	256	69	70	451	76
MIN	40	56	74	68	69	59	59	58	49	50	58	56
AC-FT	6,630	28,450	5,000	4,520	6,800	11,610	4,260	5,020	3,420	3,590	5,660	3,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	251	154	117	104	90.7	65.8	64.7	196	158	104	139	250
MAX	5,302	1,338	822	738	557	290	697	6,887	2,984	1,171	4,200	6,975
(WY)	(1942)	(1942)	(1942)	(1942)	(1942)	(1987)	(1942)	(1941)	(1941)	(1941)	(1966)	(1941)
MIN	8.49	7.82	7.87	10.5	11.9	9.41	8.80	7.85	8.93	6.70	6.20	8.14
(WY)	(1978)	(1978)	(1978)	(1978)	(1965)	(1978)	(1965)	(1978)	(1977)	(1977)	(1977)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1938 - 2005

ANNUAL TOTAL	51,751	44,750	
ANNUAL MEAN	141	123	a141
HIGHEST ANNUAL MEAN			1,652
LOWEST ANNUAL MEAN			16.8
HIGHEST DAILY MEAN	15,600	Apr 4	735
LOWEST DAILY MEAN	18	Jan 30	40
ANNUAL SEVEN-DAY MINIMUM	20	Jan 29	49
MAXIMUM PEAK FLOW			1,740
MAXIMUM PEAK STAGE			8.76
INSTANTANEOUS LOW FLOW			38
ANNUAL RUNOFF (AC-FT)	102,600		88,760
10 PERCENT EXCEEDS	270		318
50 PERCENT EXCEEDS	40		72
90 PERCENT EXCEEDS	23		57
			191
			53
			15

a Average discharge, 16 years (water years 1921-36), 274 ft³/s, 198,500 acre-ft/yr, prior to completion of Lake Sumner.

b From rating curve extended above 36,000 ft³/s, on basis of slope-area measurement of peak flow.

c From floodmarks.

e Estimated

08406500 PECOS RIVER NEAR MALAGA, NM—Continued

WATER-QUALITY RECORDS

LOCATION.--Once-daily samples collected 2.5 mi upstream from discharge station.

PERIOD OF RECORD.--Water years 1937 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1937 to June 1986, March 2003 to current year.

WATER TEMPERATURE: February 1959 to June 1986, March 2003 to current year.

INSTRUMENTATION.--Specific conductance and thermistor since March 2003. Hourly data logged.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 28,100 microsiemens, June 7, 1966; minimum, 402 microsiemens, Aug. 12, 1984.

WATER TEMPERATURE: Maximum, 34.0 °C, Aug. 4, 2003; minimum, 2.0 °C, Dec. 25 and 26, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 7,650 microsiemens, Apr. 1; minimum, 1,520 microsiemens, Oct. 7.

WATER TEMPERATURE: Maximum, 32.2 °C, July 14; minimum, 3.6 °C, Dec. 25.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instan- taneous dis- charge, cfs (00061)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
OCT						
13...	1350	60	4,780	16.0	21.0	3,310
DEC						
06...	1130	89	5,010	10.2	10.1	3,460
JAN						
14...	1310	66	5,160	--	9.1	3,870
FEB						
16...	1010	72	5,160	--	11.2	3,650
MAR						
31...	1115	57	7,620	17.0	16.4	5,470
MAY						
17...	1045	95	6,370	30.0	23.6	4,490
JUN						
17...	0935	59	6,410	32.3	27.7	4,640
JUL						
11...	1100	59	6,960	34.0	28.6	5,260

08406500 PECOS RIVER NEAR MALAGA, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.2	16.9	18.6	16.8	14.1	15.9	9.8	8.4	9.0	11.4	9.6	10.3
2	20.1	19.2	19.5	14.1	11.2	12.3	9.1	7.9	8.6	11.1	10.3	10.7
3	20.8	19.0	19.7	13.3	11.2	12.1	9.1	7.7	8.4	11.1	10.4	10.8
4	22.4	20.2	21.0	13.0	11.4	12.1	9.6	8.4	9.1	13.2	10.8	11.8
5	22.8	21.0	21.7	13.7	11.6	12.5	10.4	9.2	9.8	12.4	11.3	12.0
6	21.6	16.1	18.2	13.8	12.2	12.9	10.6	9.7	10.1	11.3	9.7	10.5
7	20.9	17.9	19.3	13.7	12.2	12.9	10.6	9.0	9.7	10.4	8.9	9.6
8	21.9	20.4	21.2	14.3	12.5	13.3	10.8	9.4	10.1	11.0	9.0	9.9
9	22.6	20.3	21.2	15.1	13.2	14.0	11.4	9.8	10.6	11.0	9.7	10.3
10	22.7	20.0	21.1	15.6	13.8	14.6	11.5	10.0	10.7	11.9	10.1	10.7
11	21.1	20.2	20.6	14.7	13.5	14.2	11.6	9.6	10.5	11.4	10.4	10.8
12	21.8	19.3	20.2	14.1	12.9	13.4	11.6	9.8	10.7	10.9	9.8	10.5
13	21.3	19.4	20.0	13.1	11.9	12.6	11.1	10.1	10.6	10.2	8.9	9.5
14	20.5	18.2	19.2	11.9	11.2	11.6	10.1	8.7	9.4	9.1	8.3	8.7
15	22.0	17.9	19.2	11.2	10.6	10.9	9.2	7.8	8.5	9.4	7.6	8.5
16	20.8	18.4	19.2	10.9	10.4	10.6	9.0	7.8	8.4	9.0	7.7	8.3
17	18.9	17.8	18.3	11.7	10.3	10.9	9.2	7.8	8.5	8.6	7.1	7.8
18	18.4	17.0	17.7	12.4	11.1	11.7	8.8	7.5	8.1	9.0	7.2	8.1
19	18.8	17.4	18.0	12.9	11.8	12.2	8.5	7.1	7.9	10.0	8.2	9.0
20	20.7	17.4	18.6	13.5	12.2	12.7	9.4	7.3	8.2	10.2	8.6	9.4
21	21.6	18.2	19.2	12.9	12.5	12.7	9.1	7.7	8.4	10.5	9.1	9.7
22	19.7	18.7	19.1	13.1	12.5	12.7	8.6	7.2	8.0	11.2	9.8	10.4
23	20.9	17.5	18.8	12.8	12.0	12.5	7.2	4.6	5.9	10.3	9.0	9.7
24	20.1	17.1	18.4	12.4	11.3	11.8	5.0	3.9	4.5	10.7	8.3	9.4
25	19.5	17.8	18.6	12.2	11.0	11.5	5.2	3.6	4.4	11.8	9.8	10.7
26	21.8	17.9	19.6	12.2	10.9	11.5	5.9	4.1	5.0	11.3	10.8	11.1
27	22.5	19.3	20.6	12.0	10.9	11.4	6.8	5.2	6.1	11.1	10.8	10.9
28	22.8	20.7	21.4	12.1	11.0	11.5	7.6	5.9	6.8	12.2	10.4	11.2
29	21.1	19.1	20.2	11.5	10.3	11.1	8.4	7.1	7.8	12.4	10.6	11.5
30	19.1	17.6	18.3	10.3	9.0	9.6	9.9	7.9	8.9	13.0	11.2	11.9
31	17.8	16.8	17.4	---	---	---	10.6	8.8	9.7	11.6	10.3	11.0
MONTH	22.8	16.1	19.5	16.8	9.0	12.3	11.6	3.6	8.5	13.2	7.1	10.2
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.3	9.2	9.7	13.7	12.2	13.0	16.9	13.1	14.6	21.6	17.9	19.8
2	10.2	9.0	9.5	14.2	12.5	13.4	17.7	13.6	15.4	20.2	16.4	18.0
3	10.3	8.4	9.3	14.8	13.2	14.0	17.8	14.7	15.9	16.4	14.5	15.3
4	10.2	8.5	9.4	15.0	13.6	14.3	18.5	15.6	16.9	17.6	14.3	15.5
5	9.8	9.6	9.7	14.9	14.5	14.7	18.4	16.4	17.2	20.1	16.6	17.7
6	10.6	9.1	9.9	15.1	14.3	14.6	18.0	15.8	16.9	22.0	18.1	19.6
7	11.8	9.7	10.7	15.9	14.0	15.0	21.0	16.0	17.7	22.3	20.0	21.0
8	12.7	10.4	11.4	17.4	14.4	15.7	20.3	16.9	18.2	22.8	20.0	21.2
9	12.4	11.1	11.7	17.3	14.6	15.9	20.2	17.6	18.8	23.8	19.9	21.6
10	11.6	10.8	11.1	17.4	14.9	16.1	19.4	17.2	18.1	25.7	20.4	22.3
11	11.0	10.4	10.7	17.7	15.5	16.5	19.9	16.0	17.6	24.7	22.1	23.4
12	12.2	10.5	11.3	17.4	15.1	16.4	20.3	16.7	18.2	27.5	23.0	24.5
13	13.7	11.2	12.4	17.5	15.3	16.3	21.1	17.5	19.0	26.7	22.9	24.5
14	14.8	12.0	13.2	16.2	14.7	15.5	20.3	18.3	19.2	24.6	22.5	23.2
15	13.8	12.8	13.3	15.2	12.9	14.2	20.3	18.3	19.1	22.5	20.8	21.5
16	13.7	12.5	13.2	14.0	11.6	12.9	19.4	18.3	18.7	22.9	20.4	21.5
17	13.1	12.1	12.7	14.3	12.3	13.3	21.4	17.5	19.1	23.4	21.6	22.5
18	12.1	11.0	11.4	14.9	13.0	13.8	20.8	18.6	19.8	26.4	21.6	23.2
19	13.3	10.7	11.9	15.2	13.5	14.2	21.8	19.0	20.4	27.9	22.7	24.5
20	14.2	11.8	13.3	15.7	13.8	14.6	23.4	20.0	21.6	28.1	24.2	25.8
21	14.9	12.6	13.8	15.6	13.7	14.5	24.9	20.1	21.6	28.4	25.3	26.7
22	15.2	13.2	14.3	15.5	13.1	14.2	21.8	19.9	20.8	28.3	25.7	26.8
23	15.7	14.0	15.0	16.1	14.0	14.9	21.1	19.7	20.4	30.0	25.7	26.7
24	15.6	12.3	13.7	16.8	14.4	15.6	21.6	18.8	19.4	27.4	25.6	26.4
25	12.3	11.5	11.8	17.0	15.3	16.0	21.1	18.0	19.4	27.2	25.5	26.3
26	12.2	11.1	11.7	15.7	13.9	15.1	22.1	18.3	19.7	26.4	23.1	24.7
27	12.5	10.7	11.7	16.4	12.6	14.3	22.5	18.5	20.3	23.3	22.7	23.1
28	13.2	10.7	12.1	18.3	14.0	15.7	22.8	19.0	20.6	23.0	22.0	22.5
29	---	---	---	17.3	15.6	16.3	21.3	19.2	20.1	24.6	22.0	23.3
30	---	---	---	16.9	14.6	15.6	22.5	18.1	19.4	26.5	23.6	24.8
31	---	---	---	16.8	14.2	15.2	---	---	---	27.3	24.8	25.8
MONTH	15.7	8.4	11.8	18.3	11.6	14.9	24.9	13.1	18.8	30.0	14.3	22.7

RIO GRANDE BASIN

08406500 PECOS RIVER NEAR MALAGA, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2,590	1,520	1,920	4,880	4,790	4,850	4,700	4,550	4,630	5,210	5,160	5,190
2	3,420	2,590	3,110	4,970	4,880	4,910	4,770	4,700	4,740	5,180	5,130	5,160
3	3,880	3,420	3,670	5,000	4,890	4,960	4,860	4,770	4,810	5,180	5,100	5,140
4	4,220	3,880	4,070	4,980	4,290	4,660	4,910	4,860	4,890	5,180	5,130	5,170
5	4,460	4,220	4,350	4,290	3,850	4,030	4,950	4,910	4,930	5,160	5,120	5,130
6	4,260	1,560	2,320	4,160	3,860	4,010	4,980	4,940	4,960	5,140	5,120	5,130
7	3,260	2,060	2,660	4,220	4,160	4,200	4,950	4,900	4,930	5,180	5,100	5,150
8	3,910	3,260	3,660	4,160	3,700	3,900	4,930	4,900	4,920	5,140	5,100	5,120
9	4,150	3,910	4,030	3,700	3,560	3,610	4,960	4,930	4,940	5,180	5,120	5,150
10	4,240	4,140	4,180	3,680	3,560	3,610	5,010	4,960	4,980	5,150	5,120	5,140
11	4,460	4,240	4,360	3,900	3,680	3,800	5,070	5,010	5,040	5,160	5,130	5,150
12	4,660	4,460	4,570	4,020	3,900	3,980	5,130	5,070	5,110	5,170	5,120	5,140
13	4,790	4,660	4,740	4,050	4,020	4,030	5,180	5,130	5,160	5,180	5,140	5,160
14	4,750	4,720	4,740	4,080	4,050	4,070	5,240	5,180	5,210	5,260	5,150	5,210
15	4,770	4,730	4,740	4,060	3,920	4,000	5,280	5,240	5,260	5,230	5,170	5,210
16	4,740	4,700	4,720	3,920	3,680	3,800	5,310	5,270	5,290	5,220	5,170	5,200
17	4,700	4,670	4,680	3,840	3,690	3,770	5,340	5,290	5,320	5,240	5,170	5,210
18	4,670	4,610	4,630	3,840	3,790	3,830	5,360	5,340	5,350	5,210	5,170	5,190
19	4,610	4,550	4,590	3,790	3,660	3,720	5,350	5,330	5,340	5,210	5,140	5,180
20	4,570	4,530	4,550	3,810	3,660	3,710	5,370	5,320	5,340	5,170	5,140	5,150
21	4,540	4,500	4,520	4,060	3,810	3,940	5,340	5,300	5,320	5,170	5,130	5,150
22	4,500	4,460	4,480	4,240	4,060	4,160	5,300	5,280	5,300	5,130	5,100	5,120
23	4,500	4,450	4,470	4,220	4,180	4,210	5,290	5,260	5,270	5,110	5,090	5,100
24	4,520	4,450	4,480	4,320	4,200	4,250	5,290	5,230	5,250	5,130	5,030	5,090
25	4,560	4,520	4,540	4,340	4,160	4,280	5,260	5,230	5,250	5,080	5,030	5,050
26	4,590	4,560	4,580	4,240	4,160	4,200	5,250	5,220	5,240	5,050	5,020	5,030
27	4,630	4,570	4,600	4,390	4,240	4,310	5,240	5,200	5,220	5,030	5,000	5,010
28	4,620	4,570	4,590	4,510	4,390	4,470	5,220	5,190	5,210	5,010	4,960	4,990
29	4,720	4,610	4,670	4,460	4,360	4,380	5,210	5,180	5,200	4,960	4,930	4,940
30	4,740	4,630	4,710	4,550	4,390	4,460	5,200	5,130	5,170	4,980	4,900	4,950
31	4,790	4,630	4,690	---	---	---	5,190	5,100	5,150	4,950	4,880	4,920
MONTH	4,790	1,520	4,210	5,000	3,560	4,140	5,370	4,550	5,120	5,260	4,880	5,120
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4,920	4,870	4,890	5,460	5,300	5,400	7,650	7,590	7,610	6,620	6,560	6,590
2	5,160	4,920	5,070	5,680	5,290	5,530	7,600	7,130	7,370	6,560	6,300	6,370
3	5,150	4,950	5,000	5,610	4,940	5,350	7,140	7,090	7,110	6,460	6,330	6,430
4	4,950	4,850	4,890	5,450	4,450	5,050	7,200	7,090	7,170	6,410	6,200	6,320
5	4,870	4,740	4,820	5,030	4,450	4,740	7,160	6,980	7,040	6,270	6,190	6,230
6	4,760	4,730	4,740	5,060	4,550	4,800	7,030	6,990	7,010	6,300	6,240	6,270
7	4,760	4,730	4,740	5,070	4,300	4,720	6,990	6,910	6,960	6,330	6,290	6,320
8	4,780	4,690	4,750	4,690	4,150	4,410	6,930	6,880	6,900	6,350	6,260	6,320
9	4,710	4,660	4,690	4,650	4,140	4,350	7,000	6,930	6,980	6,270	6,210	6,250
10	4,680	4,660	4,670	4,510	4,120	4,270	7,020	6,970	6,990	6,350	6,260	6,300
11	4,690	4,660	4,670	4,740	4,240	4,490	7,040	6,900	7,000	6,370	6,320	6,350
12	4,680	4,650	4,670	4,770	4,360	4,540	6,900	6,680	6,840	6,370	6,340	6,350
13	4,720	4,660	4,680	4,970	4,540	4,810	6,680	6,450	6,550	6,420	6,350	6,390
14	4,690	4,650	4,670	5,260	4,970	5,140	6,660	6,450	6,560	6,450	6,380	6,410
15	4,710	4,630	4,680	5,580	5,200	5,410	6,860	6,660	6,770	6,460	6,430	6,440
16	4,660	4,630	4,640	6,020	5,580	5,850	6,860	6,590	6,780	6,440	6,230	6,350
17	4,640	4,500	4,580	---	---	---	6,590	6,350	6,470	6,230	6,060	6,180
18	4,670	4,510	4,600	---	---	---	6,350	4,680	5,480	6,060	5,670	5,780
19	4,730	4,560	4,660	---	---	---	5,650	4,940	5,270	5,860	5,750	5,810
20	5,070	4,550	4,860	---	---	---	6,240	5,650	5,990	5,810	5,710	5,780
21	4,830	4,560	4,740	---	---	---	6,700	6,240	6,510	5,710	5,590	5,660
22	4,710	4,240	4,560	---	---	---	6,810	6,700	6,770	5,620	5,490	5,570
23	4,240	3,190	3,900	---	---	---	6,840	6,770	6,790	5,490	5,250	5,390
24	3,630	3,180	3,460	---	---	---	6,990	6,840	6,920	5,320	5,220	5,270
25	3,910	3,630	3,840	---	---	---	6,980	6,920	6,960	5,250	5,220	5,240
26	4,140	3,890	4,060	---	---	---	6,940	6,850	6,890	5,270	5,170	5,220
27	4,700	4,140	4,360	---	---	---	6,860	6,780	6,820	5,470	5,270	5,400
28	5,300	4,700	5,070	---	---	---	6,780	6,740	6,770	5,470	5,310	5,390
29	---	---	---	---	---	---	6,740	6,660	6,710	5,310	5,030	5,200
30	---	---	---	---	---	---	6,660	6,590	6,630	5,030	4,840	4,930
31	---	---	---	---	---	---	---	---	---	5,090	4,780	4,950
MONTH	5,300	3,180	4,610	6,020	4,120	4,930	7,650	4,680	6,750	6,620	4,780	5,920

08407000 PECOS RIVER AT PIERCE CANYON CROSSING, NEAR MALAGA, NM

LOCATION.--Lat 32°11'19", long 103°58'43", in SW ¼ SW ¼ NW ¼ sec.27, T.24 S., R.29 E., Eddy County, Hydrologic Unit 13060011, on right bank 550 ft upstream from Pierce Canyon Crossing, 6.0 mi southeast of Malaga, and at mile 425.7.

DRAINAGE AREA.--19,260 mi², approximately (contributing area).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1938 to September 1941, August 1951 to current year.

REVISED RECORDS.--WSP 898: 1938(M). WSP 1712: 1959.

GAGE.--Water-stage recorder. Elevation of gage is 2,889.18 ft above NGVD of 1929 (levels by Bureau of Reclamation). July 1938 to Sept. 1941, at datum 1.19 ft higher.

REMARKS.--Water-discharge records fair. Flow regulated by many reservoirs and diversion dams. Diversions and ground-water withdrawals upstream from station for irrigation of about 202,000 acres, 1959 determination.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	760	72	113	79	76	148	65	68	75	58	57	61
2	224	117	95	79	74	154	71	65	71	57	57	58
3	133	430	92	79	77	142	66	69	69	57	61	57
4	115	479	89	80	77	136	70	81	68	55	60	57
5	167	499	88	81	78	135	70	82	67	55	58	64
6	492	499	88	79	84	121	69	76	72	60	58	62
7	223	507	87	78	88	102	69	72	70	63	56	60
8	163	535	85	76	82	93	66	76	66	57	62	59
9	140	562	83	77	74	82	66	76	62	62	65	61
10	105	558	82	77	72	80	66	72	59	60	89	60
11	93	532	81	77	72	91	66	71	64	60	71	60
12	89	518	81	77	73	88	72	69	60	63	65	68
13	87	530	81	79	73	79	75	67	56	59	65	72
14	85	567	79	77	72	77	78	67	58	59	104	62
15	84	645	79	74	71	75	72	67	60	63	446	60
16	82	704	79	76	71	79	78	91	58	59	146	62
17	77	638	79	77	71	154	90	115	61	59	85	61
18	75	615	79	76	71	410	214	87	64	57	71	60
19	77	600	79	77	72	491	146	73	65	55	68	65
20	78	587	79	77	257	527	80	67	64	55	73	77
21	79	571	79	77	232	531	71	65	65	56	127	78
22	78	601	81	78	192	532	69	65	58	54	96	73
23	68	645	82	77	193	529	68	64	57	52	76	65
24	61	615	84	76	205	283	67	70	56	54	69	66
25	57	605	82	76	203	132	68	67	55	60	70	70
26	56	583	80	78	234	87	68	91	56	61	71	74
27	61	560	79	79	248	76	67	109	58	62	67	75
28	74	552	79	79	204	76	66	220	58	60	66	65
29	76	389	79	79	---	75	68	190	61	64	77	68
30	77	165	79	78	---	71	67	102	59	60	84	68
31	75	---	79	77	---	70	---	78	---	57	70	---
TOTAL	4,111	15,480	2,581	2,406	3,396	5,726	2,328	2,632	1,872	1,813	2,690	1,948
MEAN	133	516	83.3	77.6	121	185	77.6	84.9	62.4	58.5	86.8	64.9
MAX	760	704	113	81	257	532	214	220	75	64	446	78
MIN	56	72	79	74	71	70	65	64	55	52	56	57
AC-FT	8,150	30,700	5,120	4,770	6,740	11,360	4,620	5,220	3,710	3,600	5,340	3,860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	167	114	90.8	76.1	70.1	54.1	52.8	198	154	99.7	146	237
MAX	2,718	596	519	359	358	299	782	7,108	3,040	1,184	4,182	7,129
(WY)	(1955)	(1998)	(1992)	(1987)	(1987)	(1987)	(2004)	(1941)	(1941)	(1941)	(1966)	(1941)
MIN	8.70	6.77	9.39	10.6	12.6	10.1	7.46	6.35	7.78	4.43	6.18	5.73
(WY)	(1978)	(1978)	(1978)	(1965)	(1965)	(1978)	(1978)	(1978)	(1971)	(1966)	(1964)	(1977)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1938 - 2005

ANNUAL TOTAL	56,148	46,983		
ANNUAL MEAN	153	129		
HIGHEST ANNUAL MEAN			122	
LOWEST ANNUAL MEAN			1,694	1941
HIGHEST DAILY MEAN	16,800	Apr 4	18.7	1977
LOWEST DAILY MEAN	17	Jun 16	65,000	Aug 23, 1966
ANNUAL SEVEN-DAY MINIMUM	21	Jun 11	2.1	Jun 22, 1978
MAXIMUM PEAK FLOW			55	Jul 21, 1966
MAXIMUM PEAK STAGE			1,190	Aug 23, 1966
INSTANTANEOUS LOW FLOW			6.85	Aug 23, 1966
ANNUAL RUNOFF (AC-FT)	111,400	93,190	51	May 30, 1965
10 PERCENT EXCEEDS	229	325	0.54	
50 PERCENT EXCEEDS	37	76		
90 PERCENT EXCEEDS	25	59		

a From floodmarks.

08407000 PECOS RIVER AT PIERCE CANYON CROSSING, NEAR MALAGA, NM—Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 0.2 mi downstream from streamflow-gaging station.

PERIOD OF RECORD.--Water years 1938-41, 1952 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1938 to September 1941, October 1951 to June 1986, March 2003 to current year.

WATER TEMPERATURE: October 1952 to June 1986, March 2003 to September 2003.

INSTRUMENTATION.--Specific conductance and thermistor since March 2003. Hourly data logged.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 66,000 microsiemens, Aug. 1, 2, 1966; minimum, 402 microsiemens, June 25, 1986.

WATER TEMPERATURE: Maximum, 35.0 °C, July 6, 1968; minimum, 1.0 °C, Dec. 25, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 12,100 microsiemens, Apr. 10; minimum, 835 microsiemens, Oct. 1.

WATER TEMPERATURE: Maximum, 31.7 °C, July 14; minimum, 3.2 °C, Dec. 25.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Residue on evap. at 180degC wat flt mg/L (70300)
OCT 13...	1238	88	6,720	19.0	20.6	--	--	--	4,320
NOV 01...	0940	71	8,050	11.0	15.9	--	--	--	5,280
DEC 08...	1040	84	7,840	11.2	10.5	--	--	--	4,940
JAN 14...	1435	77	8,500	8.5	9.8	80	88	4	5,740
FEB 17...	0855	71	8,350	6.0	11.8	--	--	--	5,800
MAR 31...	0945	72	11,600	16.5	14.1	--	--	--	7,870
MAY 17...	0900	124	9,870	23.0	22.3	--	--	--	6,740
JUN 17...	0825	60	10,400	25.4	26.8	--	--	--	7,070
JUL 11...	1005	60	10,200	29.0	27.2	--	--	--	7,170

08407000 PECOS RIVER AT PIERCE CANYON CROSSING, NEAR MALAGA, NM—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.2	17.9	18.5	17.4	14.7	16.1	9.8	8.4	9.1	11.2	9.5	10.4
2	19.2	18.4	18.6	14.5	10.3	12.0	9.1	7.8	8.4	11.4	10.4	10.9
3	20.0	18.7	19.3	12.9	10.5	11.6	9.1	7.5	8.3	11.2	10.5	10.9
4	21.3	19.7	20.4	13.3	11.8	12.4	9.3	7.9	8.7	12.7	10.7	11.6
5	22.3	20.8	21.4	13.4	11.8	12.5	10.0	8.8	9.4	12.6	11.6	12.1
6	21.6	18.9	20.3	13.8	12.4	13.0	10.5	9.4	9.9	11.6	10.0	10.7
7	19.5	17.2	18.1	13.6	12.7	13.0	10.5	8.9	9.6	10.9	9.0	9.9
8	21.3	19.3	20.1	14.4	12.7	13.4	10.9	9.0	10.0	10.8	8.9	10
9	22.2	19.8	20.7	15.0	13.3	14.0	11.4	9.4	10.4	11.1	9.2	10.2
10	22.4	19.9	20.8	15.4	14.0	14.6	11.4	9.6	10.6	11.6	10.0	10.6
11	21.6	20.3	20.8	14.9	13.8	14.2	11.3	9.5	10.5	11.3	10.2	10.8
12	22.2	19.4	20.2	14.0	13.1	13.4	11.6	9.6	10.7	11.1	10.0	10.6
13	21.3	19.3	20.2	13.1	12.2	12.6	11.3	9.9	10.6	10.3	9.0	9.6
14	20.6	18.2	19.2	12.2	11.2	11.7	10.3	8.9	9.5	9.4	8.0	8.7
15	22.0	17.7	19.3	11.2	10.7	10.9	9.2	7.6	8.5	9.2	7.6	8.5
16	20.4	18.0	18.9	11.0	10.4	10.7	8.8	7.4	8.3	8.5	7.1	8.0
17	19.1	18.0	18.6	12.0	10.3	11.0	9.1	7.4	8.2	8.3	6.7	7.7
18	18.7	17.4	18.1	12.6	11.0	11.7	8.9	7.1	8.0	8.9	7.0	8.0
19	18.7	17.5	18.1	13.1	11.6	12.2	8.7	6.8	7.8	9.9	7.8	8.8
20	20.3	17.3	18.6	13.5	12.0	12.6	9.1	7.0	8.0	10.3	8.3	9.3
21	21.0	17.7	19.1	13.1	12.4	12.6	9.0	7.2	8.1	10.2	8.8	9.5
22	19.4	18.4	18.9	12.9	12.4	12.6	8.5	7.1	7.7	11.1	9.4	10.2
23	19.3	17.9	18.6	12.8	12.1	12.5	7.1	4.4	5.7	10.2	9.1	9.6
24	19.6	17.7	18.5	12.5	11.4	11.9	4.7	3.8	4.2	10.3	8.0	9.3
25	19.1	18.3	18.6	12.5	11.0	11.7	5.0	3.2	4.1	11.8	9.4	10.6
26	19.9	18.4	19.0	12.2	10.9	11.5	5.6	3.5	4.7	11.4	10.4	11.0
27	21.6	19.2	20.5	12.0	10.8	11.4	6.7	4.7	5.8	11.0	10.6	10.8
28	22.7	20.7	21.6	12.0	11.0	11.5	7.5	5.5	6.6	12.1	10.5	11.2
29	21.7	19.9	20.6	11.8	10.3	11.0	8.5	6.8	7.7	12.2	10.3	11.4
30	19.9	18.2	18.7	10.3	9.1	9.6	10.0	7.9	8.9	12.9	10.7	11.7
31	18.4	17.3	17.7	---	---	---	10.6	8.6	9.7	11.7	10.5	11.0
MONTH	22.7	17.2	19.4	17.4	9.1	12.3	11.6	3.2	8.3	12.9	6.7	10.1
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.5	9.4	9.8	14.3	12.8	13.2	16.7	12.8	14.4	21.7	17.8	19.4
2	10.1	8.9	9.4	14.6	13.1	13.9	16.4	12.9	14.6	20.5	16.5	18.1
3	10.0	8.1	9.1	15.2	13.7	14.3	16.6	14.7	15.6	16.5	14.6	15.6
4	10.1	8.0	9.2	15.4	13.9	14.5	18.5	15.9	17.0	16.5	14.2	15.0
5	10.0	9.1	9.5	15.1	14.3	14.8	17.9	16.5	17.3	18.9	16.0	17.2
6	10.4	9.0	9.8	15.3	14.2	14.7	18.2	15.7	16.9	21.0	17.6	19.0
7	11.5	9.3	10.5	16.3	14.3	15.1	20.9	15.7	17.6	21.5	19.6	20.5
8	13.0	10.2	11.5	17.0	14.4	15.5	19.6	16.5	17.9	22.3	19.7	20.9
9	13.0	11.1	11.9	17.7	14.5	15.9	20.1	17.5	18.9	24.8	19.9	21.9
10	11.9	10.9	11.3	19.2	14.7	16.4	19.2	17.5	18.3	23.4	20.0	21.5
11	11.2	10.4	10.8	17.2	15.3	16.4	19.7	16.4	17.7	25.0	21.8	23.4
12	12.2	10.4	11.2	17.7	15.1	16.5	20.0	16.3	18.1	26.5	23.0	24.6
13	13.5	11.1	12.3	18.5	15.5	16.8	19.7	17.1	18.4	26.8	23.0	24.7
14	15.1	11.7	13.2	16.3	14.4	15.4	20.3	17.7	18.9	25.0	22.9	23.4
15	14.3	12.6	13.5	15.2	13.3	14.1	20.6	17.6	18.9	23.0	20.6	21.4
16	13.8	12.8	13.4	13.9	11.6	12.7	19.5	18.1	18.6	22.6	20.2	21.3
17	13.4	12.3	12.7	14.8	11.7	13.4	20.5	17.5	18.9	23.2	21.8	22.4
18	12.3	10.9	11.4	15.0	12.8	13.8	21.4	19.1	20.3	26.4	21.7	23.5
19	12.9	10.5	11.6	15.3	13.8	14.3	21.8	20.8	21.4	27.1	22.2	24.4
20	14.6	12.2	13.3	15.8	13.8	14.7	23.8	20.2	21.8	26.7	24.1	25.3
21	14.8	13.0	13.9	15.5	14.0	14.8	24.2	20.2	21.7	27.7	25.0	26.3
22	15.1	13.7	14.4	15.7	13.4	14.4	21.7	20.1	20.9	27.8	25.6	26.8
23	15.6	14.6	15.1	16.4	13.8	14.9	21.2	19.7	20.3	28.0	25.4	26.6
24	15.8	12.6	14.1	16.1	15.0	15.6	20.3	18.4	19.1	27.9	25.2	26.8
25	12.6	11.6	11.9	16.8	15.3	15.8	20.2	18.0	19.2	28.1	25.6	26.8
26	12.0	11.2	11.6	15.9	14.1	15.4	21.7	18.1	19.6	27.1	23.9	25.4
27	12.4	10.8	11.6	15.4	12.6	14.1	22.3	18.5	20.4	23.9	23.1	23.5
28	12.9	10.8	12.0	17.6	13.4	15.4	22.7	19.1	20.6	23.3	22.2	22.6
29	---	---	---	17.3	15.3	16.2	20.7	18.9	19.8	24.5	22.3	23.3
30	---	---	---	16.8	14.6	15.6	19.9	17.9	18.8	26.2	24.2	25.1
31	---	---	---	16.1	14.0	14.9	---	---	---	27.5	24.3	26.0
MONTH	15.8	8.0	11.8	19.2	11.6	15.0	24.2	12.8	18.7	28.1	14.2	22.7

08407000 PECOS RIVER AT PIERCE CANYON CROSSING, NEAR MALAGA, NM—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,880	835	1,090	8,040	7,850	7,890	6,100	5,130	5,640	8,300	8,260	8,280
2	2,790	1,030	1,870	8,060	7,840	7,880	6,780	6,100	6,500	8,290	8,240	8,260
3	4,140	2,790	3,520	8,060	5,280	5,910	7,080	6,780	6,930	8,330	8,280	8,310
4	4,870	3,120	4,460	5,400	4,940	5,300	7,310	7,080	7,190	8,300	8,260	8,280
5	5,570	4,730	5,200	4,940	4,170	4,500	7,560	7,310	7,430	8,370	8,300	8,350
6	5,830	838	3,920	4,270	4,030	4,110	7,640	7,530	7,590	8,370	8,310	8,340
7	1,780	844	1,100	4,500	4,270	4,430	7,880	7,640	7,760	8,310	8,240	8,280
8	3,340	1,780	2,560	4,490	4,050	4,370	7,780	7,650	7,680	8,360	8,280	8,320
9	4,530	3,340	4,050	4,050	3,750	3,860	7,920	7,670	7,790	8,440	8,360	8,410
10	5,660	4,530	5,230	3,770	3,700	3,720	7,930	7,850	7,880	8,430	8,400	8,410
11	6,120	5,660	5,920	4,010	3,770	3,870	7,950	7,850	7,870	8,530	8,430	8,490
12	6,390	6,120	6,260	4,210	4,010	4,120	8,090	7,950	8,020	8,620	8,500	8,570
13	---	---	---	4,230	4,150	4,200	8,110	8,070	8,090	8,920	8,610	8,760
14	6,840	6,640	6,760	4,150	4,110	4,120	8,120	8,040	8,060	8,820	8,280	8,470
15	7,060	6,840	6,960	4,120	3,960	4,050	8,280	8,120	8,190	8,460	8,270	8,340
16	7,220	7,060	7,140	3,960	3,750	3,870	8,390	8,280	8,350	8,560	8,460	8,520
17	7,280	7,180	7,220	3,760	3,650	3,690	8,370	8,330	8,350	8,500	8,470	8,490
18	7,660	7,280	7,430	3,800	3,760	3,790	8,410	8,350	8,380	8,490	8,430	8,450
19	7,720	7,610	7,680	3,790	3,630	3,710	8,430	8,370	8,400	8,490	8,440	8,470
20	7,610	7,490	7,540	3,630	3,540	3,570	8,540	8,430	8,500	8,470	8,420	8,440
21	7,490	7,440	7,460	3,840	3,590	3,700	8,590	8,540	8,560	8,450	8,430	8,440
22	7,470	7,440	7,450	4,030	3,840	3,940	8,550	8,500	8,520	8,450	8,410	8,430
23	7,590	7,400	7,460	4,070	4,000	4,050	8,510	8,350	8,450	8,440	8,290	8,350
24	7,980	7,590	7,740	4,110	4,040	4,060	8,410	8,230	8,340	8,360	8,300	8,340
25	8,550	7,980	8,280	4,210	4,110	4,170	8,310	8,220	8,270	8,420	8,360	8,390
26	9,170	8,530	8,890	4,160	3,980	4,040	8,310	8,230	8,270	8,610	8,420	8,520
27	9,410	9,170	9,280	4,130	4,040	4,080	8,380	8,230	8,300	8,500	8,310	8,370
28	9,550	8,650	9,290	4,320	4,130	4,230	8,400	8,310	8,350	8,340	8,300	8,330
29	8,650	8,200	8,380	4,340	4,280	4,310	8,320	8,300	8,310	8,360	8,270	8,320
30	8,200	7,970	8,040	5,130	4,340	4,440	8,330	8,300	8,320	8,270	8,190	8,220
31	7,980	7,810	7,870	---	---	---	8,340	8,290	8,320	8,360	8,200	8,270
MONTH	9,550	835	6,200	8,060	3,540	4,400	8,590	5,130	7,960	8,920	8,190	8,390
	FEBRUARY			MARCH			APRIL			MAY		
1	8,320	8,220	8,290	6,530	5,410	6,000	11,400	11,300	11,400	11,200	10,900	11,000
2	8,400	8,210	8,320	6,740	6,530	6,650	11,800	11,400	11,700	11,000	10,900	10,900
3	8,440	8,360	8,410	7,100	6,740	6,930	11,700	11,400	11,500	11,200	11,000	11,100
4	8,500	8,360	8,410	7,330	7,100	7,250	11,800	11,400	11,600	11,100	10,500	10,900
5	8,540	8,330	8,480	7,400	7,330	7,380	11,800	11,500	11,600	10,500	10,000	10,200
6	8,500	8,350	8,410	7,480	7,370	7,410	11,500	11,300	11,400	10,000	9,860	9,910
7	8,460	8,000	8,290	7,790	7,480	7,660	11,400	11,200	11,300	10,200	9,890	10,100
8	8,000	7,790	7,860	7,800	7,750	7,780	11,400	11,200	11,200	10,600	10,200	10,500
9	8,060	7,800	7,930	8,260	7,780	8,040	11,800	11,400	11,600	10,600	10,200	10,400
10	8,200	8,060	8,150	8,650	8,260	8,490	12,100	11,800	11,900	10,200	10,200	10,200
11	8,210	8,160	8,190	8,670	8,120	8,480	12,000	11,800	11,900	10,500	10,200	10,300
12	8,340	8,190	8,260	8,120	7,990	8,040	11,800	11,500	11,700	10,800	10,500	10,700
13	8,510	8,340	8,420	8,700	8,070	8,380	11,500	11,000	11,300	10,700	10,500	10,600
14	8,540	8,300	8,430	8,830	8,700	8,780	11,000	10,600	10,800	10,700	10,500	10,600
15	8,380	8,260	8,310	9,410	8,820	9,060	10,600	10,200	10,300	10,700	10,500	10,600
16	8,400	8,340	8,380	9,530	9,410	9,480	10,400	10,200	10,300	10,700	10,400	10,600
17	8,440	8,370	8,410	9,470	7,950	9,260	10,400	9,770	10,100	10,400	8,660	9,410
18	8,410	8,330	8,360	7,950	6,830	7,140	9,790	8,040	9,400	8,690	8,510	8,600
19	8,460	8,380	8,430	6,830	5,980	6,510	8,040	6,010	6,650	9,000	8,510	8,750
20	9,140	6,260	7,960	5,980	5,650	5,790	7,420	6,170	6,840	9,370	8,950	9,180
21	6,260	5,900	5,980	7,160	5,900	6,720	8,650	7,420	8,090	9,820	9,370	9,580
22	5,960	5,900	5,930	7,380	7,160	7,300	9,640	8,640	9,180	10,100	9,820	10,000
23	5,910	5,800	5,880	7,320	7,240	7,270	10,100	9,640	9,920	10,200	10,000	10,100
24	5,800	5,340	5,570	7,580	7,270	7,340	10,500	10,100	10,400	10,300	9,950	10,200
25	5,340	5,110	5,180	8,390	7,570	8,010	10,800	10,500	10,700	9,950	9,540	9,680
26	5,140	4,800	5,020	9,170	8,390	8,790	11,000	10,800	10,900	9,760	9,520	9,590
27	4,840	4,790	4,810	9,600	9,170	9,410	11,000	10,900	10,900	9,590	7,530	8,090
28	5,410	4,840	5,060	10,300	9,600	9,930	11,100	10,900	11,000	7,540	6,430	7,270
29	---	---	---	10,500	10,300	10,400	11,200	11,100	11,100	6,480	6,040	6,220
30	---	---	---	11,200	10,500	10,900	11,200	11,000	11,100	6,960	6,480	6,720
31	---	---	---	11,500	11,200	11,400	---	---	---	7,730	6,960	7,300
MONTH	9,140	4,790	7,470	11,500	5,410	8,130	12,100	6,010	10,600	11,200	6,040	9,650

RIO GRANDE BASIN

08407500 PECOS RIVER AT RED BLUFF, NM

LOCATION.--Lat 32°04'30", long 104°02'21", in SW ¼ NW ¼ NE ¼ sec.1, T.26 S., R.28 E., Eddy County, Hydrologic Unit 13060011, on right bank at Red Bluff, 0.2 mi downstream from Red Bluff Draw, 1.6 mi northwest of the El Paso Natural Gas (Pecos River) compressor station, 5.2 mi north of the New Mexico-Texas State line, 5.5 mi upstream from Delaware River, and at mile 411.2.

DRAINAGE AREA.--19,540 mi², approximately (contributing area).

PERIOD OF RECORD.--October 1937 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 2,850.05 ft above NGVD of 1929.

REMARKS.--Records good, except for those estimated, which are poor. Flow regulated by many reservoirs and diversion dams. Diversions and ground-water withdrawals upstream from station for irrigation of about 202,000 acres, 1959 determination. Several from station for irrigation of about 202,000 acres, 1959 determination. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in Oct. 1904 reached a stage of 28.0 ft, from information by Panhandle and Santa Fe Railway Co. (For dates of other historical floods see stations 08404000, 08406500.)

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	899	63	146	76	71	170	68	72	81	60	60	79
2	634	64	113	75	68	159	71	70	77	60	59	67
3	190	281	103	75	68	158	74	69	78	57	62	61
4	184	465	98	77	69	148	69	76	73	56	71	59
5	242	482	95	78	71	149	76	85	72	51	71	66
6	299	508	94	78	77	146	74	81	73	52	64	74
7	439	501	92	75	82	128	74	75	77	69	62	68
8	265	525	91	73	89	119	72	73	74	65	54	62
9	158	543	85	73	76	102	69	77	69	61	e64	66
10	106	554	84	73	72	91	69	76	63	81	e70	62
11	91	548	82	73	71	101	70	71	61	71	e98	63
12	82	536	81	73	71	109	73	71	68	67	73	65
13	78	534	80	72	72	96	84	69	59	69	74	80
14	75	564	79	73	71	90	86	68	52	61	327	73
15	74	649	78	69	70	86	84	69	61	64	417	61
16	72	747	77	69	68	89	78	72	62	69	301	59
17	70	684	77	71	69	102	96	112	59	64	104	61
18	64	624	78	70	69	393	137	100	65	63	88	58
19	65	606	76	70	70	515	212	81	71	56	81	59
20	66	594	77	70	133	581	106	73	70	52	81	73
21	67	587	77	71	276	587	82	69	71	53	102	79
22	67	607	78	71	197	584	78	68	67	56	119	79
23	63	700	81	70	192	585	77	66	59	49	90	66
24	53	658	84	70	200	521	75	68	56	46	87	63
25	47	614	82	69	210	216	74	72	52	59	82	62
26	45	603	80	69	209	124	74	71	51	67	88	69
27	43	589	78	71	241	94	73	111	53	71	83	74
28	56	581	77	72	226	83	72	148	58	69	78	65
29	63	553	76	73	---	85	71	254	60	72	79	59
30	64	298	77	73	---	76	71	143	62	74	91	66
31	67	---	76	70	---	75	---	90	---	64	90	---
TOTAL	4,788	15,862	2,652	2,242	3,258	6,562	2,489	2,700	1,954	1,928	3,270	1,998
MEAN	154	529	85.5	72.3	116	212	83.0	87.1	65.1	62.2	105	66.6
MAX	899	747	146	78	276	587	212	254	81	81	417	80
MIN	43	63	76	69	68	75	68	66	51	46	54	58
AC-FT	9,500	31,460	5,260	4,450	6,460	13,020	4,940	5,360	3,880	3,820	6,490	3,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

	256	160	122	107	93.8	70.6	69.0	199	169	112	145	259
MEAN	256	160	122	107	93.8	70.6	69.0	199	169	112	145	259
MAX	5,255	1,382	813	703	534	295	823	6,954	3,181	1,273	4,210	6,521
(WY)	(1942)	(1942)	(1942)	(1942)	(1942)	(1942)	(2004)	(1941)	(1941)	(1941)	(1966)	(1941)
MIN	10.0	6.71	8.57	10.7	13.7	7.76	6.38	7.90	4.30	2.55	5.08	5.77
(WY)	(1965)	(1978)	(1978)	(1965)	(1965)	(1978)	(1978)	(1971)	(1990)	(1966)	(1964)	(1977)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	63,140		49,703			
ANNUAL MEAN	173		136		147	
HIGHEST ANNUAL MEAN					1,655	
LOWEST ANNUAL MEAN					19.2	
HIGHEST DAILY MEAN	15,900	Apr 5	899	Oct 1	50,700	Aug 24, 1966
LOWEST DAILY MEAN	20	Jan 31	43	Oct 27	0.22	Aug 1, 1966
ANNUAL SEVEN-DAY MINIMUM	21	Jan 27	53	Oct 23	0.33	Jul 26, 1966
MAXIMUM PEAK FLOW			1,370	Aug 14	a111,000	Aug 23, 1966
MAXIMUM PEAK STAGE			8.08	Aug 14	33.32	Aug 23, 1966
INSTANTANEOUS LOW FLOW			41	Oct 27	0.19	Aug 1, 1966
ANNUAL RUNOFF (AC-FT)	125,200		98,590		106,600	
10 PERCENT EXCEEDS	470		403		202	
50 PERCENT EXCEEDS	46		74		56	
90 PERCENT EXCEEDS	24		61		14	

a From rating curve extended above 32,000 ft³/s, on basis of slope-area measurement of peak flow.

e Estimated

08408500 DELAWARE RIVER NEAR RED BLUFF, NM

LOCATION.--Lat 32°01'23", long 104°03'15", in NE 1/4 SW 1/4 SE 1/4 sec.23, T.26 S., R.28 E., Eddy County, Hydrologic Unit 13070002, near center of channel on downstream side of pier of bridge on U.S. Highway 285, 2.1 mi north of the New Mexico-Texas State line, 3.6 mi southwest of Red Bluff, 3.7 mi upstream from mouth, and 14 mi south of Malaga. Mouth at Pecos River mile 405.6.

DRAINAGE AREA.--689 mi².

PERIOD OF RECORD.--April 1912 to September 1913, May 1914 to June 1915, October 1937 to current year. Published as "near Malaga" 1912-13, and as "near Angeles, Tex." 1914-15.

GAGE.--Water-stage recorder with satellite telemetry and rain gage. Elevation of gage is 2,900.66 ft above NGVD of 1929 (U.S. Boundary Commission post). Prior to May 1914, at site 3.0 mi upstream at different datum. May 1914 to June 1915, at site 2.5 mi downstream at different datum.

REMARKS.--Records good, except for those estimated, which are poor. One small upstream diversion. Several observations of water temperature were made during the year. No flow for many days most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	330	3.4	4.2	3.5	3.2	3.5	3.1	2.5	3.5	1.8	0.99	4.6
2	26	3.3	4.1	3.5	3.3	3.3	3.1	2.5	3.3	6.9	0.93	4.1
3	10	3.3	4.1	3.4	3.3	3.3	3.1	2.5	8.2	5.0	0.91	4.0
4	6.8	3.3	4.1	3.3	3.3	3.4	3.1	2.5	3.8	1.4	0.91	3.8
5	370	3.3	4.1	3.3	3.3	3.4	3.1	2.5	3.1	1.2	1.1	60
6	1,620	3.3	4.0	3.3	3.3	3.4	3.1	2.5	5.4	0.99	1.2	10
7	43	3.3	4.0	3.3	3.3	3.6	3.0	2.5	2.9	0.93	1.3	6.4
8	119	3.3	4.0	3.3	3.3	3.4	3.0	2.5	2.5	0.91	1.3	5.7
9	15	3.3	4.0	3.3	3.3	3.1	3.0	2.5	2.6	0.91	1.3	4.9
10	15	3.3	4.0	3.2	3.3	3.1	2.9	2.5	2.6	0.95	1.2	4.5
11	11	3.3	4.0	3.1	3.3	3.0	2.9	2.5	2.5	0.99	1.3	8.8
12	7.6	3.1	4.0	3.1	3.3	3.0	2.9	2.5	2.5	4.9	1.3	4.1
13	7.2	3.0	3.8	3.1	3.4	3.1	2.9	2.5	2.5	1.4	1.3	3.6
14	6.6	3.7	3.8	3.1	3.5	3.1	2.9	2.5	2.4	1.0	3.1	3.5
15	6.0	21	3.8	3.0	3.5	3.1	2.9	137	2.5	1.0	23	3.2
16	5.6	40	3.8	3.1	3.5	3.1	2.9	15	2.5	1.0	5.8	3.1
17	5.3	11	3.8	3.1	3.5	3.1	3.0	7.1	2.4	1.1	3.1	3.1
18	5.1	5.9	3.8	3.1	3.5	3.2	4.8	5.2	2.5	0.99	2.4	3.2
19	4.7	4.5	3.8	3.1	3.5	3.3	2.6	4.2	2.5	1.0	2.1	3.4
20	4.4	3.9	3.7	3.1	3.5	3.3	2.6	3.9	2.4	1.0	2.1	3.2
21	4.1	3.6	3.7	3.1	3.5	3.3	2.6	3.7	2.3	1.1	36	2.9
22	4.1	6.7	3.6	3.1	3.4	3.3	2.5	3.6	2.3	1.0	4.8	2.6
23	3.9	38	3.6	3.1	3.3	3.3	2.5	3.2	2.2	1.1	3.5	2.4
24	3.7	20	3.6	3.2	3.3	3.4	2.5	3.2	2.2	1.1	3.3	2.4
25	3.7	6.8	3.6	3.2	3.7	3.4	2.5	3.2	2.1	1.1	3.4	2.2
26	e3.7	4.5	3.6	3.1	3.7	3.4	2.5	36	2.1	1.1	4.6	2.0
27	e3.6	3.9	3.5	3.1	3.6	3.4	2.5	11	2.0	1.0	8.0	1.9
28	e3.5	3.9	3.5	3.2	3.6	3.3	2.5	34	1.9	1.1	4.6	1.7
29	3.4	4.1	3.5	3.3	---	3.3	2.5	9.6	1.9	e1.1	76	1.6
30	3.4	4.2	3.5	3.2	---	3.2	2.5	8.9	1.8	1.1	18	1.5
31	3.4	---	3.5	3.1	---	3.2	---	4.9	---	1.0	6.2	---
TOTAL	2,658.8	228.2	118.1	99.0	95.5	101.3	86.0	328.7	83.4	47.17	225.04	168.4
MEAN	85.8	7.61	3.81	3.19	3.41	3.27	2.87	10.6	2.78	1.52	7.26	5.61
MAX	1,620	40	4.2	3.5	3.7	3.6	4.8	137	8.2	6.9	76	60
MIN	3.4	3.0	3.5	3.0	3.2	3.0	2.5	2.5	1.8	0.91	0.91	1.5
AC-FT	5,270	453	234	196	189	201	171	652	165	94	446	334

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.1	3.27	3.03	3.09	2.91	2.61	5.82	8.66	17.9	12.8	20.6	21.4
MAX	748	18.9	7.99	8.57	8.77	9.44	135	233	281	166	326	303
(WY)	(1956)	(1979)	(1987)	(1987)	(1987)	(1987)	(1954)	(1941)	(1938)	(1952)	(1966)	(1978)
MIN	0.00	0.00	0.00	0.00	0.13	0.42	0.23	0.00	0.00	0.00	0.00	0.00
(WY)	(1952)	(2002)	(2002)	(2002)	(1966)	(1993)	(1968)	(2001)	(1950)	(1947)	(1983)	(1953)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	9,853.02		4,239.61			
ANNUAL MEAN	26.9		11.6		10.8	
HIGHEST ANNUAL MEAN					66.1 1956	
LOWEST ANNUAL MEAN					0.71 2001	
HIGHEST DAILY MEAN	1,620	Oct 6	1,620	Oct 6	22,000	Oct 2, 1955
LOWEST DAILY MEAN	0.10	Jun 6	0.91	Jul 8	c0.00	Jun 12, 1938
ANNUAL SEVEN-DAY MINIMUM	0.10	Jun 6	0.98	Jul 5	0.00	Jul 29, 1946
MAXIMUM PEAK FLOW			3,990	Oct 6	a81,400	Oct 2, 1955
MAXIMUM PEAK STAGE			9.03	Oct 6	b27.00	Oct 2, 1955
INSTANTANEOUS LOW FLOW			0.82	Aug 2	0.00	Jun 11, 1938
ANNUAL RUNOFF (AC-FT)	19,540		8,410		7,840	
10 PERCENT EXCEEDS	21		6.8		6.9	
50 PERCENT EXCEEDS	2.3		3.3		2.0	
90 PERCENT EXCEEDS	0.32		1.3		0.00	

a From rating curve extended above 6,500 ft³/s, on basis of slope-area measurement at gage heights 12.84 ft, 17.55 ft, and 27.0 ft.
 b From floodmarks.
 c No flow most days.
 e Estimated

MIMBRES RIVER BASIN

08477110 MIMBRES RIVER AT MIMBRES, NM

LOCATION.--Lat 32°51'17", long 107°58'23", in NW 1/4 SW 1/4 sec.3, T.17 S., R.11 W., Grant County, Hydrologic Unit 13030202, on left bank 100 ft downstream from Willow Springs Canyon, 0.3 mi east of Mimbres, 1.1 mi downstream from Shepard Canyon, 2.5 mi downstream from Bear Canyon, and at mile 73.1.

DRAINAGE AREA.--216 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1978 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,920 ft above NGVD of 1929, from topographic map. Prior to Jan. 17, 1979, at datum 2.29 ft higher.

REMARKS.--Records fair, except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	5.4	5.1	6.4	34	77	19	16	12	3.9	3.5	12
2	5.4	5.4	5.5	6.1	33	67	19	15	11	3.9	3.4	12
3	5.7	5.5	5.5	29	33	59	21	15	11	3.8	3.5	13
4	5.6	5.4	5.5	745	32	54	21	15	9.3	4.1	3.5	12
5	5.5	5.3	5.5	412	32	49	21	14	8.1	4.2	3.4	16
6	5.1	5.2	5.8	173	31	61	20	18	7.4	4.3	3.5	17
7	4.6	4.9	5.5	96	32	66	17	19	8.0	4.4	3.8	19
8	4.7	4.6	5.5	72	30	68	14	18	8.4	3.8	5.3	15
9	4.2	4.6	5.6	68	29	67	15	18	8.2	3.6	23	13
10	4.3	5.0	5.6	66	30	67	20	18	7.6	3.4	16	13
11	4.5	4.8	5.5	64	438	66	21	18	6.6	3.5	10	12
12	5.0	5.4	5.6	62	1,790	69	21	17	6.6	3.5	9.0	11
13	5.0	5.7	5.0	60	1,250	73	21	17	6.6	3.7	9.0	11
14	5.0	5.8	4.7	58	733	76	20	15	6.5	3.9	9.6	10
15	4.9	6.1	5.1	57	315	74	21	15	6.4	3.7	9.2	10
16	4.9	6.0	5.2	55	181	64	26	15	6.1	3.8	7.3	9.8
17	5.0	5.9	5.3	54	143	58	33	15	6.0	3.7	7.1	9.4
18	5.0	5.7	5.4	54	164	51	36	14	6.0	3.7	7.4	9.2
19	4.9	5.7	5.2	52	191	44	36	13	6.0	3.7	7.7	9.1
20	4.9	5.7	5.3	50	193	41	33	12	5.7	3.9	11	8.5
21	4.8	5.7	5.3	50	171	38	27	11	4.3	4.0	42	7.9
22	5.2	5.9	5.2	48	150	34	26	10	4.1	4.0	55	7.3
23	5.2	6.0	5.2	47	126	33	24	11	4.1	4.1	42	7.0
24	4.8	5.8	5.3	46	117	30	25	e10	4.2	3.8	31	6.5
25	4.8	5.7	5.3	37	114	30	24	11	4.4	3.8	27	5.8
26	5.2	5.5	5.3	36	111	29	23	12	4.2	4.1	22	5.5
27	5.9	5.3	5.3	44	100	27	19	12	3.8	4.0	19	5.4
28	5.3	4.7	5.4	55	87	26	17	12	4.1	3.7	17	5.1
29	5.4	5.0	5.6	42	---	26	17	13	4.1	3.5	15	4.7
30	5.1	5.0	12	36	---	24	16	13	4.1	3.6	13	4.3
31	5.0	---	8.0	36	---	21	---	13	---	3.6	13	---
TOTAL	156.1	162.7	175.3	2,716.5	6,690	1,569	673	445	194.9	118.7	452.2	301.5
MEAN	5.04	5.42	5.65	87.6	239	50.6	22.4	14.4	6.50	3.83	14.6	10.1
MAX	5.9	6.1	12	745	1,790	77	36	19	12	4.4	55	19
MIN	4.2	4.6	4.7	6.1	29	21	14	10	3.8	3.4	3.4	4.3
AC-FT	310	323	348	5,390	13,270	3,110	1,330	883	387	235	897	598

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2005, BY WATER YEAR (WY)

	1978	1979	1985	1988	1992	1995	1999	2002	2003	2004	2005	
MEAN	11.8	12.0	27.1	26.4	31.2	28.4	21.2	13.9	7.29	10.4	29.1	12.2
MAX	67.9	43.9	186	163	239	93.2	89.5	64.9	23.0	52.1	234	48.6
(WY)	(1986)	(1979)	(1985)	(1993)	(2005)	(1992)	(1992)	(1992)	(1992)	(1986)	(1988)	(1988)
MIN	2.56	2.47	3.65	4.24	2.98	2.16	1.95	1.09	0.28	1.64	0.94	0.87
(WY)	(1995)	(1981)	(1981)	(1981)	(2003)	(1990)	(2003)	(2003)	(2002)	(1994)	(2000)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1978 - 2005	
ANNUAL TOTAL	2,272.09		13,654.9			
ANNUAL MEAN	6.21		37.4			
HIGHEST ANNUAL MEAN					19.2	
LOWEST ANNUAL MEAN					45.1	
HIGHEST DAILY MEAN	41		1,790		3.13	
LOWEST DAILY MEAN	0.07		3.4		2,500	
ANNUAL SEVEN-DAY MINIMUM	0.23		3.5		0.00	
MAXIMUM PEAK FLOW			3,090		0.00	
MAXIMUM PEAK STAGE			5.83		a6,360	
INSTANTANEOUS LOW FLOW			3.0		b8.05	
ANNUAL RUNOFF (AC-FT)	4,510		27,080		0.00	
10 PERCENT EXCEEDS	12		65		13,940	
50 PERCENT EXCEEDS	4.9		10		43	
90 PERCENT EXCEEDS	1.7		4.1		7.6	
					2.5	

a From rating curve extended above 450 ft³/s, on basis of slope-area measurement at gage heights 6.70 ft and 8.05 ft.
b From floodmarks.
c Estimated

08477110 MIMBRES RIVER AT MIMBRES, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978-86, 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
APR 12...	0900	25	1.2	615	9.0	96	8.2	182	12.5	8.5	83	24.2	5.49
MAY 17...	1330	16	.6	612	8.4	111	8.1	249	23.0	18.0	92	27.0	5.98

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
APR 12...	2.29	.4	8.27	83	100	3.38	.2	43.2	11.9	150	.12	.22	<.04
MAY 17...	2.40	.4	9.38	108	130	3.42	.2	60.4	12.1	186	.18	.14	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
APR 12...	E.020	.36	<.008	.09	.096	.117	2	<.20	E1	29	<.06	9.3	<.04
MAY 17...	E.047	.24	<.008	.08	.090	.100	2	<.20	M	31	<.06	19	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
APR 12...	<.8	.125	.8	<6	<.08	6.5	<.01	E.4	1.26	<3	<3	<.2	E.3
MAY 17...	<.8	.116	1.1	<6	<.08	3.4	<.01	E.3	.25	<3	<3	<.2	.6

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
APR 12...	.26	77	7
MAY 17...	.30	59	4

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.
 M-- Presence verified but not quantified.

TULAROSA VALLEY BASIN

08480594 MALPAIS SPRING NEAR OSCURA, NM

LOCATION.--Lat 33°17'15", long 106°18'33", in SE ¼ NE ¼ NE ¼ sec.8, T.11 S., R.6 E., Otero County, Hydrologic Unit 13050003, on right bank 50 ft downstream from Range Road 9 and 70 mi north of White Sands Missile Range Headquarters.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,150 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for those estimated, which are poor. Station located above all known diversions. Several observations of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3.5 ft³/s, May 28; minimum daily discharge, 1.1 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.3	1.6	1.8	2.3	e2.0	1.6	1.9	2.4	1.3	1.3	1.4
2	1.1	1.2	1.7	1.9	2.1	e2.0	1.6	1.8	2.3	1.4	1.3	1.9
3	1.1	1.3	1.7	2.4	2.1	e2.0	1.6	1.9	2.2	1.4	1.2	1.6
4	1.1	1.2	1.7	3.1	e2.1	e2.0	1.7	2.1	2.1	1.3	1.2	1.5
5	1.1	1.3	2.0	2.8	e2.1	e2.0	1.5	2.0	2.0	1.3	1.2	1.5
6	1.1	1.3	2.1	2.6	e2.0	e2.1	1.5	2.1	2.0	1.3	1.2	1.4
7	1.3	1.3	2.0	2.4	e2.1	e2.1	1.5	2.1	1.9	1.3	1.3	1.4
8	1.7	1.3	2.0	2.4	e2.2	e2.1	1.7	2.0	1.9	1.3	1.3	1.5
9	1.5	1.3	1.8	2.2	e2.2	e2.0	1.6	1.8	2.0	1.3	1.3	1.5
10	1.4	1.2	1.7	2.2	e2.1	e2.0	1.6	1.5	2.0	1.3	1.3	1.4
11	1.6	1.2	1.8	2.3	e2.1	e2.0	1.5	1.4	1.9	1.2	1.2	1.4
12	1.6	1.2	1.9	2.1	e2.1	e2.1	1.6	1.4	1.9	1.2	1.2	1.4
13	1.5	1.4	1.8	2.0	e2.0	e2.1	1.6	1.4	1.8	1.3	1.2	1.3
14	1.4	1.6	1.8	2.0	e2.0	e2.1	1.6	1.5	1.7	1.3	1.5	1.3
15	1.4	1.6	1.9	1.8	e2.1	e2.0	1.6	1.6	1.7	1.3	1.4	1.3
16	1.3	1.6	1.8	1.8	e2.2	e2.0	1.6	1.7	1.7	1.3	1.3	1.3
17	1.3	1.5	1.8	1.8	e2.2	e2.0	1.7	1.6	1.7	1.2	1.3	1.4
18	1.3	1.5	1.8	1.8	e2.3	e2.0	1.7	1.5	1.6	1.3	1.4	1.4
19	1.3	1.5	1.8	1.9	e2.2	e2.0	1.8	1.5	1.5	1.3	1.5	1.4
20	1.3	1.4	1.8	1.8	e2.1	e2.1	1.7	1.4	1.4	1.3	1.8	1.4
21	1.3	1.5	1.9	1.9	e2.1	e2.1	1.6	1.4	1.4	1.2	1.7	1.4
22	1.3	1.7	1.8	1.9	e2.0	e2.1	1.6	1.4	1.5	1.3	1.7	1.4
23	1.3	2.0	1.8	1.9	e2.0	e2.1	1.6	1.4	1.5	1.3	1.7	1.4
24	1.3	1.8	1.7	1.9	e2.0	e2.2	1.8	1.3	1.4	1.3	1.6	1.4
25	1.4	1.7	1.7	1.9	e2.0	e2.1	1.8	1.2	1.4	1.3	1.5	1.3
26	1.5	1.7	1.7	1.9	e2.1	e2.1	1.7	1.3	1.4	1.3	1.5	1.3
27	1.4	1.6	1.8	2.1	e2.1	e2.0	1.7	2.1	1.5	1.3	1.5	1.3
28	1.4	1.6	1.8	2.0	e2.0	e2.0	1.7	3.5	1.5	1.3	1.5	1.2
29	1.3	1.6	1.8	2.0	---	1.7	1.8	3.0	1.4	1.3	1.4	1.2
30	1.3	1.5	1.8	2.1	---	1.6	1.8	2.7	1.4	1.3	1.4	1.2
31	1.3	---	1.8	2.3	---	1.5	---	2.5	---	1.4	1.4	---
TOTAL	41.3	43.9	56.1	65.0	58.9	62.2	49.4	56.0	52.1	40.2	43.3	41.8
MEAN	1.33	1.46	1.81	2.10	2.10	2.01	1.65	1.81	1.74	1.30	1.40	1.39
MAX	1.7	2.0	2.1	3.1	2.3	2.2	1.8	3.5	2.4	1.4	1.8	1.9
MIN	1.1	1.2	1.6	1.8	2.0	1.5	1.5	1.2	1.4	1.2	1.2	1.2
AC-FT	82	87	111	129	117	123	98	111	103	80	86	83
CAL YR	2004	TOTAL 565.35	MEAN 1.54	MAX 2.8	MIN 0.88	AC-FT 1,120						
WTR YR	2005	TOTAL 610.2	MEAN 1.67	MAX 3.5	MIN 1.1	AC-FT 1,210						

e Estimated

08480595 SALT CREEK NEAR TULAROSA, NM

LOCATION.--Lat 33°16'32", long 106°23'50", in SE 1/4 NE 1/4 sec.16, T.12 S., R.6 E., Sierra County, Hydrologic Unit 13050003, on right bank, 360 ft upstream from Range Road 316, 0.5 mi east of Range Road 7, and about 65 mi north of small missile range on U.S. Highway 70.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1995 to current year. Published as "at Range Road 316 on White Sands Missile Range," August 1995 to September 1996.

GAGE.--Water-stage recorder. Elevation of gage is 4,020 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.60	0.38	0.46	0.86	0.53	1.1	0.33	0.28	0.44	0.00	0.00	0.09
2	0.43	0.39	0.46	1.5	0.65	0.91	0.42	0.29	0.28	0.00	0.00	5.8
3	0.37	0.41	0.47	2.5	0.53	0.85	0.46	0.51	0.23	0.00	0.00	0.77
4	0.35	0.48	0.52	21	0.56	0.81	0.44	1.8	0.19	0.00	0.00	0.15
5	154	0.48	1.6	4.7	1.6	0.85	0.38	1.5	0.17	0.00	0.00	0.09
6	29	0.49	1.8	1.2	4.0	13	0.33	0.61	0.16	0.00	0.00	0.07
7	5.3	0.52	1.4	0.86	3.9	5.9	0.38	0.44	0.15	0.00	0.00	0.08
8	3.8	0.51	0.90	0.72	1.5	1.6	0.38	0.51	0.14	0.00	0.00	0.07
9	1.0	0.46	0.73	0.69	0.88	0.81	0.33	0.38	0.14	0.00	0.00	0.03
10	0.46	0.46	0.67	0.67	0.84	0.73	0.37	0.28	0.13	0.00	0.00	0.00
11	3.1	0.47	0.64	0.63	3.3	0.64	0.41	0.20	0.13	0.00	0.00	0.00
12	3.5	0.52	0.65	0.52	8.1	0.61	0.41	0.24	0.13	0.00	0.00	0.00
13	1.2	2.7	0.60	0.48	4.4	0.53	0.37	0.25	0.13	0.00	28	0.00
14	1.5	7.4	0.59	0.49	1.7	0.48	0.37	0.25	0.13	0.00	30	0.00
15	0.46	4.5	0.63	0.51	1.3	0.53	0.35	1.9	0.12	0.00	1.7	0.00
16	0.41	1.3	0.65	0.53	1.2	0.46	0.37	2.3	0.12	0.00	0.48	0.00
17	0.38	0.76	0.54	0.53	1.1	0.49	0.65	0.63	0.10	0.00	0.29	0.00
18	0.36	0.65	0.62	0.54	1.2	0.49	0.50	0.38	0.08	0.00	0.30	0.00
19	0.32	0.59	0.64	0.55	1.2	0.50	0.34	0.30	0.09	0.00	0.46	0.00
20	0.31	0.54	0.67	0.55	1.4	0.50	0.28	0.25	0.11	0.00	0.50	0.00
21	0.30	0.54	0.72	0.59	0.96	0.49	0.28	0.21	0.10	0.00	0.46	0.00
22	0.31	1.1	1.1	0.60	0.86	0.46	0.28	0.21	0.10	0.00	0.26	0.00
23	0.32	26	0.79	0.53	0.87	0.42	0.27	0.20	0.10	0.00	0.27	0.00
24	0.30	3.6	0.57	0.55	4.2	0.45	0.32	0.20	0.11	0.00	2.8	0.00
25	0.53	1.1	0.72	0.57	7.2	0.44	0.36	0.24	0.11	0.00	0.89	0.00
26	0.63	0.70	0.73	0.70	2.9	0.53	0.33	0.30	0.10	0.00	0.35	0.00
27	0.58	0.55	0.84	1.2	2.1	0.42	0.29	2.2	0.11	0.00	0.27	0.00
28	0.42	0.50	0.82	1.0	1.1	0.50	0.25	97	0.12	0.00	4.5	0.00
29	0.39	0.50	0.82	0.81	---	0.43	0.27	16	0.11	0.00	0.27	0.00
30	0.33	0.44	1.2	0.69	---	0.40	0.28	2.3	0.05	0.00	0.24	0.00
31	0.34	---	0.88	0.63	---	0.40	---	0.82	---	0.00	0.20	---
TOTAL	211.30	59.04	24.43	47.90	60.08	36.73	10.80	132.98	4.18	0.00	72.24	7.15
MEAN	6.82	1.97	0.79	1.55	2.15	1.18	0.36	4.29	0.14	0.00	2.33	0.24
MAX	154	26	1.8	21	8.1	13	0.65	97	0.44	0.00	30	5.8
MIN	0.30	0.38	0.46	0.48	0.53	0.40	0.25	0.20	0.05	0.00	0.00	0.00
AC-FT	419	117	48	95	119	73	21	264	8.3	0.00	143	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	1.45	0.80	0.79	0.84	0.85	0.71	0.74	0.92	0.80	1.84	2.18	1.62
MAX	6.82	1.97	1.39	1.55	2.15	1.18	2.55	4.29	2.46	6.80	6.98	7.74
(WY)	(2005)	(2005)	(2003)	(2005)	(2005)	(2005)	(2004)	(2005)	(1996)	(1999)	(2004)	(2001)
MIN	0.02	0.13	0.19	0.27	0.34	0.29	0.36	0.23	0.14	0.00	0.29	0.06
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2003)	(2005)	(2005)	(2002)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1995 - 2005

ANNUAL TOTAL	798.87	666.83		
ANNUAL MEAN	2.18	1.83	1.13	
HIGHEST ANNUAL MEAN			1.83	2005
LOWEST ANNUAL MEAN			0.52	2002
HIGHEST DAILY MEAN	154	Oct 5	154	Oct 5, 2004
LOWEST DAILY MEAN	0.00	Jun 2	0.00	Jul 1, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 9	0.00	Jul 5, 2003
MAXIMUM PEAK FLOW			343	Oct 5, 2004
MAXIMUM PEAK STAGE			6.65	Oct 5, 2001
INSTANTANEOUS LOW FLOW			0.00	Jun 30, 2002
ANNUAL RUNOFF (AC-FT)	1,580	1,320	817	
10 PERCENT EXCEEDS	1.1	1.8	1.0	
50 PERCENT EXCEEDS	0.32	0.46	0.48	
90 PERCENT EXCEEDS	0.00	0.00	0.15	

TULAROSA VALLEY BASIN

08480595 SALT CREEK NEAR TULAROSA, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
OCT 06...	1310	13	23.0	99	179

08481500 TULAROSA CREEK NEAR BENT, NM

LOCATION.--Lat 33°08'41", long 105°53'52", in SE ¼ NW ¼ sec.32, T.13 S., R.11 E., Otero County, Hydrologic Unit 13044503, on right bank, 45 ft downstream from bridge on old U.S. Highway 70, 2.6 mi west of Bent, 8.5 mi northeast of Tularosa, and at mile 19.4.

DRAINAGE AREA.--120 mi², approximately.

PERIOD OF RECORD.--December 1947 to November 1996, April 2002 to current year. Prior to October 1982 published as "Rio Tularosa near Bent."

REVISED RECORDS.--WSP 1312: 1949 (M).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,450 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Diversions for irrigation of about 1,000 acres, 1959 determination, upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood probably occurred Sept. 3, 1938, when a peak of 9,640 ft³/s was computed for station approximately 6 mi downstream near Tularosa. Another flood may have occurred July 2, 1914.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	16	15	16	16	18	18	15	15	10	9.1	13
2	26	14	14	16	17	19	18	15	15	11	10	13
3	19	14	14	16	17	19	17	15	14	11	11	13
4	18	14	14	19	17	19	17	15	14	11	12	16
5	29	14	15	16	17	18	17	15	14	10	12	12
6	15	14	14	16	17	21	17	15	14	11	12	13
7	15	15	13	16	17	19	17	15	14	11	11	13
8	23	15	15	16	17	19	17	15	14	12	12	13
9	22	15	14	16	17	18	17	15	13	11	24	12
10	22	16	14	16	17	18	17	15	13	9.3	11	12
11	22	16	14	17	17	18	17	14	13	11	11	12
12	20	16	14	17	25	18	17	14	12	11	11	12
13	22	15	14	17	22	18	17	14	12	12	11	12
14	21	15	14	17	19	18	17	14	12	12	12	12
15	19	14	15	16	19	18	17	14	13	12	12	12
16	18	15	15	17	19	18	16	14	13	12	12	11
17	17	19	14	17	19	18	16	14	13	12	12	11
18	18	18	15	16	19	18	16	15	13	12	12	11
19	19	21	15	16	18	18	16	14	13	12	12	11
20	21	20	15	16	18	18	16	14	13	12	13	11
21	21	21	15	16	18	18	16	14	13	12	12	11
22	20	22	15	16	18	18	16	14	12	12	11	11
23	18	20	15	16	18	18	16	14	12	13	12	11
24	18	13	15	16	18	18	18	14	12	7.7	13	11
25	20	13	15	16	18	18	16	14	12	8.8	13	11
26	20	13	15	16	18	18	16	14	9.3	8.0	12	11
27	18	13	16	17	18	18	16	14	9.2	9.3	13	11
28	17	14	16	16	18	18	16	14	9.9	9.1	13	12
29	17	14	16	17	---	18	16	14	10	9.2	13	12
30	17	14	16	16	---	18	16	14	9.8	9.4	13	12
31	15	---	16	16	---	18	---	14	---	9.3	13	---
TOTAL	608	473	457	507	508	566	499	445	376.2	333.1	380.1	358
MEAN	19.6	15.8	14.7	16.4	18.1	18.3	16.6	14.4	12.5	10.7	12.3	11.9
MAX	29	22	16	19	25	21	18	15	15	13	24	16
MIN	15	13	13	16	16	18	16	14	9.2	7.7	9.1	11
AC-FT	1,210	938	906	1,010	1,010	1,120	990	883	746	661	754	710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

MEAN	12.9	13.7	14.2	14.5	14.5	14.0	13.4	12.2	10.9	12.5	14.6	13.4
MAX	26.0	26.9	26.5	27.3	26.1	24.5	24.7	24.3	21.1	29.5	40.9	36.0
(WY)	(1991)	(1992)	(1992)	(1995)	(1992)	(1992)	(1992)	(1992)	(1988)	(1995)	(1996)	(1990)
MIN	6.88	7.68	6.91	7.36	8.05	7.66	7.66	5.82	5.09	4.18	4.94	5.68
(WY)	(1962)	(1971)	(1971)	(1967)	(1967)	(1958)	(1960)	(1958)	(1963)	(1963)	(1970)	(1954)

TULAROSA VALLEY BASIN

08481500 TULAROSA CREEK NEAR BENT, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948 - 2005	
ANNUAL TOTAL	5,478.5		5,510.4			
ANNUAL MEAN	15.0		15.1		13.4	
HIGHEST ANNUAL MEAN					23.6	1991
LOWEST ANNUAL MEAN					8.19	1958
HIGHEST DAILY MEAN	44	Sep 30	29	Oct 5	631	Aug 14, 1980
LOWEST DAILY MEAN	9.5	May 17	7.7	Jul 24	1.4	Aug 3, 1959
ANNUAL SEVEN-DAY MINIMUM	11	May 12	8.8	Jul 24	2.1	Aug 3, 1959
MAXIMUM PEAK FLOW			621	Aug 9	4,640	Jul 22, 2002
MAXIMUM PEAK STAGE			3.05	Aug 9	5.60	Aug 8, 1988
INSTANTANEOUS LOW FLOW			6.0	Jul 24	0.00	May 14, 1955
ANNUAL RUNOFF (AC-FT)	10,870		10,930		9,690	
10 PERCENT EXCEEDS	19		19		22	
50 PERCENT EXCEEDS	15		15		12	
90 PERCENT EXCEEDS	12		11		6.6	

SAN JUAN RIVER BASIN

09346400 SAN JUAN RIVER NEAR CARRACAS, CO

LOCATION.--Lat 37°00'49", long 107°18'42", referenced to North American Datum of 1927, in SE 1/4 SW 1/4 sec.17, T.32 N., R.4 W., Archuleta County, Hydrologic Unit 14080101, on right bank five feet above the maximum water surface of Navajo Reservoir, 3 mi northwest of Carracas, 7.2 mi upstream from Piedra River.

DRAINAGE AREA.--1,230 mi , approximately

PERIOD OF RECORD.--October 1961 to current year. Statistical summary computed for 1971 to current year.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,090 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records good except for Feb. 12, 14, 17-21, 26-28, Mar. 1, 3-8, 26-31, Apr. 1-7, May 30-31, June 1, 3-4, 7-8, 10-11, 16-29, July 1, 4-6, 8-9, 11-12, 14-15, Sep. 9-10, 25, and estimated daily discharges, which are poor. Diversions for irrigation of about 11,000 acres upstream from station. Highwater diversions upstream from station into Rio Grande Basin through Azotea tunnel (station 08284160) began in March 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909; Oct. 5, 1911; June 29, 1927.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Table with 13 columns (Day, Oct, Nov, Dec, Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep) and 32 rows of data including daily discharge values and summary statistics (Total, Mean, Max, Min, Ac-ft).

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

Table with 12 columns (Oct, Nov, Dec, Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep) and 5 rows of monthly mean data (Mean, Max, WY, Min, WY).

SUMMARY STATISTICS

Table comparing statistics for Calendar Year 2004, Water Year 2005, and Water Years 1971-2005. Rows include Annual total, Annual mean, Highest annual mean, Lowest annual mean, Highest daily mean, Lowest daily mean, Annual seven-day minimum, Maximum peak flow, Maximum peak stage, Annual runoff (ac-ft), 10 percent exceeds, 50 percent exceeds, 90 percent exceeds.

a Average discharge for 9 years (water years 1962-70), 632 ft /s; 457,900 acre-ft/yr prior to completion of Azotea tunnel.

b Also the highest (or lowest, as is appropriate) for the period of record.

c Also minimum daily discharge for period of record.

d Maximum discharge for period of record, 9,730 ft /s, Sep 6, 1970, gage height, 8.34 ft, from rating curve extended above 6,000 ft /s, on basis of slope-area measurement of peak flow.

f Maximum gage height for statistical period, and period of record, 9.63 ft, Jan 4, 1994, backwater from ice.

e Estimated

SAN JUAN RIVER BASIN

09349800 PIEDRA RIVER NEAR ARBOLES, CO

LOCATION.--Lat 37°05'18", long 107°23'50", referenced to North American Datum of 1927, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.33 N., R.5 W., Archuleta County, Hydrologic Unit 14080102, on left bank 2.5 mi upstream from Navajo Reservoir, 3.0 mi downstream from Ignacio Creek, and 4.6 mi northeast of Arboles Post Office.

DRAINAGE AREA.--629 mi.

PERIOD OF RECORD.--August 1962 to current year. Gage 09350000 (Piedra River At Arboles) operated 1895-99 and 1910-27 at site 7.5 mi downstream at elevation 6,000 ft, published in WSP 1313. Low-flow records probably not equivalent.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 6,147.52 ft above NGVD of 1929, Colorado State Highway Department benchmark.

REMARKS.--Records good except for Apr. 15 to July 15 which are fair, Mar. 13-16 and estimated daily discharges, which are poor. Diversions for irrigation of about 2,800 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909, and Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	302	274	e84	119	159	225	440	1,430	1,880	1,470	132	82
2	269	220	e84	103	139	212	479	1,440	1,980	1,340	125	82
3	254	216	e85	100	124	216	625	1,510	2,030	1,240	119	80
4	238	206	99	e122	e122	204	842	1,540	1,700	1,080	118	82
5	231	196	116	e116	e134	221	970	1,590	1,460	981	139	110
6	252	187	e116	107	e144	229	1,200	1,720	1,410	901	151	97
7	245	178	e113	97	148	271	1,510	1,860	1,490	762	144	94
8	228	181	e111	101	145	321	1,870	1,690	1,540	617	135	129
9	211	209	e112	106	129	362	1,680	1,700	1,580	529	123	197
10	201	210	e109	140	124	434	1,340	2,010	1,430	448	128	217
11	191	205	112	310	154	507	1,060	2,130	1,290	388	130	186
12	185	202	111	234	566	606	1,130	1,830	1,300	344	246	152
13	180	194	116	140	369	762	1,460	1,720	1,180	321	240	132
14	177	190	122	104	294	750	1,990	1,770	1,230	321	205	120
15	168	180	e115	105	264	612	2,530	1,820	1,400	300	180	113
16	159	179	e109	111	328	514	2,490	2,090	1,570	281	192	106
17	151	185	e105	e112	310	468	2,580	2,450	1,660	268	278	98
18	153	185	109	e114	287	432	2,880	2,480	1,640	255	210	92
19	154	183	e104	e115	481	413	2,880	2,510	1,670	225	174	87
20	150	191	e102	122	393	419	2,580	2,980	1,630	205	155	80
21	147	197	e104	132	303	406	2,210	3,180	1,620	186	144	71
22	157	181	e98	144	281	383	2,040	3,510	1,770	183	134	75
23	155	e169	e84	149	324	425	1,990	3,550	1,990	169	124	81
24	153	e153	63	153	318	440	2,870	3,480	2,040	175	122	85
25	149	e152	74	155	279	445	3,130	3,260	2,020	167	122	78
26	151	e152	91	167	255	424	2,280	3,040	1,850	228	111	71
27	173	e133	e94	287	229	414	2,030	2,830	1,780	195	117	67
28	507	e140	e100	266	221	502	1,850	2,540	1,690	177	125	158
29	512	e137	e118	202	---	552	1,740	2,410	1,620	164	111	233
30	385	e108	194	180	---	557	1,580	2,260	1,580	144	99	378
31	319	---	142	162	---	471	---	1,990	---	131	87	---
Total	6,907	5,493	3,296	4,575	7,024	13,197	54,256	70,320	49,030	14,195	4,620	3,633
Mean	223	183	106	148	251	426	1,809	2,268	1,634	458	149	121
Max	512	274	194	310	566	762	3,130	3,550	2,040	1,470	278	378
Min	147	108	63	97	122	204	440	1,430	1,180	131	87	67
Ac-ft	13,700	10,900	6,540	9,070	13,930	26,180	107,600	139,500	97,250	28,160	9,160	7,210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	171	126	88.8	75.0	93.8	324	873	1,285	1,010	328	216	209
Max	618	517	257	153	251	895	2,126	2,926	2,526	1,133	1,014	943
(WY)	(1973)	(1987)	(1987)	(1987)	(2005)	(1995)	(1979)	(1979)	(1979)	(1975)	(1999)	(1970)
Min	51.2	48.4	31.2	21.8	25.7	47.4	126	91.7	24.8	12.7	15.2	35.3
(WY)	(1979)	(1968)	(1990)	(2003)	(2003)	(1964)	(1977)	(2002)	(2002)	(2002)	(2002)	(1978)

SUMMARY STATISTICS

	Calendar Year 2004	Water Year 2005	Water Years 1963 - 2005
Annual total	129,215	236,546	
Annual mean	353	648	401
Highest annual mean			822
Lowest annual mean			53.5
Highest daily mean	1,660	Sep 20	3,550
Lowest daily mean	47	Sep 3	63
Annual seven-day minimum	55	Feb 6	75
Maximum peak flow		3,910	Apr 25
Maximum peak stage		4.98	Apr 25
Annual runoff (ac-ft)	256,300	469,200	290,200
10 percent exceeds	991	1,980	1,180
50 percent exceeds	156	212	145
90 percent exceeds	59	104	52

^a Also occurred Aug 28-29, 2002.

^b From rating curve extended above 4,400 ft/s, on basis of slope-area measurement of peak flow.

^c Gage height, 6.38 ft, recorded, 7.55 ft, from floodmarks.

^e Estimated

SAN JUAN RIVER BASIN

09354500 LOS PINOS RIVER AT LA BOCA, CO

LOCATION.--Lat 37°00'34", long 107°35'56", referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.22, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on downstream end of right abutment of private bridge, at southeast edge of La Boca, 0.5 mi upstream from Spring Creek, and 2 mi upstream from maximum elevation of Navajo Reservoir.

DRAINAGE AREA.--520 mi .

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,143.58 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Vallecito Reservoir (station 09353000, capacity 125,640 acre-ft) 24 mi upstream since April 1941. Diversions for irrigation of about 55,000 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Oct. 5, 1911 has not yet been exceeded.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	143	53	529	148	249	722	410	1,140	487	260	138	142
2	117	51	524	135	228	715	428	1,140	294	403	131	147
3	111	49	524	140	216	723	491	1,160	265	411	129	156
4	112	46	523	379	212	719	579	1,120	252	406	134	182
5	112	46	534	269	211	741	592	1,050	257	361	162	170
6	109	46	532	242	216	748	657	1,130	253	208	186	170
7	94	45	527	234	224	790	774	1,810	250	198	194	173
8	83	48	526	241	222	833	960	1,800	243	197	178	192
9	79	59	473	238	224	861	896	1,760	192	184	174	253
10	79	57	156	377	674	908	771	1,730	197	175	227	263
11	81	51	145	924	739	993	694	1,670	220	172	200	191
12	82	53	189	653	1,840	1,120	710	1,640	285	146	224	183
13	78	52	196	375	1,160	1,180	783	1,590	245	136	269	168
14	60	53	196	320	861	1,130	899	1,540	173	128	237	161
15	57	52	192	306	794	1,020	1,060	1,510	171	130	240	155
16	40	50	193	294	863	952	1,150	1,430	165	133	420	153
17	34	48	192	287	836	926	1,170	1,200	263	148	294	150
18	51	49	191	285	810	912	1,220	1,140	759	156	168	147
19	79	48	190	288	1,330	906	1,350	1,080	791	132	136	141
20	64	57	191	292	1,020	906	1,300	1,050	766	131	141	141
21	56	81	189	250	810	764	1,230	1,030	506	121	159	149
22	62	90	177	263	765	574	1,170	969	218	127	158	151
23	57	87	e166	258	786	451	1,150	892	294	138	164	165
24	55	112	e140	251	781	452	1,430	835	773	137	172	159
25	55	443	e120	242	751	444	1,530	812	811	169	158	149
26	54	461	e122	260	754	437	1,460	724	848	161	151	143
27	64	461	e125	636	735	427	2,200	774	753	154	144	155
28	83	451	e119	395	726	451	2,050	800	410	154	148	225
29	66	475	148	311	---	455	1,280	815	277	150	149	269
30	57	531	274	276	---	452	1,210	818	238	149	145	316
31	55	---	167	261	---	425	---	739	---	141	141	---
Total	2,329	4,205	8,470	9,830	19,037	23,137	31,604	36,898	11,656	5,816	5,671	5,319
Mean	75.1	140	273	317	680	746	1,053	1,190	389	188	183	177
Max	143	531	534	924	1,840	1,180	2,200	1,810	848	411	420	316
Min	34	45	119	135	211	425	410	724	165	121	129	141
Ac-ft	4,620	8,340	16,800	19,500	37,760	45,890	62,690	73,190	23,120	11,540	11,250	10,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	186	130	102	77.0	105	224	350	429	486	289	231	210
Max	672	709	396	317	680	972	1,339	1,719	1,555	1,381	1,349	725
(WY)	(1987)	(1987)	(1983)	(2005)	(2005)	(1993)	(1979)	(1958)	(1979)	(1957)	(1999)	(1997)
Min	24.5	26.8	18.1	16.1	22.9	31.7	22.6	40.6	60.8	23.8	13.0	33.4
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	Calendar Year 2004	Water Year 2005	Water Years 1951 - 2005
Annual total	62,818	163,972	
Annual mean	172	449	
Highest annual mean			582 1973
Lowest annual mean			44.6 2002
Highest daily mean	1,780	Apr 21	4,560 Jul 27, 1957
Lowest daily mean	18	Jan 1	6.1 May 1, 1977
Annual seven-day minimum	20	Jan 1	8.3 Apr 30, 1977
Maximum peak flow		2,270	^a 6,400 Jul 27, 1957
Maximum peak stage		6.76	^b 8.95 Jul 27, 1957
Annual runoff (ac-ft)	124,600	325,200	172,500
10 percent exceeds	363	1,120	552
50 percent exceeds	130	249	132
90 percent exceeds	24	73	47

^a From rating curve extended above 5,100 ft/s.

^b Maximum gage height, 9.00 ft, backwater from ice, sometime during period, Dec 23, 1990 to Jan 17, 1991.

^c Estimated

SAN JUAN RIVER BASIN

09355000 SPRING CREEK AT LA BOCA, CO

LOCATION.--Lat 37°00'40", long 107°35'47" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.15, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on right bank in an excavated channel, 0.2 mi upstream from mouth, and 0.2 mi east of La Boca.

DRAINAGE AREA.--58.2 mi .

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

REVISED RECORDS.--WDR CO-00-02: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,160 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Part of flow is return waste from irrigation. Nearly all irrigation in this basin is water diverted from Los Pinos River which causes a considerable change in the annual pattern and natural flow.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	39	6.8	e1.9	e12	e10	5.5	3.8	14	40	57	54	49
2	35	6.4	e4.0	e9.5	e11	5.3	3.5	3.7	39	58	56	49
3	34	6.2	e4.0	e8.8	11	5.4	3.6	3.4	43	60	58	49
4	34	5.9	e3.8	e16	10	5.5	4.9	3.7	51	62	72	60
5	38	5.7	e5.7	13	8.7	5.5	5.1	5.0	51	58	66	55
6	35	5.7	e5.7	8.9	8.4	5.6	5.3	4.1	54	55	79	55
7	33	5.7	e5.7	6.8	8.1	5.9	6.1	3.8	51	57	75	54
8	31	6.1	e5.5	13	10	6.6	7.5	3.1	51	57	72	66
9	30	8.4	e5.3	18	11	6.5	7.8	2.7	56	57	68	91
10	29	7.7	e5.3	17	9.2	6.6	6.2	2.8	64	61	81	115
11	28	6.3	e5.3	160	12	7.0	4.8	3.8	66	62	71	49
12	27	6.0	5.5	70	344	7.1	4.2	11	90	57	74	46
13	27	6.3	6.2	e15	46	7.6	4.5	3.7	54	58	103	46
14	25	6.1	5.8	e14	10	6.8	5.5	5.8	51	58	70	46
15	24	5.9	5.8	e8.8	6.7	6.5	7.0	7.5	54	55	65	46
16	22	5.8	5.7	e8.8	13	5.2	7.0	6.2	52	56	101	45
17	20	5.7	5.7	e9.3	12	4.8	6.9	7.1	51	58	68	46
18	23	5.6	5.8	e10	13	4.6	6.6	11	52	59	54	49
19	17	5.6	e5.5	e10	127	4.4	5.9	12	56	56	52	45
20	9.1	7.1	e5.9	e10	28	5.0	5.2	11	55	57	52	45
21	7.9	13	e5.9	e10	7.0	5.9	4.5	18	54	55	52	44
22	8.1	8.9	e5.2	10	4.9	4.8	3.9	23	57	59	50	51
23	7.7	6.7	e3.1	9.1	9.5	4.5	3.5	22	58	69	55	50
24	7.2	6.0	e2.1	e7.9	11	4.6	6.7	23	62	64	56	46
25	7.2	5.9	e3.5	e6.8	6.9	4.7	16	26	64	69	55	42
26	7.4	5.6	e6.1	7.0	6.2	5.9	9.6	27	66	66	51	40
27	7.4	e5.5	e8.6	73	5.8	5.5	5.6	28	60	56	52	38
28	8.7	e5.5	e9.9	40	5.5	5.1	4.7	31	53	55	51	51
29	7.9	e5.0	e12	12	---	5.2	4.5	38	57	53	53	50
30	7.0	e3.1	e16	e10	---	4.7	4.2	37	53	53	52	55
31	6.8	---	e14	e12	---	4.3	---	39	---	54	49	---
Total	643.4	190.2	190.5	636.7	765.9	172.6	174.6	437.4	1,665	1,811	1,967	1,573
Mean	20.8	6.34	6.15	20.5	27.4	5.57	5.82	14.1	55.5	58.4	63.5	52.4
Max	39	13	16	160	344	7.6	16	39	90	69	103	115
Min	6.8	3.1	1.9	6.8	4.9	4.3	3.5	2.7	39	53	49	38
Ac-ft	1,280	377	378	1,260	1,520	342	346	868	3,300	3,590	3,900	3,120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	33.3	10.1	5.32	4.94	10.2	17.6	12.8	37.6	56.8	65.6	64.8	56.9
Max	87.9	29.6	20.4	20.5	54.8	89.7	41.1	64.5	79.3	111	132	92.0
(WY)	(1973)	(1956)	(1985)	(2005)	(1980)	(1979)	(1979)	(1992)	(1986)	(1996)	(1996)	(1983)
Min	2.63	1.49	1.35	0.45	2.06	2.36	0.57	13.5	24.4	1.07	0.45	0.93
(WY)	(2003)	(2004)	(2004)	(2003)	(2000)	(1999)	(2003)	(2003)	(1977)	(2002)	(2002)	(2002)

SAN JUAN RIVER BASIN

09355000 SPRING CREEK AT LA BOCA, CO--Continued

SUMMARY STATISTICS	Calendar Year 2004		Water Year 2005		Water Years 1951 - 2005	
Annual total	10,328.14		10,227.3			
Annual mean	28.2		28.0		31.7	
Highest annual mean					47.7	1987
Lowest annual mean					9.78	2002
Highest daily mean	168	Sep 19	344	Feb 12	918	Mar 6, 1995
Lowest daily mean	0.34	Jan 2	1.9	Dec 1	0.00	Aug 1, 2002
Annual seven-day minimum	0.75	Jan 1	3.6	May 4	0.02	Sep 19, 2003
Maximum peak flow			500	Feb 12	^a 1,980	Sep 6, 1970
Maximum peak stage			4.91	Feb 12	^b 4.62	Sep 6, 1970
Annual runoff (ac-ft)	20,490		20,290		22,960	
10 percent exceeds	56		60		70	
50 percent exceeds	23		11		21	
90 percent exceeds	1.3		4.8		3.0	

^a From rating curve extended above 160 ft/s, on the basis of field estimate of peak flow.

^b Maximum gage height, 5.98 ft, Mar 9, 1960, backwater from ice.

^c Estimated

SAN JUAN RIVER BASIN

09355100 NAVAJO RESERVOIR NEAR ARCHULETA, NM

LOCATION.--Lat 36°48'28", long 107°36'31", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.30 N., R.7 W., San Juan County, Hydrologic Unit 14080101, in gate shaft of outlet works structure near right abutment of Navajo Dam on San Juan River, 5.5 mi east of Archuleta, 33.0 mi east of Farmington, and at mile 298.6.

DRAINAGE AREA.--3,230 mi², approximately.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

PERIOD OF RECORD.--June 1962 to current year. Prior to October 1968 dead storage included.

REMARKS.--Reservoir is formed by earth rock-fill dam, completed in June 1963; storage began June 27, 1962. Capacity, 1,708,600 acre-ft between elevation 5,720 ft, upstream toe of dam, and 6,085 ft, crest of spillway. Usable capacity 1,696,000 acre-ft above elevation 5,774.9-ft minimum operating level. Dead storage below elevation 5,774.9 ft is 12,600 acre-ft. Figures given herein are usable contents. Reservoir is used for irrigation storage, river regulation, desilting, flood control, and recreation.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,731,000 acre-ft, July 2-4, 1973, elevation, 6,087.25 ft; minimum contents after June 1964 (initial filling period), 234,300 acre-ft, Mar. 10 and 11, 1965, elevation, 5,906.36 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,576,700 acre-ft, July 8, elevation, 6,076.75 ft; minimum contents, 936,200 acre-ft, Oct. 1, elevation, 6,022.60 ft.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
6,015	864.5	6,035	1,056.7	6,055	1,281.3	6,075	1,546.2
6,020	910.1	6,040	1,109.4	6,060	1,343.5	6,080	1,619.5
6,025	957.2	6,045	1,164.3	6,065	1,408.3	6,085	1,696.0
6,030	1,006.0	6,050	1,221.6	6,070	1,475.8	6,090	1,775.7

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	936,200	950,800	972,170	992,000	1,029,700	1,105,700	1,183,800	1,406,400	1,551,500	1,567,300	1,556,300	1,534,200
2	937,000	951,600	973,050	992,600	1,030,300	1,107,400	1,185,500	1,411,900	1,552,000	1,569,500	1,554,600	1,532,700
3	937,800	952,300	973,930	993,200	1,030,900	1,109,200	1,188,000	1,418,300	1,552,500	1,571,700	1,553,300	1,531,400
4	937,800	952,900	975,110	994,700	1,031,600	1,110,900	1,191,100	1,423,100	1,551,100	1,573,600	1,551,500	1,530,600
5	938,100	953,500	976,190	995,600	1,032,200	1,112,600	1,192,100	1,425,100	1,548,200	1,575,100	1,550,900	1,529,400
6	938,400	954,100	977,460	996,200	1,033,100	1,115,200	1,200,700	1,427,500	1,545,200	1,576,100	1,550,700	1,527,700
7	939,000	954,900	978,440	997,300	1,034,100	1,117,500	1,207,300	1,432,000	1,542,200	1,576,500	1,550,200	1,526,500
8	939,700	955,500	979,520	997,900	1,035,000	1,120,300	1,214,200	1,435,200	1,539,600	1,576,700	1,549,800	1,526,000
9	940,100	956,100	980,710	998,600	1,035,800	1,123,200	1,221,100	1,437,800	1,537,000	1,576,500	1,548,800	1,527,000
10	940,300	957,000	981,000	1,000,600	1,037,200	1,126,800	1,226,000	1,441,800	1,534,000	1,576,500	1,548,100	1,527,400
11	940,700	957,800	981,390	1,005,700	1,040,200	1,130,300	1,230,300	1,446,000	1,530,400	1,576,400	1,547,500	1,527,400
12	940,900	958,400	981,880	1,008,600	1,049,600	1,133,100	1,234,200	1,448,200	1,526,600	1,576,100	1,547,900	1,526,200
13	941,500	958,900	982,480	1,009,800	1,054,400	1,139,000	1,239,500	1,449,500	1,522,500	1,575,500	1,548,400	1,525,700
14	941,800	959,500	983,070	1,010,500	1,057,700	1,144,000	1,247,300	1,450,800	1,518,200	1,574,800	1,548,900	1,524,500
15	942,000	960,100	983,660	1,011,200	1,060,400	1,148,500	1,257,000	1,452,700	1,514,800	1,574,000	1,549,200	1,523,600
16	942,000	960,400	983,950	1,012,000	1,064,200	1,152,200	1,266,400	1,455,500	1,514,000	1,573,400	1,550,100	1,523,200
17	942,300	961,000	984,650	1,012,600	1,067,400	1,154,700	1,277,300	1,459,600	1,514,100	1,572,700	1,550,700	1,522,800
18	942,300	961,600	985,240	1,013,100	1,071,400	1,156,900	1,287,700	1,461,700	1,515,300	1,571,800	1,550,500	1,522,300
19	942,600	962,200	985,730	1,013,100	1,078,700	1,158,900	1,298,300	1,465,000	1,518,800	1,570,700	1,549,700	1,521,800
20	942,600	963,100	986,030	1,014,800	1,082,700	1,161,400	1,308,300	1,471,400	1,523,200	1,569,400	1,548,800	1,520,600
21	942,800	963,700	986,320	1,015,400	1,085,500	1,163,400	1,317,200	1,480,100	1,525,700	1,568,100	1,548,400	1,519,600
22	943,100	964,300	986,620	1,016,300	1,088,500	1,165,200	1,326,200	1,491,000	1,529,200	1,566,700	1,547,500	1,518,500
23	943,400	964,700	986,820	1,017,200	1,092,500	1,166,900	1,347,700	1,501,300	1,534,300	1,565,400	1,546,200	1,517,700
24	943,700	965,200	986,820	1,018,100	1,095,400	1,168,700	1,350,000	1,512,300	1,540,600	1,564,100	1,545,300	1,516,800
25	944,000	966,300	986,920	1,019,000	1,098,000	1,170,700	1,363,000	1,522,300	1,546,300	1,562,800	1,544,000	1,515,800
26	944,500	967,300	986,920	1,020,500	1,100,500	1,172,600	1,370,700	1,530,000	1,551,200	1,562,400	1,542,300	1,514,700
27	945,100	968,200	987,210	1,023,400	1,101,900	1,174,500	1,382,000	1,536,400	1,555,900	1,561,100	1,541,000	1,514,300
28	946,500	969,200	987,510	1,025,200	1,103,800	1,176,200	1,389,400	1,541,600	1,559,000	1,560,200	1,540,200	1,514,400
29	948,300	970,200	988,500	1,026,700	---	1,178,300	1,395,700	1,546,200	1,562,100	1,559,300	1,538,900	1,515,800
30	949,400	971,400	990,480	1,027,900	---	1,180,300	1,401,400	1,549,800	1,564,700	1,558,300	1,537,200	1,516,400
31	950,000	---	991,370	1,028,800	---	1,182,000	---	1,551,100	---	1,557,200	1,535,400	---
MAX	950,000	971,400	991,370	1,028,800	1,103,800	1,182,000	1,401,400	1,551,100	1,564,700	1,576,700	1,556,300	1,534,200
MIN	936,200	950,800	972,170	992,000	1,029,700	1,105,700	1,183,800	1,406,400	1,514,000	1,557,200	1,535,400	1,514,300
(+)	6,024.04	6,026.25	6,028.28	6,032.00	6,039.16	6,046.24	6,064.14	6,074.99	6,075.93	6,075.41	6,073.90	6,072.56
(++)	+14,900	+21,400	+19,970	+37,430	+75,000	+78,200	+219,400	+149,700	+13,600	-7,500	-21,800	-19,000
CAL YR	2004	MAX 1,029,200	MIN 704,600	(++) +281,270								
WTR YR	2005	MAX 1,576,700	MIN 936,200	(++) +581,300								

(+)Elevation, in feet, at end of month.
(++)Change in contents, in acre-feet.

09355500 SAN JUAN RIVER NEAR ARCHULETA, NM

LOCATION.--Lat 36 48'05", long 107 41'51", in NW 1/4 NE 1/4 sec.20, T.30 N., R.8 W., San Juan County, Hydrologic Unit 14080101, on left bank 0.5 mi upstream from Gobernador Canyon, 0.8 mi northeast of Archuleta, 7.2 mi downstream from Navajo Dam, and at mile 291.4.

DRAINAGE AREA.--3,260 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1954 to current year.

REVISED RECORDS.--The annual runoff for water year 1958, as published in table 2, WSP 1733, was 455,000 acre-ft. The correct value is 1,455,000 acre-ft.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,653 ft above NGVD of 1929, from river-profile survey. Prior to Dec. 29, 1959, at site 5.0 mi upstream at elevation 55 ft higher. Dec. 29, 1959, to Nov. 15, 1964, at site 0.4 mi upstream at elevation 5 ft higher. Prior to Nov. 28, 1966, at elevation 2.0 ft higher.

REMARKS.--Water-discharge records good. Flow completely regulated by Navajo Reservoir (station 09355100) 7.0 mi upstream except for minor inflow from 30-mi² intervening drainage area. High-water diversions through Azotea tunnel (station 08284160) into Rio Grande Basin began in Mar. 1971. Diversions for irrigation of about 47,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	391	315	239	248	256	323	481	1,010	4,410	546	492	637
2	389	251	242	248	257	324	476	1,010	4,410	546	491	715
3	386	246	242	248	260	324	474	1,030	4,410	547	491	778
4	388	245	239	252	260	322	473	1,580	4,430	547	514	757
5	389	249	241	249	258	319	473	2,570	4,430	547	588	751
6	390	252	242	246	260	323	472	3,100	4,430	546	605	750
7	364	253	244	245	262	328	471	3,030	4,450	545	602	796
8	330	256	242	241	261	325	468	3,020	4,430	540	603	775
9	329	254	243	242	259	324	468	3,010	4,430	536	541	768
10	327	254	240	245	259	328	472	2,990	4,420	536	470	754
11	328	255	244	246	262	324	473	2,990	4,440	536	472	749
12	330	256	243	245	266	320	474	3,290	4,440	536	499	747
13	330	257	244	240	263	326	475	3,680	4,440	537	472	609
14	331	254	243	242	260	330	476	3,730	4,430	539	472	478
15	333	254	241	256	270	329	477	3,740	4,430	538	473	479
16	335	255	244	259	263	330	478	3,740	4,150	544	473	481
17	336	256	244	260	259	420	478	3,770	3,670	546	471	486
18	338	258	244	260	262	464	480	4,330	3,420	544	469	488
19	340	252	245	260	265	464	482	4,740	2,660	543	469	488
20	341	254	246	259	260	472	484	4,420	2,030	543	469	555
21	339	253	248	260	259	470	487	4,300	2,030	544	467	623
22	343	252	246	260	260	472	492	4,300	1,700	546	466	626
23	339	250	244	260	258	472	502	4,330	1,040	547	468	626
24	341	250	240	260	280	471	516	4,330	627	553	469	627
25	343	252	237	258	321	465	507	4,350	541	556	557	625
26	348	253	236	261	321	474	513	4,370	544	548	617	623
27	363	248	237	264	321	474	813	4,380	542	525	626	628
28	364	251	242	261	323	476	1,010	4,380	543	493	640	630
29	363	249	251	257	---	476	1,010	4,400	545	493	640	628
30	360	250	252	258	---	473	1,010	4,390	544	492	637	627
31	359	---	249	256	---	476	---	4,390	---	492	637	---
TOTAL	10,887	7,634	7,534	7,846	7,565	12,218	16,365	108,700	91,016	16,631	16,360	19,304
MEAN	351	254	243	253	270	394	546	3,506	3,034	536	528	643
MAX	391	315	252	264	323	476	1,010	4,740	4,450	556	640	796
MIN	327	245	236	240	256	319	468	1,010	541	492	466	478
AC-FT	21,590	15,140	14,940	15,560	15,010	24,230	32,460	215,600	180,500	32,990	32,450	38,290
(+)	3,700	0	0	0	0	2,900	14,100	19,200	36,300	40,900	27,800	17,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	823	822	920	964	968	1,044	1,275	1,743	1,845	1,163	968	921
MAX	2,131	3,018	2,886	2,768	2,382	4,216	4,768	4,962	5,169	5,126	3,508	3,241
(WY)	(1966)	(1966)	(1966)	(1986)	(1987)	(1993)	(1979)	(1985)	(1979)	(1979)	(1973)	(1999)
MIN	298	240	162	115	149	207	244	279	300	320	353	338
(WY)	(1963)	(1963)	(1963)	(1963)	(1963)	(1964)	(1964)	(1967)	(1967)	(1967)	(1963)	(1963)

SAN JUAN RIVER BASIN

09355500 SAN JUAN RIVER NEAR ARCHULETA, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	138,755		322,060			
ANNUAL MEAN	379		882		a1,121	
HIGHEST ANNUAL MEAN					2,686	1987
LOWEST ANNUAL MEAN					280	1963
HIGHEST DAILY MEAN	827	Sep 4	4,740	May 19	6,420	Jun 21, 1965
LOWEST DAILY MEAN	224	Mar 26	236	Dec 26	30	Mar 12, 1964
ANNUAL SEVEN-DAY MINIMUM	226	Mar 25	240	Dec 22	108	Jan 10, 1963
MAXIMUM PEAK FLOW			5,090	May 18	b18,900	Jul 27, 1957
MAXIMUM PEAK STAGE			6.77	May 18	c11.00	Jul 27, 1957
INSTANTANEOUS LOW FLOW			232	Dec 26	8.0	Feb 28, 1963
ANNUAL RUNOFF (AC-FT)	275,200		638,800		812,500	
10 PERCENT EXCEEDS	629		3,520		2,520	
50 PERCENT EXCEEDS	339		471		630	
90 PERCENT EXCEEDS	242		246		355	

a Average discharge for 7 years (water years 1956-62), 1,304 ft³/s, 944,700 acre-ft/yr, prior to closure of Navajo Dam.

b Site and datum then in use.

c Maximum discharge since construction of Navajo Dam in 1962, 6,500 ft³/s, June 20, 1965, gage height, 4.75 ft.

(+) Discharge, in acre-feet, through Navajo irrigation tunnel

09355500 SAN JUAN RIVER NEAR ARCHULETA, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JAN 18...	1355	260	2.8	627	12.2	119	8.6	283	10.0	6.0	86	26.5	4.71
MAR 22...	1500	472	20	618	12.0	127	8.6	285	13.0	8.5	110	33.9	6.42
JUL 05...	1600	545	2.4	621	8.8	106	8.9	270	36.0	14.5	110	32.5	6.11
AUG 29...	1540	640	4.0	624	11.2	129	8.6	268	28.0	12.5	87	26.7	4.84

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water fltrd, mg/L as CaCO3 (39086)	Bicarbonate, water fltrd, mg/L (00453)	Carbonate, water fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue, water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC, water fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
JAN 18...	1.59	.6	13.2	82	97	2	3.33	.2	9.4	53.3	162	185	.18
MAR 22...	2.06	.7	17.4	81	96	2	3.70	.2	10.0	53.6	176	185	.18
JUL 05...	1.83	.6	13.7	80	88	4	3.31	.2	9.0	47.3	162	154	--
AUG 29...	1.57	.5	10.9	82	96	2	3.08	.2	10.6	44.7	152	172	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Ammonia, water, unfltrd mg/L as N (00610)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic, water, fltrd, ug/L (01000)
JAN 18...	.37	<.04	E.065	.10	<.008	<.02	.007	.019	--	--	2	E.14	<2
MAR 22...	.24	<.04	E.023	.07	<.008	<.02	.008	.032	<3	<3	2	E.14	<2
JUL 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 29...	--	--	--	--	--	--	--	--	<12	<3	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury, water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
JAN 18...	74	<.06	17	<.04	<.8	.133	1.4	6	<.08	8.3	<.01	1.4	1.10
MAR 22...	73	<.06	22	<.04	<.8	.124	1.3	12	E.04	6.9	<.01	1.3	1.68
JUL 05...	--	--	21	--	--	--	--	13	--	--	<.01	--	--
AUG 29...	--	--	41	--	--	--	--	10	--	--	<.01	--	--

SAN JUAN RIVER BASIN

09355500 SAN JUAN RIVER NEAR ARCHULETA, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concentra- tion mg/L (80154)
JAN 18...	<3	<3	<.2	1.2	.59	62	15
MAR 22...	<3	E1	<.2	1.6	.58	83	17
JUL 05...	--	<3	--	--	--	86	3
AUG 29...	--	.61	--	--	--	86	7

Remark codes used in this table:

< -- Less than.

E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Selen- ium, bed sed <62.5um wet svd fld,tot ug/g (34950)
JUL 05...	1600	<.02	.2

Remark codes used in this table:

< -- Less than.

09363500 ANIMAS RIVER NEAR CEDAR HILL, NM

LOCATION.--Lat 37°02'12", long 107°52'30", in sec.7, T.32 N., R.9 W., La Plata County, Colorado, Hydrologic Unit 14080104, on right bank 0.8 mi downstream from Florida River, 2.5 mi upstream from Colorado-New Mexico State line, 8.5 mi north of Cedar Hill, and at mile 32.9.

DRAINAGE AREA.--1,090 mi², approximately.

PERIOD OF RECORD.--October 1933 to current year. Monthly discharge only for October and November 1933, published in WSP 1313.

REVISED RECORDS.--WSP 1563: 1940 and 1946 (monthly figures only).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,960 ft above NGVD of 1929, from topographic map. Prior to Sept. 14, 1937, at datum between 1.52 ft and 1.36 ft higher. Sept. 15, 1937, to Sept. 30, 1946, at datum 1.36 ft higher.

REMARKS.--Water-discharge records good except for those estimated, which are poor. Diversions for irrigation of about 20,000 acres upstream from station. During water years 1944-49, Twin Rocks canal diverted upstream from station for irrigation, now diverted downstream. Slight regulation by Lemon Dam about 30 mi upstream on Florida River since Nov. 1963 (capacity, 40,100 acre-ft).

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in Oct. 1911 at this location.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	900	659	e393	339	494	524	666	2,190	4,420	2,970	731	382
2	831	590	e385	318	471	519	774	2,140	4,660	2,760	696	376
3	796	548	e362	323	432	524	923	2,150	4,900	2,650	658	370
4	771	535	e371	515	428	519	1,110	2,170	4,030	2,400	644	396
5	752	515	e372	439	438	529	1,170	2,140	3,240	2,210	785	408
6	738	501	399	346	452	545	1,240	2,300	3,100	2,090	854	393
7	696	497	398	347	467	583	1,460	2,540	3,310	1,970	871	483
8	667	496	387	e308	468	630	1,890	2,430	3,440	1,840	871	527
9	632	534	396	e309	434	681	1,960	2,410	3,620	1,750	816	503
10	589	559	393	548	410	782	1,810	2,850	3,210	1,740	805	509
11	569	545	378	991	489	940	1,760	3,220	2,840	1,640	791	559
12	560	556	353	760	1,430	1,060	1,900	3,020	2,630	1,590	854	496
13	550	549	354	411	879	1,190	2,160	2,760	2,360	1,570	895	457
14	533	540	381	321	642	1,180	2,350	2,940	2,300	1,620	809	427
15	506	529	386	322	595	1,050	2,680	3,050	2,700	1,610	784	425
16	480	512	380	341	712	928	2,890	3,410	3,300	1,530	936	413
17	456	504	370	344	661	857	3,200	4,220	3,890	1,470	901	389
18	450	515	369	340	636	811	3,500	4,650	4,050	1,360	808	366
19	464	516	346	351	1,080	781	3,590	4,930	4,260	1,310	722	351
20	452	531	337	359	837	788	3,490	6,070	4,210	1,230	666	345
21	438	592	361	413	655	757	e3,050	6,830	e4,120	1,140	624	340
22	432	560	e346	464	609	712	e2,810	7,570	e4,560	1,090	588	353
23	440	532	e302	478	632	735	e2,660	7,990	4,840	1,080	556	404
24	419	500	e260	493	615	747	e3,550	8,370	4,710	1,050	535	445
25	422	477	e316	508	578	746	e3,730	8,410	4,310	1,080	511	398
26	429	480	e360	562	552	710	3,150	7,930	3,970	1,100	504	379
27	464	478	e409	902	535	703	2,890	7,130	3,670	1,020	493	376
28	727	466	402	765	524	729	2,730	6,520	3,280	936	478	471
29	967	461	447	582	---	752	2,580	5,660	3,100	862	465	619
30	819	e413	513	544	---	720	2,340	5,230	3,070	773	446	896
31	714	---	374	518	---	672	---	4,610	---	735	411	---
TOTAL	18,663	15,690	11,600	14,561	17,155	23,404	70,013	137,840	110,100	48,176	21,508	13,256
MEAN	602	523	374	470	613	755	2,334	4,446	3,670	1,554	694	442
MAX	967	659	513	991	1,430	1,190	3,730	8,410	4,900	2,970	936	896
MIN	419	413	260	308	410	519	666	2,140	2,300	735	411	340
AC-FT	37,020	31,120	23,010	28,880	34,030	46,420	138,900	273,400	218,400	95,560	42,660	26,290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2005, BY WATER YEAR (WY)

MEAN	466	344	271	249	264	435	1,086	2,530	2,943	1,232	630	539
MAX	2,479	1,068	555	470	613	1,043	2,334	5,686	6,145	3,710	2,372	1,922
(WY)	(1942)	(1942)	(1987)	(2005)	(2005)	(1993)	(2005)	(1941)	(1957)	(1957)	(1999)	(1970)
MIN	169	158	159	169	151	141	273	449	367	146	114	155
(WY)	(1957)	(1934)	(1957)	(1954)	(1964)	(1977)	(1977)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1934 - 2005

ANNUAL TOTAL	315,823		501,966			
ANNUAL MEAN	863		1,375		924	
HIGHEST ANNUAL MEAN					1,713	
LOWEST ANNUAL MEAN					268	
HIGHEST DAILY MEAN	3,630	May 11	8,410	May 25	11,800	Jun 19, 1949
LOWEST DAILY MEAN	138	Jan 6	260	Dec 24	0.00	Nov 1, 1933
ANNUAL SEVEN-DAY MINIMUM	185	Jan 23	324	Dec 19	0.00	Nov 1, 1933
MAXIMUM PEAK FLOW			9,350	May 24	13,100	Jun 19, 1949
MAXIMUM PEAK STAGE			10.22	May 24	11.45	Jun 19, 1949
INSTANTANEOUS LOW FLOW			227	Dec 25	0.00	Nov 1, 1933
ANNUAL RUNOFF (AC-FT)	626,400		995,600		669,700	
10 PERCENT EXCEEDS	2,140		3,460		2,440	
50 PERCENT EXCEEDS	534		667		413	
90 PERCENT EXCEEDS	207		375		210	

e Estimated

09364010 ANIMAS RIVER BELOW AZTEC, NM

LOCATION.--Lat 36°49'06", long 108°01'23", in the SW ¼ NE ¼ NE ¼ sec.18, T.30 N., R.11 W., San Juan County, Hydrologic Unit 14080104, on right bank 500 ft downstream from the Aztec sewage plant outfall, and 1.7 mi downstream from the West Chaco Street bridge.

DRAINAGE AREA.--1,270 mi², approximately.

PERIOD OF RECORD.--December 2002 to current year. Previous gage at a location upstream in 1904 and 1907-15 (drainage area 1,270 mi²).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Water-discharge records good except for those estimated, which are poor. Diversions for irrigation of about 28,000 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in Oct. 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e760	581	e408	380	527	e519	600	2,080	3,960	2,660	559	222
2	e700	531	e416	352	504	e526	662	2,020	4,220	2,480	541	231
3	e660	481	e406	355	467	e535	792	2,020	4,590	2,370	500	230
4	e630	e513	e414	475	453	e536	955	2,050	3,800	2,160	495	245
5	e610	e524	413	529	458	e544	1,070	2,010	2,870	1,970	545	256
6	e612	e494	429	377	468	e560	1,110	2,120	2,610	1,830	717	249
7	e570	e487	429	357	494	e592	1,300	2,340	2,780	1,670	645	240
8	559	e465	420	350	507	629	1,730	2,280	2,940	1,520	635	444
9	527	e498	436	348	474	691	1,920	2,200	3,090	1,430	589	381
10	495	e549	442	468	447	776	1,780	2,520	2,820	1,410	555	417
11	475	e560	424	894	506	928	1,660	2,930	2,430	1,360	563	428
12	460	e580	399	989	1,620	1,040	1,700	2,820	2,190	1,380	577	391
13	461	e573	391	503	1,210	1,210	1,930	2,530	1,960	1,380	684	343
14	458	e560	403	374	e620	1,230	2,090	2,590	1,820	1,410	601	311
15	446	e520	407	336	e580	1,100	2,440	2,780	2,100	1,290	552	293
16	429	482	403	357	e590	949	2,680	2,990	2,690	1,210	789	290
17	403	507	390	373	e700	859	2,960	3,740	3,320	1,130	776	266
18	397	510	381	370	e660	821	3,270	4,220	3,590	e1,050	633	242
19	399	518	373	371	e800	780	3,370	4,570	3,880	e991	553	224
20	389	536	352	375	e1,000	756	3,300	5,710	3,870	e936	499	208
21	378	575	e360	407	e680	735	2,990	6,760	3,740	e855	454	200
22	376	575	e357	481	e610	687	2,730	7,690	4,080	e816	419	204
23	384	537	e330	499	e630	677	2,600	8,160	4,440	e814	387	234
24	361	501	e267	510	e631	694	3,330	8,490	4,310	e801	361	291
25	369	481	e266	517	e592	695	3,750	8,360	3,870	e911	330	269
26	365	483	e365	553	e560	702	3,070	8,050	3,500	896	316	239
27	383	492	e328	827	e542	668	2,760	7,240	3,250	873	319	233
28	510	469	e359	965	e523	673	2,620	6,470	2,940	786	296	292
29	816	468	424	636	---	700	2,470	5,560	2,780	718	290	506
30	722	e435	578	587	---	681	2,250	4,970	2,730	624	281	696
31	635	---	440	561	---	631	---	4,300	---	569	248	---
TOTAL	15,739	15,485	12,210	15,476	17,853	23,124	65,889	132,570	97,170	40,300	15,709	9,075
MEAN	508	516	394	499	638	746	2,196	4,276	3,239	1,300	507	302
MAX	816	581	578	989	1,620	1,230	3,750	8,490	4,590	2,660	789	696
MIN	361	435	266	336	447	519	600	2,010	1,820	569	248	200
AC-FT	31,220	30,710	24,220	30,700	35,410	45,870	130,700	263,000	192,700	79,940	31,160	18,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	360	395	318	318	370	582	1,272	2,709	2,027	650	287	472
MAX	508	516	394	499	638	746	2,196	4,276	3,239	1,300	507	567
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	213	274	242	209	212	296	418	1,533	1,150	157	158	302
(WY)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2002 - 2005

ANNUAL TOTAL	276,417	460,600	
ANNUAL MEAN	755	1,262	
HIGHEST ANNUAL MEAN			979
LOWEST ANNUAL MEAN			1,262
HIGHEST DAILY MEAN	3,420	May 11	8,490
LOWEST DAILY MEAN	55	Sep 1	200
ANNUAL SEVEN-DAY MINIMUM	73	Aug 28	225
MAXIMUM PEAK FLOW			9,130
MAXIMUM PEAK STAGE			12.96
INSTANTANEOUS LOW FLOW			186
ANNUAL RUNOFF (AC-FT)	548,300	913,600	709,500
10 PERCENT EXCEEDS	1,820	3,080	2,620
50 PERCENT EXCEEDS	463	589	507
90 PERCENT EXCEEDS	205	349	216

e Estimated

09364500 ANIMAS RIVER AT FARMINGTON, NM

LOCATION.--Lat 36°43'21", long 108°12'07", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.29 N., R.13 W., San Juan County, Hydrologic Unit 14080104, in Boyd City Park, on right bank 900 ft upstream from bridge on Miller Ave., 0.4 mi downstream from bridge on U.S. Highway 64 in Farmington, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--1,360 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1904 to October 1905 (published as "near Farmington"), September 1912 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1243: 1931. WSP 1313: 1913.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,280 ft above NGVD of 1929, from topographic map. Prior to Nov. 1, 1905, non-recording gage at old bridge 0.1 mi upstream at different datum. Sept. 17, 1912, to Oct. 4, 1938, water-stage recorder at site 0.8 mi downstream at lower datums (datum lowered 2.0 ft Aug. 15, 1927, and raised 0.2 ft Dec. 16, 1929). Oct. 5, 1938, to Nov. 1, 1973, at site 900 ft downstream at datum 1.74 ft lower.

REMARKS.--Water-discharge records good except for those estimated, which are poor. Diversions for irrigation of about 30,000 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood occurred Oct. 6, 1911, when a stage of about 16.5 ft was reached (datum in use Oct. 1938 to Nov. 1973). Flood of Sept. 6, 1909, reached a stage of 11.1 ft, 1904-05 site and datum (discharge, about 19,000 ft³/s).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	966	687	431	419	548	520	637	2,200	4,120	2,790	478	181
2	849	649	424	397	527	533	674	2,150	4,310	2,610	472	170
3	795	578	420	400	497	549	805	2,150	4,700	2,470	424	187
4	761	570	414	470	467	545	968	2,150	4,050	2,270	372	189
5	728	572	435	604	469	550	1,110	2,110	3,120	2,060	449	203
6	721	552	431	445	479	568	1,140	2,150	2,850	1,920	712	201
7	691	544	433	410	510	589	1,290	2,360	2,990	1,790	634	190
8	642	537	434	414	527	635	1,700	2,350	3,140	1,620	653	463
9	608	583	433	407	497	691	1,960	2,240	3,270	1,500	621	387
10	574	584	439	475	466	763	1,840	2,480	3,080	1,480	559	429
11	550	570	428	897	492	910	1,710	2,880	2,710	1,410	569	408
12	531	571	413	1,090	1,430	1,040	1,720	2,860	2,470	1,290	558	383
13	529	573	400	596	1,310	1,190	1,940	2,580	2,260	1,160	689	321
14	518	564	410	432	745	1,230	2,090	2,580	2,080	1,300	614	291
15	494	544	428	371	640	1,120	2,410	2,760	2,300	1,330	562	259
16	470	548	433	393	e692	967	2,680	2,880	2,810	1,290	741	252
17	438	527	418	415	e769	882	2,910	3,460	3,410	1,190	834	238
18	433	524	411	413	e686	844	3,210	3,980	3,710	1,110	665	218
19	437	535	408	409	1,120	806	3,320	4,250	3,940	1,010	565	201
20	434	547	383	409	1,090	785	3,220	5,150	4,040	942	503	177
21	420	587	384	425	757	790	2,950	6,210	3,890	861	443	169
22	423	600	399	494	654	733	2,710	7,340	4,190	789	399	174
23	432	561	369	515	649	704	2,600	7,720	4,570	786	366	189
24	428	535	316	525	656	730	3,180	8,400	4,680	766	341	245
25	422	509	276	530	606	726	3,780	8,300	4,310	902	304	245
26	424	501	405	558	571	744	3,100	e8,160	3,870	852	280	215
27	441	507	380	756	549	692	2,770	e7,530	3,640	853	285	211
28	530	481	381	1,020	528	695	2,670	e6,640	3,160	757	278	269
29	930	488	437	691	---	730	2,540	e5,740	2,920	663	266	470
30	863	462	594	624	---	711	2,380	5,050	2,860	572	252	709
31	743	---	497	582	---	678	---	4,570	---	502	210	---
TOTAL	18,225	16,590	12,864	16,586	18,931	23,650	66,014	131,380	103,450	40,945	15,098	8,244
MEAN	588	553	415	535	676	763	2,200	4,238	3,448	1,321	487	275
MAX	966	687	594	1,090	1,430	1,230	3,780	8,400	4,700	2,790	834	709
MIN	420	462	276	371	466	520	637	2,110	2,080	502	210	169
AC-FT	36,150	32,910	25,520	32,900	37,550	46,910	130,900	260,600	205,200	81,210	29,950	16,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2005, BY WATER YEAR (WY)

MEAN	428	355	297	277	301	457	989	2,394	2,911	1,096	501	447
MAX	2,726	1,140	609	554	676	1,242	2,489	6,126	6,930	3,609	2,581	2,182
(WY)	(1942)	(1942)	(1987)	(1920)	(2005)	(1997)	(1979)	(1920)	(1920)	(1957)	(1999)	(1925)
MIN	87.0	152	174	163	162	112	54.1	195	171	14.1	4.69	10.6
(WY)	(1957)	(1935)	(1964)	(1996)	(1964)	(1977)	(1977)	(1977)	(2002)	(2002)	(2002)	(1956)

SAN JUAN RIVER BASIN

09364500 ANIMAS RIVER AT FARMINGTON, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1914 - 2005	
ANNUAL TOTAL	285,969		471,977			
ANNUAL MEAN	781		1,293		872	
HIGHEST ANNUAL MEAN					1,734	1920
LOWEST ANNUAL MEAN					177	2002
HIGHEST DAILY MEAN	3,410	May 11	8,400	May 24	11,000	Jun 19, 1949
LOWEST DAILY MEAN	26	Sep 3	169	Sep 21	0.00	Aug 8, 1996
ANNUAL SEVEN-DAY MINIMUM	47	Aug 28	189	Sep 1	0.00	Aug 13, 1996
MAXIMUM PEAK FLOW			8,940	May 25	a25,000	Jun 29, 1927
MAXIMUM PEAK STAGE			9.98	May 25	9.98	May 25, 2005
INSTANTANEOUS LOW FLOW			125	Sep 2	0.00	Aug 8, 1996
ANNUAL RUNOFF (AC-FT)	567,200		936,200		631,900	
10 PERCENT EXCEEDS	1,950		3,170		2,320	
50 PERCENT EXCEEDS	460		634		375	
90 PERCENT EXCEEDS	198		372		185	

a Site and datum then in use, from rating curve extended above 10,000 ft³/s.

e Estimated

09364500 ANIMAS RIVER AT FARMINGTON, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1940 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JAN 19...	0830	416	11	637	11.0	97	8.3	663	-1.5	2.5	--	--	--
MAR 24...	0900	737	45	625	10.2	102	8.5	560	7.0	6.5	250	76.1	13.7
AUG 04...	0840	385	3.8	634	7.0	94	8.1	567	21.5	20.5	230	73.5	11.0
AUG 30...	0820	285	2.4	630	7.6	97	8.4	647	15.0	17.5	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Carbonate, wat fltr incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
JAN 19...	--	--	--	155	186	--	--	--	--	--	--	--	--
MAR 24...	1.93	.6	19.9	147	148	2	13.1	.3	6.9	116	324	E.09	.26
AUG 04...	2.36	.7	24.5	129	154	--	16.9	.4	4.1	125	334	.14	.28
AUG 30...	--	--	--	141	169	2	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
JAN 19...	--	--	--	--	--	--	--	26	E100	--	--	--	--
MAR 24...	<.04	E.025	.15	<.008	<.02	.004	.079	E100	E4,000	9	<.20	<2	93
AUG 04...	<.04	E.022	E.04	<.008	<.02	E.003	.029	190	130	12	.21	<2	81
AUG 30...	--	--	--	--	--	--	--	30	150	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)
JAN 19...	--	--	--	--	--	--	--	--	--	<.01	--	--	--
MAR 24...	<.06	35	<.04	<.8	.202	1.3	<6	E.04	14.5	<.01	1.0	2.54	<3
AUG 04...	<.06	50	<.04	<.8	.175	2.8	9	.19	17.6	<.01	1.7	1.86	<3
AUG 30...	--	--	--	--	--	--	--	--	--	<.01	--	--	--

09364500 ANIMAS RIVER AT FARMINGTON, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concentration mg/L (80154)
JAN 19...	E1	--	--	--	90	39
MAR 24...	<3	<.2	4.8	1.55	54	156
AUG 04...	E1	<.2	2.6	1.64	86	38
30...	.39	--	--	--	78	14

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	2,6-Di-ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Carbo- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)
MAR 24...	0900	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)
MAR 24...		<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water, fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)
MAR 24...		<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water, fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water, fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)
MAR 24...		<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006

09364500 ANIMAS RIVER AT FARMINGTON, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)
MAR 24...	<.009

Remark codes used in
this table:
< -- Less than.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Selen- ium, bed sed <62.5um wet svd fld,tot ug/g (34950)
JAN 19...	0830	.04	.2
MAR 24...	0900	<.02	.2
AUG 04...	0840	.02	.2

Remark codes used in this table:
< -- Less than.

LOCATION.--Lat 36°43'23", long 108°13'33", in NW ¼ SE ¼ sec.17, T.29 N., R.13 W., San Juan County, Hydrologic Unit 14080105, on left bank 360 ft downstream from highway bridge on State Highway 371 in Farmington, 4,000 ft downstream from Animas River, 2.3 mi upstream from La Plata River, and at mile 251.4.

DRAINAGE AREA.--7,240 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to December 1904, January 1905 to September 1906 (gage heights and discharge measurements only), September 1912 to current year. Monthly discharge only for some periods, published in WSP 1313. Discharge records for January to December 1905, published in WSP 175, are unreliable and should not be used.

REVISED RECORDS.--WSP 1119: drainage area. WSP 1243: 1938. WSP 1313: 1905, 1914. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,230.37 ft above NGVD of 1929. See WSP 1313 or 1733 for history of changes prior to Nov. 19, 1933.

REMARKS.--Records good except those estimated, which are fair. Since June 1962 flow is partly controlled by operation of Navajo Reservoir (station 09355100) 50 mi upstream. Diversions upstream from station for irrigation of about 86,000 acres, 4,000 of which are irrigated by Farmers Mutual ditch, which diverts from Animas River and bypasses this station; ditch flow not included in record. At times this ditch may be supplied partly or entirely by diversion from San Juan River downstream from this station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood occurred Oct. 6, 1911. Flood of Sept. 6, 1909, reached a stage of about 12.3 ft, site and datum in use May to September 1906.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,190	998	635	695	855	901	1,050	2,870	8,860	3,020	840	637
2	1,120	875	627	668	830	856	1,060	2,800	8,740	2,860	801	633
3	1,060	774	656	694	796	853	1,180	2,780	9,420	2,710	688	780
4	1,050	766	672	806	774	825	1,300	2,960	8,820	2,520	658	848
5	1,020	769	700	880	773	866	1,440	3,760	7,460	2,290	763	763
6	1,010	754	706	732	771	854	1,520	4,510	6,960	2,110	1,200	755
7	991	728	715	686	811	880	1,640	4,770	7,240	2,000	1,100	743
8	899	733	711	680	834	912	2,020	4,780	7,570	1,850	1,200	1,330
9	843	802	714	680	802	981	2,250	4,510	7,790	1,760	1,080	1,130
10	800	805	714	785	780	1,040	2,180	4,730	7,630	1,780	976	1,130
11	780	788	684	1,170	832	1,160	2,050	5,590	7,060	1,700	884	1,050
12	764	787	662	1,330	1,850	1,290	2,050	5,780	6,780	1,560	895	1,020
13	758	783	670	874	1,900	1,450	2,240	5,950	6,440	1,530	1,420	948
14	750	771	687	703	1,110	1,510	2,400	5,890	6,180	1,580	1,050	675
15	764	749	705	652	972	1,420	2,700	6,270	6,360	1,610	1,070	628
16	756	763	715	685	1,020	1,280	2,980	6,510	6,980	1,580	1,130	603
17	711	750	694	716	1,090	1,200	3,230	7,520	7,240	1,510	1,210	597
18	712	747	694	716	1,060	1,290	3,560	8,520	7,100	1,450	1,010	571
19	711	757	686	718	1,780	1,230	3,620	10,200	7,050	1,370	905	554
20	705	774	658	718	1,820	1,210	3,580	10,900	6,030	1,330	841	528
21	694	814	665	726	1,150	1,210	3,330	12,100	5,870	1,230	772	624
22	692	818	674	784	983	1,110	3,070	13,700	5,970	1,180	719	655
23	693	778	636	793	1,050	1,090	2,940	13,400	5,740	1,180	680	678
24	667	750	526	812	1,070	1,130	3,670	13,700	5,180	1,160	656	714
25	665	700	e573	811	1,050	1,180	4,410	13,600	4,570	1,360	611	709
26	666	688	e664	845	982	1,190	3,650	13,500	4,220	1,280	689	682
27	705	696	e689	1,060	966	1,120	3,380	12,800	3,900	1,240	728	684
28	821	705	663	1,290	947	1,090	3,690	12,000	3,470	1,120	731	782
29	1,130	709	749	984	---	1,120	3,460	11,000	3,190	1,020	723	956
30	1,130	672	892	933	---	1,100	3,100	10,100	3,090	931	699	1,270
31	1,040	---	764	893	---	1,080	---	9,550	---	868	670	---
TOTAL	26,297	23,003	21,200	25,519	29,658	34,428	78,750	247,050	192,910	50,689	27,399	23,677
MEAN	848	767	684	823	1,059	1,111	2,625	7,969	6,430	1,635	884	789
MAX	1,190	998	892	1,330	1,900	1,510	4,410	13,700	9,420	3,020	1,420	1,330
MIN	665	672	526	652	771	825	1,050	2,780	3,090	868	611	528
AC-FT	52,160	45,630	42,050	50,620	58,830	68,290	156,200	490,000	382,600	100,500	54,350	46,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

MEAN	1,180	991	970	990	1,113	1,524	2,886	4,927	5,292	2,144	1,301	1,177
MAX	7,271	3,549	3,381	3,271	3,032	5,304	9,133	18,830	14,990	8,639	6,044	4,978
(WY)	(1942)	(1987)	(1966)	(1986)	(1987)	(1993)	(1932)	(1941)	(1941)	(1957)	(1999)	(1999)
MIN	286	315	362	329	374	349	391	576	517	192	166	170
(WY)	(1957)	(1951)	(1957)	(1963)	(1964)	(1964)	(1964)	(1977)	(1934)	(1934)	(1939)	(1956)

09365000 SAN JUAN RIVER AT FARMINGTON, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1931 - 2005	
ANNUAL TOTAL	387,389		780,580			
ANNUAL MEAN	1,058		2,139		2,042	
HIGHEST ANNUAL MEAN					5,054	
LOWEST ANNUAL MEAN					728	
HIGHEST DAILY MEAN	3,450	Jun 8	13,700	May 22	30,000	May 14, 1941
LOWEST DAILY MEAN	450	Jan 6	526	Dec 24	27	Aug 22, 1939
ANNUAL SEVEN-DAY MINIMUM	498	Jan 20	586	Sep 15	37	Jul 1, 1934
MAXIMUM PEAK FLOW			14,400	May 22	a68,000	Jun 29, 1927
MAXIMUM PEAK STAGE			8.08	May 22	b10.20	Jun 29, 1927
INSTANTANEOUS LOW FLOW			464	Dec 25	14	Aug 22, 1939
ANNUAL RUNOFF (AC-FT)	768,400		1,548,000		1,480,000	
10 PERCENT EXCEEDS	2,070		6,090		4,940	
50 PERCENT EXCEEDS	748		1,010		1,070	
90 PERCENT EXCEEDS	533		679		460	

a From rating curve extended above 37,000 ft³/s.

b Site and datum then in use.

e Estimated

09365000 SAN JUAN RIVER AT FARMINGTON, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
JAN 19...	E2	--	--	--	20	302
MAR 24...	<3	<.2	1.9	1.51	26	1,130
AUG 04...	<3	<.2	1.5	1.20	76	30
30...	.54	--	--	--	54	246

Remark codes used in this table:

< -- Less than.

E -- Estimated.

SAN JUAN RIVER BASIN

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'59", long 108°11'17", referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.10, T.32 N., R.13 W., La Plata County, Hydrologic Unit 14080105, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream from Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

DRAINAGE AREA.--331 mi .

PERIOD OF RECORD.--January 1920 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1934 (M), 1936 (M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,972.03 ft above NGVD of 1929. See WSP 1713 or 1733 for history of changes prior to Mar. 17, 1934. Mar. 17, 1934 to July 1, 1996, water-stage recorder at same site, and at datum 3.12 ft higher.

REMARKS.--Records good except Apr. 25-25 and May 24-25 which are fair, and estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 15,000 acres, mostly upstream from station.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17	10	e5.5	9.5	20	31	55	e120	135	59	11	2.7
2	15	9.0	e5.0	9.0	18	30	53	e120	130	54	10	2.6
3	16	8.5	e5.0	9.0	19	30	55	148	124	53	8.0	2.2
4	18	8.4	e5.0	12	25	29	72	175	91	53	13	2.8
5	14	8.2	e5.5	13	28	29	85	133	56	49	23	5.2
6	13	8.4	e5.5	11	27	33	97	116	51	46	14	8.9
7	16	8.6	5.6	9.4	26	38	125	111	64	44	11	5.5
8	14	8.7	5.9	9.4	27	43	166	104	59	44	15	2.1
9	14	12	6.1	8.9	24	47	193	92	55	36	10	1.6
10	13	13	5.9	16	27	52	174	93	75	40	11	9.1
11	13	11	5.6	30	31	58	138	107	55	46	15	6.6
12	13	12	5.4	39	56	60	131	102	56	43	17	6.1
13	12	12	5.4	22	73	73	152	88	57	34	24	5.3
14	12	13	5.0	19	65	78	201	e100	70	37	18	5.7
15	12	12	5.1	19	51	73	287	e110	63	34	12	7.1
16	12	11	4.9	21	43	70	311	e120	101	31	8.0	7.2
17	13	11	4.9	21	43	65	350	e150	95	29	7.4	6.9
18	12	10	5.1	19	43	60	400	e180	78	29	7.4	7.7
19	11	9.5	5.0	19	49	57	377	e220	80	22	8.7	7.4
20	12	8.9	4.9	18	51	62	337	e300	85	18	7.3	6.6
21	11	11	5.1	18	40	64	295	e420	102	16	5.3	6.3
22	11	12	4.3	18	36	58	221	519	83	16	4.7	6.0
23	11	11	e4.0	17	36	55	177	507	75	21	4.1	5.3
24	11	10	e4.0	18	38	57	252	496	70	23	3.6	4.6
25	11	9.2	e5.0	18	37	57	417	425	82	35	4.5	3.8
26	11	8.6	e5.0	19	35	58	311	396	74	26	3.9	4.0
27	11	8.0	e5.0	33	33	56	218	334	67	17	3.4	4.9
28	13	7.7	e6.0	31	32	54	177	283	64	18	3.4	7.0
29	12	6.8	e8.0	27	---	56	154	209	65	14	3.1	6.1
30	11	5.8	15	25	---	59	146	213	69	11	3.4	1.7
31	11	---	12	22	---	55	---	163	---	9.0	2.9	---
Total	396	295.3	179.7	580.2	1,033	1,647	6,127	6,654	2,331	1,007.0	293.1	207.6
Mean	12.8	9.84	5.80	18.7	36.9	53.1	204	215	77.7	32.5	9.45	6.92
Max	18	13	15	39	73	78	417	519	135	59	24	21
Min	11	5.8	4.0	8.9	18	29	53	88	51	9.0	2.9	2.2
Ac-ft	785	586	356	1,150	2,050	3,270	12,150	13,200	4,620	2,000	581	412

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13.3	11.7	11.9	11.8	16.8	36.6	104	108	65.3	19.6	11.8	11.2
Max	260	99.2	53.9	38.3	53.9	139	364	506	306	99.4	65.1	126
(WY)	(1942)	(1942)	(1987)	(1942)	(1924)	(1997)	(1980)	(1941)	(1957)	(1957)	(1957)	(1927)
Min	0.10	0.98	1.24	0.80	2.38	0.63	3.06	5.32	1.94	0.02	0.01	0.00
(WY)	(1935)	(1940)	(1978)	(1930)	(2003)	(1977)	(1977)	(1977)	(1924)	(1922)	(1922)	(1956)

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1921 - 2005	
Annual total	7,497.56		20,750.9			
Annual mean	20.5		56.9		35.1	
Highest annual mean					109	
Lowest annual mean					4.44	
Highest daily mean	179	Apr 5	519	May 22	1,120	May 4, 1941
Lowest daily mean	0.00	Aug 1	2.2	Sep 3	0.00	Jul 3, 1922
Annual seven-day minimum	0.01	Sep 12	2.8	Aug 29	0.00	Jul 3, 1922
Maximum peak flow			650		b,4,750	
Maximum peak stage			6.73		11.36	
Annual runoff (ac-ft)	14,870		41,160	May 22	25,430	Aug 24, 1927
10 percent exceeds	64		149		84	
50 percent exceeds	8.9		21		12	
90 percent exceeds	0.60		5.3		1.7	

a No flow at times in many years.

b From rating curve extended above 750 ft /s, on basis of slope-area measurement of peak flow, at datum then in use.

c Estimated

09367000 LA PLATA RIVER AT LA PLATA, NM

LOCATION.--Lat 36°55'44", long 108°11'06", in E 1/2 E 1/2 sec.3, T.32 W., R.13 N., AT LA PLATA.

DRAINAGE AREA.--351 mi², approximately.

PERIOD OF RECORD.--December 2002 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,736 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Multiple diversions for irrigation upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	0.37	e2.8	14	25	36	72	64	69	6.2	1.7	0.19
2	0.23	1.6	e2.8	13	23	36	69	67	64	5.3	0.89	0.18
3	0.15	3.2	e2.8	13	22	36	71	89	60	5.7	1.5	0.13
4	0.20	3.5	e2.9	16	29	36	92	116	43	9.6	1.4	0.12
5	0.15	5.8	3.1	16	34	36	115	84	17	8.8	10	0.44
6	2.9	5.8	3.1	13	33	42	119	66	6.2	6.9	3.5	0.66
7	0.19	5.5	3.1	12	32	45	130	61	17	5.8	0.18	0.78
8	0.16	4.2	3.2	13	33	50	166	54	13	7.2	2.1	9.0
9	0.16	5.9	3.1	12	28	58	188	40	9.3	2.8	2.0	16
10	0.18	7.5	3.0	18	30	65	168	35	20	1.5	3.0	3.2
11	0.21	6.4	3.0	34	40	73	135	44	8.3	3.9	3.4	0.58
12	0.27	5.5	3.0	52	102	77	126	42	9.0	2.0	5.2	0.31
13	0.28	7.3	3.0	30	102	92	144	34	11	0.95	4.8	0.98
14	0.19	8.7	2.5	25	85	104	187	33	24	2.2	4.4	0.72
15	0.13	7.3	2.5	24	62	95	240	42	13	e1.5	4.4	0.78
16	0.19	7.3	e2.6	25	47	88	250	54	39	4.2	3.9	0.05
17	0.13	7.1	e3.6	25	48	82	274	82	38	0.37	1.9	0.06
18	0.12	6.9	e3.7	23	48	76	303	112	24	0.78	1.2	0.06
19	0.13	6.7	e3.2	22	63	71	297	131	25	0.32	0.62	0.05
20	0.14	6.3	e3.9	21	62	78	286	188	26	0.52	0.28	0.20
21	0.15	8.0	e3.3	21	47	83	236	248	46	0.59	0.18	0.20
22	0.16	8.5	e3.5	21	40	74	178	325	30	1.3	0.33	0.21
23	0.18	7.8	e4.2	20	40	68	152	345	22	3.6	0.18	0.14
24	0.20	6.6	e3.3	20	43	75	204	336	17	1.6	0.13	0.13
25	0.23	4.4	e4.0	21	43	74	323	301	23	6.2	0.32	0.15
26	0.25	3.2	e5.9	22	41	77	248	255	16	1.1	0.36	0.16
27	0.40	2.7	e5.5	41	39	73	174	212	7.7	0.18	0.23	0.19
28	0.43	3.1	e5.0	40	37	70	137	174	7.1	1.4	0.17	0.85
29	0.33	e3.1	11	35	---	75	112	124	9.5	1.9	0.12	1.1
30	0.29	e3.0	19	32	---	77	103	127	12	0.82	0.14	3.1
31	0.27	---	18	28	---	74	---	94	---	0.96	0.24	---
TOTAL	9.43	163.27	143.6	722	1,278	2,096	5,299	3,979	726.1	96.19	58.77	40.72
MEAN	0.30	5.44	4.63	23.3	45.6	67.6	177	128	24.2	3.10	1.90	1.36
MAX	2.9	8.7	19	52	102	104	323	345	69	9.6	10	16
MIN	0.12	0.37	2.5	12	22	36	69	33	6.2	0.18	0.12	0.05
AC-FT	19	324	285	1,430	2,530	4,160	10,510	7,890	1,440	191	117	81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	0.97	3.60	3.23	9.81	17.4	27.5	70.7	51.2	12.7	2.11	1.29	8.02
MAX	1.64	5.44	4.63	23.3	45.6	67.6	177	128	24.2	3.10	1.90	21.8
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2003)
MIN	0.30	1.76	1.83	2.92	1.17	2.31	3.23	9.18	6.80	0.27	0.53	0.91
(WY)	(2005)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	2,572.07	14,612.08	
ANNUAL MEAN	7.03	40.0	23.3
HIGHEST ANNUAL MEAN			40.0
LOWEST ANNUAL MEAN			6.60
HIGHEST DAILY MEAN	149	345	446
LOWEST DAILY MEAN	0.02	0.05	0.01
ANNUAL SEVEN-DAY MINIMUM	0.07	0.12	0.01
MAXIMUM PEAK FLOW		436	436
MAXIMUM PEAK STAGE		7.37	7.37
INSTANTANEOUS LOW FLOW		0.10	0.10
ANNUAL RUNOFF (AC-FT)	5,100	28,980	16,880
10 PERCENT EXCEEDS	15	115	72
50 PERCENT EXCEEDS	3.0	9.0	3.6
90 PERCENT EXCEEDS	0.14	0.19	0.18

e Estimated

09368000 SAN JUAN RIVER AT SHIPROCK, NM

LOCATION.--Lat 36°46'53", long 108°41'23", in SE $\frac{1}{4}$ sec.25, T.30 N., R.18 W., San Juan County, Hydrologic Unit 14080105, on right bank 500 ft upstream from bridge on U.S. Highway 666 in Shiprock, 3.0 mi downstream from Chaco River, and at mile 215.0.

DRAINAGE AREA.--12,900 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January to October 1911, February 1927 to current year. Monthly or yearly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1243: 1931, 1934-38, 1951. WSP 1313: 1911, 1933. WDR NM-78-1: 1977.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,890 ft above NGVD of 1929 (river-profile survey). Prior to Apr. 6, 1922, nonrecording gage, and Apr. 7, 1922, to Oct. 25, 1933, water-stage recorder at site 3 mi upstream at different datum. Oct. 26, 1933, to Sept. 30, 1936, water-stage recorder at datum 3.31 ft higher and Oct. 1, 1936, to Sept. 30, 1952, at datum 1.77 ft higher. Supplementary water-stage recorders at nearby sites, same datum, used at times. Water-stage recorder at site 4 mi upstream Sept. 1994.

REMARKS.--Water-discharge records good except for those above 1,500 ft³/s, which are fair, and for those estimated, which are poor. Since 1962 flow partly regulated by Navajo Reservoir (station 09355100). Diversions for irrigation of about 118,000 acres upstream from station. Ungaged canals bypass station on both right and left banks, though some of bypass flow is returned to river downstream from gage.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood occurred Oct. 6, 1911, and reached a stage of 22 ft, site and datum then in use.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1,440	1,030	738	753	975	862	1,310	3,440	8,740	3,010	625	454
2	e1,160	1,020	704	704	925	847	1,310	3,350	8,760	2,860	596	433
3	e1,050	834	734	710	925	826	1,460	3,420	9,160	2,680	529	438
4	e987	798	752	795	919	800	1,590	3,430	9,060	2,550	449	611
5	e871	804	785	1,040	933	828	1,700	4,230	7,880	2,210	490	590
6	e912	796	732	832	941	824	1,730	5,230	7,280	1,970	1,160	542
7	913	768	699	731	966	870	1,920	5,560	7,340	1,860	1,450	575
8	952	769	708	723	1,050	991	2,320	5,520	7,530	1,680	1,480	874
9	705	951	697	725	981	1,120	2,690	5,280	7,650	1,580	1,250	1,920
10	650	966	705	755	927	1,180	2,620	5,270	7,680	1,520	1,080	1,460
11	619	886	685	1,250	920	1,320	2,440	5,850	7,200	1,510	1,000	1,080
12	729	836	659	1,740	2,010	1,430	2,320	6,050	6,860	1,340	1,290	1,020
13	622	863	633	1,210	2,790	1,590	2,560	6,400	6,610	1,320	1,600	904
14	625	842	664	848	1,970	1,660	2,740	6,440	6,300	1,280	1,600	682
15	622	831	680	749	1,320	1,620	2,960	6,730	6,260	1,390	1,670	495
16	710	823	710	764	1,130	1,520	3,430	6,770	6,830	1,380	2,360	459
17	668	811	719	793	1,320	1,430	3,660	7,320	7,050	1,310	1,870	438
18	772	828	695	786	1,150	1,510	4,090	8,130	6,920	1,270	1,450	415
19	647	855	695	778	1,870	1,510	4,230	9,430	6,980	1,130	1,140	371
20	507	828	680	784	3,220	1,460	4,130	10,100	5,860	1,090	899	322
21	486	876	662	786	2,000	1,460	3,870	11,000	5,510	975	718	333
22	489	924	705	841	1,400	1,360	3,510	11,900	5,560	921	635	463
23	490	842	717	882	1,220	1,330	3,340	12,600	5,430	887	528	605
24	499	812	691	898	1,320	1,370	3,710	12,900	4,990	893	473	602
25	495	759	e603	911	1,430	1,420	5,210	13,200	4,450	1,080	421	628
26	521	722	e643	933	1,110	1,510	4,510	13,000	4,020	1,180	474	614
27	616	711	790	1,160	992	1,400	3,850	12,600	3,770	1,130	572	611
28	837	732	706	1,550	925	1,410	3,930	11,700	3,390	998	575	619
29	1,230	731	736	1,170	---	1,430	3,940	11,000	3,280	856	569	684
30	1,240	736	989	1,090	---	1,430	3,710	10,100	3,040	755	523	1,290
31	1,060	---	924	1,060	---	1,300	---	9,520	---	672	476	---
TOTAL	24,124	24,984	22,240	28,751	37,639	39,618	90,790	247,470	191,390	45,287	29,952	20,532
MEAN	778	833	717	927	1,344	1,278	3,026	7,983	6,380	1,461	966	684
MAX	1,440	1,030	989	1,740	3,220	1,660	5,210	13,200	9,160	3,010	2,360	1,920
MIN	486	711	603	704	919	800	1,310	3,350	3,040	672	421	322
AC-FT	47,850	49,560	44,110	57,030	74,660	78,580	180,100	490,900	379,600	89,830	59,410	40,730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2005, BY WATER YEAR (WY)

MEAN	1,226	1,077	1,037	1,047	1,183	1,577	2,884	4,773	5,175	2,114	1,321	1,215
MAX	8,370	3,997	3,420	3,169	3,314	5,099	9,275	19,790	15,540	8,869	5,731	4,298
(WY)	(1942)	(1987)	(1966)	(1966)	(1987)	(1993)	(1937)	(1941)	(1941)	(1957)	(1999)	(1999)
MIN	247	365	386	390	395	359	274	268	433	185	126	44.4
(WY)	(1957)	(1935)	(1957)	(1963)	(1964)	(1964)	(1977)	(1977)	(2002)	(1963)	(1939)	(1956)

09368000 SAN JUAN RIVER AT SHIPROCK, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1935 - 2005	
ANNUAL TOTAL	384,975		802,777			
ANNUAL MEAN	1,052		2,199		2,053	
HIGHEST ANNUAL MEAN					5,324	
LOWEST ANNUAL MEAN					657	
HIGHEST DAILY MEAN	4,760	Apr 5	13,200	May 25	33,300	Oct 14, 1941
LOWEST DAILY MEAN	278	Aug 13	322	Sep 20	8.0	Aug 25, 1939
ANNUAL SEVEN-DAY MINIMUM	308	Aug 9	400	Sep 16	13	Jul 24, 1959
MAXIMUM PEAK FLOW			13,600	May 25	80,000	Aug 11, 1929
MAXIMUM PEAK STAGE			14.50	May 25	14.50	May 25, 2005
INSTANTANEOUS LOW FLOW			299	Sep 21	a8.0	Aug 25, 1939
ANNUAL RUNOFF (AC-FT)	763,600		1,592,000		1,487,000	
10 PERCENT EXCEEDS	2,210		6,340		4,910	
50 PERCENT EXCEEDS	732		1,050		1,090	
90 PERCENT EXCEEDS	450		604		452	

a Also occurred Aug. 26, 1939.

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1941-45, 1951 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JAN 20...	1325	770	40	643	11.6	108	8.4	741	13.0	5.0	310	94.6	18.2
MAR 23...	1450	1,320	65	629	9.6	118	8.4	586	17.0	16.0	240	73.4	14.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Carbonate, wat fltr incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
JAN 20...	3.07	1	52.1	148	176	2	19.8	.4	7.8	209	497	.44	.30
MAR 23...	2.27	.9	33.7	132	157	2	12.9	.3	8.4	139	365	.13	.40

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
JAN 20...	<.04	E.061	.62	E.006	E.01	.015	.087	E50	200	16	E.12	<2	89
MAR 23...	<.04	E.023	.38	<.008	E.01	.018	.19	<8	<42	6	E.13	<2	85

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)
JAN 20...	<.06	78	E.02	<.8	.313	1.9	17	E.06	5.5	<.01	2.2	1.62	<3
MAR 23...	<.06	41	<.04	<.8	.209	1.5	E4	<.08	2.7	E.01	1.5	2.97	<3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Suspended sedi-ment concentration mg/L (80154)
JAN 20...	<3	<.2	2.5	2.59	31	241
MAR 23...	<3	<.2	1.6	1.90	26	955

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

09368000 SAN JUAN RIVER AT SHIPROCK, NM—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Mercury bed sed <62.5um wet svd fld,tot, ug/g (34910)	Selen- ium, bed sed <62.5um wet svd fld,tot ug/g (34950)
JAN 20...	1325	<.02	<.1
AUG 03...	1645	<.02	.1

Remark codes used in this table:

< -- Less than.

SAN JUAN RIVER BASIN

09371010 SAN JUAN RIVER AT FOUR CORNERS, CO

LOCATION.--Lat 37°00'04", long 109°01'44", SE 1/4 NE 1/4 SW 1/4 sec.21, T.32 N., R.20 W., Montezuma County, Hydrologic Unit 14080201, on right bank 0.1 mi north of New Mexico-Colorado State line, 1,300 ft upstream from bridge on U.S. Highway 160, 1.0 mi east of Four Corners Monument, 3.0 mi downstream from Mancos River, and at mile 187.2.

DRAINAGE AREA.--14,600 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,600 ft above NGVD of 1929, from topographic map. Prior to July 2003, at site on left bank.

REMARKS.--Water-discharge records good except for those estimated, which are fair. Flow partly regulated by Navajo Reservoir (09355100).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,940	1,000	725	776	878	e960	1,240	3,480	8,840	2,890	676	495
2	1,510	1,020	703	669	817	939	1,220	3,390	8,530	2,800	663	494
3	1,300	854	721	658	771	935	1,280	3,460	8,890	2,570	643	469
4	1,220	775	739	684	790	927	1,410	3,650	9,340	2,470	572	572
5	1,050	759	763	851	772	906	1,650	4,170	8,200	2,240	538	667
6	961	755	766	900	765	936	1,700	4,900	7,330	2,070	673	616
7	943	738	e709	730	778	932	1,790	5,290	7,170	1,900	1,540	631
8	1,040	716	e700	685	845	969	2,070	5,320	7,390	1,730	1,480	605
9	813	897	e697	667	830	1,080	2,670	5,180	7,570	1,620	1,280	1,810
10	748	948	e699	674	778	1,150	2,780	5,080	7,660	1,530	1,220	1,750
11	702	849	e688	923	759	1,240	2,550	5,540	7,300	1,530	1,150	1,200
12	772	794	e660	1,690	1,150	1,400	2,330	5,850	6,920	1,410	1,180	1,010
13	712	792	e631	1,360	2,800	1,530	2,400	5,930	6,700	1,320	1,280	918
14	700	780	e653	865	2,320	1,710	2,680	6,050	6,390	1,270	1,530	819
15	692	766	e671	712	1,440	1,710	3,060	6,230	6,150	1,330	1,260	602
16	734	754	e696	651	1,140	1,570	3,630	6,180	6,480	1,350	1,930	547
17	751	757	e739	679	1,250	1,430	3,960	6,570	6,740	1,310	1,730	510
18	745	752	e696	701	1,170	1,430	4,310	7,270	6,740	1,280	1,390	489
19	725	783	e690	693	1,360	1,450	4,530	8,050	6,690	1,170	1,150	477
20	588	783	e670	685	3,010	1,410	4,450	9,020	6,000	1,110	902	447
21	596	840	e648	686	e2,680	1,440	4,240	9,720	5,570	1,040	743	431
22	590	864	615	693	e1,630	1,370	3,710	10,400	5,440	963	640	492
23	596	844	653	759	e1,270	1,300	3,470	11,200	5,500	931	587	634
24	593	778	650	753	e1,340	1,300	3,570	11,900	5,200	929	507	617
25	599	759	578	779	e1,660	1,420	5,270	12,500	4,630	948	509	653
26	596	710	552	790	e1,240	1,500	4,860	12,900	4,300	1,180	481	623
27	659	692	687	874	e1,050	1,430	4,020	13,500	3,930	1,110	581	649
28	821	707	688	1,300	e968	1,360	3,880	13,100	3,560	1,040	601	637
29	1,020	714	624	1,170	---	1,390	3,970	12,100	3,290	909	598	1,300
30	1,250	710	737	976	---	1,430	3,760	10,600	3,010	810	567	1,690
31	1,110	---	918	953	---	1,290	---	9,980	---	742	532	---
TOTAL	27,076	23,890	21,366	25,986	36,261	39,844	92,460	238,510	191,460	45,502	29,133	22,854
MEAN	873	796	689	838	1,295	1,285	3,082	7,694	6,382	1,468	940	762
MAX	1,940	1,020	918	1,690	3,010	1,710	5,270	13,500	9,340	2,890	1,930	1,810
MIN	588	692	552	651	759	906	1,220	3,390	3,010	742	481	431
AC-FT	53,710	47,390	42,380	51,540	71,920	79,030	183,400	473,100	379,800	90,250	57,790	45,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2005, BY WATER YEAR (WY)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	1,211	1,270	1,259	1,320	1,417	1,864	2,700	4,496	4,904	2,135	1,426	1,404																	
MAX	2,959	3,732	3,466	3,300	3,365	5,454	7,893	10,220	10,370	6,846	6,135	4,852																	
(WY)	(1987)	(1987)	(1987)	(1987)	(1987)	(1993)	(1979)	(1979)	(1979)	(1979)	(1999)	(1999)																	
MIN	633	612	517	524	558	663	581	713	501	330	259	467																	
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2003)	(2002)	(2002)	(2000)	(1978)	(1989)																	

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1978 - 2005

ANNUAL TOTAL	391,359	794,342	
ANNUAL MEAN	1,069	2,176	2,117
HIGHEST ANNUAL MEAN			4,180
LOWEST ANNUAL MEAN			738
HIGHEST DAILY MEAN	5,110	Apr 5	13,500
LOWEST DAILY MEAN	289	Aug 11	431
ANNUAL SEVEN-DAY MINIMUM	321	Aug 8	485
MAXIMUM PEAK FLOW			14,100
MAXIMUM PEAK STAGE			6.14
INSTANTANEOUS LOW FLOW			424
ANNUAL RUNOFF (AC-FT)	776,300	1,576,000	1,534,000
10 PERCENT EXCEEDS	2,230	6,090	5,180
50 PERCENT EXCEEDS	735	1,040	1,240
90 PERCENT EXCEEDS	462	621	599

a Maximum gage height, 14.43 ft, Dec. 12, 1978 (backwater from ice).
e Estimated

09371010 SAN JUAN RIVER AT FOUR CORNERS, CO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978-81, 1985 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JAN 20...	0930	711	58	651	11.6	101	8.4	830	1.5	3.0	330	95.2	21.9
MAR 23...	1030	1,290	130	636	9.4	98	8.4	662	17.0	9.0	250	72.0	16.2
AUG 03...	1340	655	930	648	6.5	93	8.2	611	30.5	25.0	220	65.8	13.3
31...	0940	548	34	646	8.0	102	8.6	585	20.0	19.0	190	56.6	11.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltrd mg/L (70300)
JAN 20...	2.92	1	53.1	153	183	2	19.8	.4	7.9	248	541	579
MAR 23...	2.08	1	36.6	136	162	2	13.3	.3	8.5	174	404	443
AUG 03...	2.90	1	42.7	123	146	--	13.0	.4	6.2	152	368	400
31...	2.14	1	30.9	124	146	3	12.9	.3	8.1	144	340	389

09386900 RIO NUTRIA NEAR RAMAH, NM

LOCATION.--Lat 35°16'57", long 108°33'09", in NW ¼ SW ¼ sec.8, T.12 N., R.16 W., McKinley County, Hydrologic Unit 15020004, on Zuni Indian Reservation, on left bank at mouth of Nutria Canyon, 0.9 mi upstream from Nutria diversion dam, 1.3 mi northeast of Upper Nutria, and 10.4 mi northwest of Ramah.

DRAINAGE AREA.--71.4 mi².

PERIOD OF RECORD.--October 1969 to current year.

REVISED RECORDS.--WDR NM-78-1: 1977.

GAGE.--Water-stage recorder and concrete control. Concrete control raised 1.0 ft June 6, 1975. Control raised 2.35 ft June 28, 1984. Elevation of gage is 6,860 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.13	0.03	e0.03	e0.18	1.8	6.6	3.2	0.00	0.00	e0.0	0.00
2	0.10	0.10	0.02	0.03	0.61	1.5	4.7	2.8	0.00	0.00	e0.0	0.00
3	0.11	0.07	0.02	0.02	0.47	1.2	4.7	1.1	0.00	0.00	4.6	0.00
4	0.10	0.07	0.01	e0.02	0.42	2.0	4.8	0.00	0.00	0.03	0.00	0.00
5	0.10	0.06	0.01	e0.02	0.61	2.1	4.4	0.01	0.00	0.00	0.00	0.00
6	0.10	0.05	0.02	e0.02	1.5	13	3.7	0.03	0.00	0.00	0.00	0.00
7	0.09	0.03	0.02	e0.02	1.6	17	3.3	0.02	0.00	0.00	0.00	0.24
8	0.09	0.02	0.02	e0.02	1.7	8.5	3.4	0.01	0.00	0.00	0.00	0.00
9	0.19	0.04	0.01	e0.02	1.8	5.5	3.6	0.01	0.00	0.00	0.00	0.00
10	0.16	0.05	0.02	e0.02	2.6	5.4	4.6	0.00	0.00	0.00	0.00	0.00
11	0.13	0.03	0.02	e0.02	9.0	5.0	5.9	0.00	0.00	0.00	25	0.00
12	0.03	0.03	0.02	e0.02	51	4.2	8.4	0.00	0.00	0.00	2.9	0.00
13	0.04	0.09	0.02	e0.02	15	3.5	4.9	0.00	0.00	0.01	0.00	0.00
14	0.07	0.03	0.03	e0.02	4.6	13	2.1	0.00	0.00	0.00	0.03	0.00
15	0.10	0.03	0.04	e0.02	e5.0	18	1.8	0.00	0.00	e0.0	0.00	0.00
16	0.14	0.04	0.03	e0.02	e11.0	17	1.3	0.00	0.00	0.00	0.00	0.00
17	0.03	0.03	0.04	e0.02	12	15	0.96	0.00	0.00	e0.0	0.00	0.00
18	0.03	0.03	0.04	e0.02	38	14	0.81	0.00	0.00	e0.0	0.00	0.00
19	0.04	0.03	0.04	e0.02	234	14	0.60	0.00	0.00	0.00	0.00	0.00
20	0.04	0.04	0.03	e0.02	65	33	0.51	0.00	0.00	0.00	0.00	0.00
21	0.03	0.04	0.04	e0.03	33	33	0.43	0.00	0.00	0.00	0.00	0.00
22	0.04	0.05	0.04	e0.03	22	19	0.28	0.00	0.00	0.00	0.00	0.00
23	0.05	0.12	0.03	e0.03	21	13	0.15	0.00	0.00	0.00	0.00	0.00
24	0.08	0.09	0.03	e0.03	14	8.9	1.9	0.00	0.00	0.00	0.00	0.00
25	0.10	0.06	0.03	e0.03	7.1	7.3	7.8	0.00	0.00	0.00	0.00	0.00
26	0.11	0.06	0.03	e0.03	5.0	15	2.9	0.00	0.00	0.00	0.00	0.00
27	0.05	0.05	0.02	e0.03	3.7	17	3.9	0.00	0.00	e0.0	0.00	0.00
28	0.06	0.04	0.02	e0.04	2.4	19	3.4	0.00	0.00	e0.0	0.00	0.00
29	0.09	0.04	e0.02	e0.04	---	16	2.7	0.00	0.00	e0.0	0.00	0.00
30	0.09	0.03	e0.03	e0.05	---	21	3.5	0.00	0.00	0.00	0.00	0.00
31	0.14	---	e0.03	e0.05	---	12	---	0.00	---	e0.0	0.00	---
TOTAL	2.63	1.58	0.81	0.81	564.29	375.9	98.04	7.18	0.00	0.04	32.53	0.24
MEAN	0.08	0.05	0.03	0.03	20.2	12.1	3.27	0.23	0.00	0.00	1.05	0.01
MAX	0.19	0.13	0.04	0.05	234	33	8.4	3.2	0.00	0.03	25	0.24
MIN	0.03	0.02	0.01	0.02	0.18	1.2	0.15	0.00	0.00	0.00	0.00	0.00
AC-FT	5.2	3.1	1.6	1.6	1,120	746	194	14	0.00	0.08	65	0.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	0.44	0.72	0.71	0.99	5.58	31.5	27.6	2.85	0.29	0.54	1.60	0.58
MAX	3.78	6.24	3.76	18.9	57.1	166	187	33.8	1.33	3.52	14.0	6.04
(WY)	(1999)	(1999)	(1984)	(1993)	(1995)	(1998)	(1973)	(1973)	(1973)	(1982)	(1997)	(1997)
MIN	0.03	0.02	0.02	0.03	0.06	0.11	0.04	0.03	0.00	0.00	0.04	0.01
(WY)	(1994)	(1978)	(1978)	(2005)	(2004)	(1972)	(2002)	(2001)	(2005)	(2005)	(1971)	(2005)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	499.87		1,084.05			
ANNUAL MEAN	1.37		2.97		6.11	
HIGHEST ANNUAL MEAN					22.4	
LOWEST ANNUAL MEAN					0.13	
HIGHEST DAILY MEAN	51	Apr 12	234	Feb 19	1,030	Mar 6, 1995
LOWEST DAILY MEAN	0.00	May 31	0.00	May 4	0.00	Oct 1, 1969
ANNUAL SEVEN-DAY MINIMUM	0.00	May 30	0.00	May 10	0.00	Oct 1, 1969
MAXIMUM PEAK FLOW			386		1,850	
MAXIMUM PEAK STAGE			7.93		9.34	
INSTANTANEOUS LOW FLOW			0.00		0.00	
ANNUAL RUNOFF (AC-FT)	991		2,150		4,420	
10 PERCENT EXCEEDS	0.21		7.2		7.4	
50 PERCENT EXCEEDS	0.05		0.03		0.16	
90 PERCENT EXCEEDS	0.02		0.00		0.04	

a From rating curve extended above 470 ft³/s, maximum gage height, 7.90 ft, Mar. 12, 1985.

b Datum then in use.

c Estimated

09386950 ZUNI RIVER ABOVE BLACK ROCK RESERVOIR, NM

LOCATION.--Lat 35°06'01", long 108°45'06", in NE ¼ sec.17, T.10 N., R.18 W., McKinley County, Hydrologic Unit 15020004, on Zuni Indian Reservation, on left bank downstream from highway bridge on State Highway 36, 0.8 mi upstream from flow line of Black Rock Reservoir, 2.3 mi northeast of Black Rock, and 5.9 mi northeast of Zuni Pueblo.

DRAINAGE AREA.--848 mi², of which 13 mi² is noncontributing.

PERIOD OF RECORD.--October 1969 to current year. Prior to October 1974 published as "above Zuni Reservoir."

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 6,480 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for those estimated, which are poor. Several observations of water temperature were made during the year. No flow for many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.00	0.00	0.02	0.08	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	e0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	e0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	e0.00	0.00	0.00	0.12	0.32	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	e0.00	0.00	0.00	0.01	3.4	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	e0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	e0.00	0.00	0.00	0.15	0.36	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	e0.00	0.00	0.00	0.03	0.27	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	e0.00	0.00	0.00	4.4	0.18	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	5.1	0.11	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	3.0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.83	0.26	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	2.2	0.12	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	2.2	0.10	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.9	0.08	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.82	0.24	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.16	0.19	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.16	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.13	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.10	---	0.00	---	0.00	0.00	---
TOTAL	0.01	0.00	0.00	0.00	21.22	8.52	0.17	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.76	0.27	0.01	0.00	0.00	0.00	0.00	0.00
MAX	0.01	0.00	0.00	0.00	5.1	3.4	0.08	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.02	0.00	0.00	0.00	42	17	0.3	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005				
MEAN	1.29	1.22	1.13	2.53	8.60	35.6	42.3	4.40	0.15	2.29	4.87	2.10																												
MAX	12.6	13.7	5.87	41.9	73.4	263	308	65.3	1.97	25.6	23.6	17.5																												
(WY)	(1984)	(1984)	(1984)	(1993)	(1980)	(1985)	(1973)	(1973)	(1979)	(1977)	(1977)	(1984)																												
MIN	0.00	0.00	0.00	0.00	0.33	0.25	0.01	0.00	0.00	0.00	0.00	0.00																												
(WY)	(1974)	(1971)	(2004)	(2005)	(1972)	(2002)	(2005)	(1997)	(1970)	(1971)	(1986)	(1979)																												

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	62.09		29.92			
ANNUAL MEAN	0.17		0.08		8.85	
HIGHEST ANNUAL MEAN					46.9	
LOWEST ANNUAL MEAN					0.08	
HIGHEST DAILY MEAN	2.7	Mar 7	5.1	Feb 20	1,530	Mar 13, 1985
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 2	0.00	May 22, 1970
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 25	0.00	Oct 2	0.00	May 22, 1970
MAXIMUM PEAK FLOW			7.9		a5,200	
MAXIMUM PEAK STAGE			2.97		6.61	
INSTANTANEOUS LOW FLOW			0.00		0.00	
ANNUAL RUNOFF (AC-FT)	123		59		6,410	
10 PERCENT EXCEEDS	0.71		0.03		7.6	
50 PERCENT EXCEEDS	0.00		0.00		0.52	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

a From rating curve extended above 670 ft³/s, on basis of slope-area measurements at gage heights 4.05 ft, 3.95 ft, and 6.61 ft.
e Estimated

09429980 GILA HOT SPRINGS DITCH NEAR PINOS ALTOS, NM

LOCATION.--Lat 33°11'55", long 108°12'19", in NE ¼ NW ¼ SW ¼ sec.5, T.13 S., R.13 W., Catron County, Hydrologic Unit 15040001, on right bank 0.5 miles below gage heading, 3.5 miles SE of Gila Cliff Dwellings National Monument, and 28 miles North of Pinos Altos, NM.

PERIOD OF RECORD.--March 2005 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 5,860 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.58	---	---	---	---	---	0.00	2.4	1.4	2.6	2.6	2.6
2	0.56	---	---	---	---	---	0.00	2.3	1.0	2.5	1.5	1.4
3	0.51	---	---	---	---	---	1.2	2.2	0.73	2.5	2.4	0.49
4	0.48	---	---	---	---	---	3.1	2.8	1.6	2.7	2.7	0.43
5	0.40	---	---	---	---	---	2.9	3.1	3.1	2.8	2.3	0.59
6	0.29	---	---	---	---	---	3.0	3.2	3.3	3.3	1.7	1.0
7	0.25	---	---	---	---	---	3.0	3.2	3.2	3.3	0.95	0.91
8	0.19	---	---	---	---	---	2.8	3.2	3.1	3.3	0.11	0.79
9	0.19	---	---	---	---	---	2.6	3.1	3.0	3.3	0.03	0.70
10	0.17	---	---	---	---	---	2.5	3.1	2.9	3.3	0.00	e0.65
11	0.21	---	---	---	---	---	2.5	3.1	2.8	3.3	0.32	0.59
12	0.16	---	---	---	---	---	2.6	3.1	2.9	3.2	0.40	0.49
13	0.09	---	---	---	---	---	2.5	3.1	3.2	3.2	0.75	0.37
14	0.06	---	---	---	---	---	2.6	3.0	3.1	0.83	1.2	0.98
15	0.05	---	---	---	---	---	2.7	2.9	3.0	1.4	1.5	1.9
16	0.05	---	---	---	---	---	2.9	3.0	2.8	1.2	1.3	2.2
17	0.56	---	---	---	---	---	3.0	3.0	e2.6	2.6	1.3	2.5
18	1.3	---	---	---	---	---	3.2	3.1	2.5	3.3	1.2	2.4
19	1.3	---	---	---	---	0.00	3.2	3.1	2.3	3.3	1.1	2.3
20	1.3	---	---	---	---	0.00	3.0	3.1	2.9	3.3	1.1	2.3
21	1.3	---	---	---	---	0.00	3.0	3.1	3.3	3.3	1.3	2.1
22	1.3	---	---	---	---	0.00	2.9	3.1	3.3	3.3	1.6	2.4
23	1.3	---	---	---	---	0.00	2.8	3.2	3.2	3.3	2.4	3.3
24	1.3	---	---	---	---	0.00	2.9	3.2	3.3	3.3	2.7	3.2
25	1.3	---	---	---	---	0.00	3.1	3.1	3.3	3.3	2.3	3.1
26	1.3	---	---	---	---	0.00	3.1	2.9	3.2	3.2	2.6	3.0
27	1.5	---	---	---	---	0.00	2.8	2.5	3.2	2.2	1.5	2.9
28	1.6	---	---	---	---	0.00	2.6	2.5	3.1	1.4	2.1	2.3
29	1.6	---	---	---	---	0.00	2.4	2.5	2.9	2.2	2.7	1.0
30	1.6	---	---	---	---	0.00	2.5	2.3	2.8	2.9	2.8	1.0
31	1.5	---	---	---	---	0.00	---	1.9	---	2.8	2.8	---
TOTAL	24.30	---	---	---	---	---	77.40	89.4	83.03	86.43	49.26	49.89
MEAN	0.78	---	---	---	---	---	2.58	2.88	2.77	2.79	1.59	1.66
MAX	1.6	---	---	---	---	---	3.2	3.2	3.3	3.3	2.8	3.3
MIN	0.05	---	---	---	---	---	0.00	1.9	0.73	0.83	0.00	0.37
AC-FT	48	---	---	---	---	---	154	177	165	171	98	99

e Estimated

09430500 GILA RIVER NEAR GILA, NM

LOCATION.--Lat 33°03'39", long 108°32'19", in NE 1/4 NW 1/4 sec.30, T.14 S., R.16 W., Grant County, Hydrologic Unit 15040001, on left bank at Hooker damsite, 1.6 mi upstream from Mogollon Creek, 7.0 mi northeast of Gila, and at mile 572.5.

DRAINAGE AREA.--1,864 mi².

PERIOD OF RECORD.--April to December 1914, December 1927 to current year. Monthly discharge only, December 1927 to September 1930, published in WSP 1313.

REVISED RECORDS.--WSP 1283: drainage area. WSP 1313: 1944(M), 1949(M). WDR NM-78-1: 1977.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,654.8 ft above NGVD of 1929, from river-profile survey. Prior to Dec. 31, 1928, at site 5 mi upstream at different datum. Dec. 31, 1928, to Jan. 7, 1942, at site 200 ft upstream at datum 1.00 ft higher. Prior to Feb. 28, 1994, at datum 1.00 ft higher.

REMARKS.--Records good. Diversions for irrigation of about 500 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Other major floods occurred in Nov. 1905, Dec. 1906, and Jan. 1916.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	125	99	632	393	825	245	221	142	42	66	47
2	75	119	90	487	354	718	235	209	129	40	56	50
3	70	111	87	593	317	631	227	202	121	38	60	58
4	66	103	89	3,950	285	565	226	197	115	37	52	76
5	61	97	100	4,380	270	518	223	193	107	35	61	111
6	56	92	112	1,920	267	524	224	192	101	34	58	112
7	53	88	122	1,210	283	617	232	201	96	33	56	138
8	50	85	114	880	291	657	234	211	90	34	55	127
9	48	83	110	735	284	660	250	204	84	34	73	117
10	47	81	109	655	311	602	275	193	81	34	76	105
11	57	80	110	606	1,740	559	282	187	78	34	79	93
12	71	79	112	582	15,500	539	258	188	76	35	78	83
13	68	81	113	548	7,790	532	239	191	73	35	80	76
14	63	86	115	499	3,230	522	227	184	70	37	88	70
15	59	89	117	460	1,890	515	231	177	67	39	109	63
16	56	91	118	425	1,370	487	251	174	65	39	107	59
17	54	91	118	395	1,070	445	284	175	62	47	89	56
18	51	92	118	371	1,160	415	308	181	58	49	76	49
19	51	95	116	349	2,520	378	324	184	54	44	70	48
20	49	96	115	329	3,650	351	319	177	51	41	64	47
21	48	96	115	315	3,800	332	300	174	53	41	60	47
22	54	98	117	303	2,240	315	276	180	52	40	86	45
23	69	118	118	293	1,700	297	256	183	50	38	101	43
24	83	124	116	283	1,440	277	264	182	50	45	79	41
25	85	121	112	276	1,320	266	309	175	50	48	69	39
26	87	121	110	282	1,250	257	339	164	49	46	66	37
27	218	117	114	374	1,100	249	308	156	48	48	68	36
28	173	114	119	673	956	235	270	165	47	53	65	36
29	165	110	126	607	---	225	243	213	45	51	61	38
30	148	107	388	510	---	219	230	179	43	55	55	40
31	136	---	764	447	---	221	---	159	---	111	50	---
TOTAL	2,445	2,990	4,383	24,369	56,781	13,953	7,889	5,771	2,207	1,337	2,213	1,987
MEAN	78.9	99.7	141	786	2,028	450	263	186	73.6	43.1	71.4	66.2
MAX	218	125	764	4,380	15,500	825	339	221	142	111	109	138
MIN	47	79	87	276	267	219	223	156	43	33	50	36
AC-FT	4,850	5,930	8,690	48,340	112,600	27,680	15,650	11,450	4,380	2,650	4,390	3,940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

MEAN	117	102	162	176	250	313	218	138	58.4	63.2	139	146
MAX	994	726	1,632	1,810	2,028	1,049	903	716	249	225	901	960
(WY)	(1973)	(1995)	(1979)	(1993)	(2005)	(1985)	(1973)	(1973)	(1992)	(1986)	(1988)	(1988)
MIN	29.1	47.8	50.1	50.0	50.9	53.9	49.2	31.8	19.2	22.3	37.5	24.0
(WY)	(1957)	(1951)	(1954)	(1954)	(1954)	(1971)	(1971)	(2000)	(2002)	(1971)	(2000)	(1956)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005	
ANNUAL TOTAL	42,698		126,325			
ANNUAL MEAN	117		346		157	
HIGHEST ANNUAL MEAN					477	
LOWEST ANNUAL MEAN					47.8	
HIGHEST DAILY MEAN	764	Dec 31	15,500	Feb 12	23,400	Dec 28, 1984
LOWEST DAILY MEAN	19	Jun 20	33	Jul 7	12	Jun 24, 2002
ANNUAL SEVEN-DAY MINIMUM	20	Jun 17	34	Jul 5	14	Jun 21, 2002
MAXIMUM PEAK FLOW			19,900	Feb 12	a35,200	Dec 28, 1984
MAXIMUM PEAK STAGE			12.28	Feb 12	b13.00	Dec 28, 1984
INSTANTANEOUS LOW FLOW			33	Jul 12	12	Jun 24, 2002
ANNUAL RUNOFF (AC-FT)	84,690		250,600		113,800	
10 PERCENT EXCEEDS	287		604		311	
50 PERCENT EXCEEDS	73		115		73	
90 PERCENT EXCEEDS	27		47		39	

a From rating curve extended above 7,000 ft³/s, on basis of slope-area measurement at gage height 12.5 ft, maximum gage height 17.2 ft, from floodmarks Sept. 29, 1941.

b From floodmarks.

09430600 MOGOLLON CREEK NEAR CLIFF, NM

LOCATION.--Lat 33°10'00", long 108°38'59", in SE ¼ SE ¼ sec.13, T.13 S., R.18 W., Grant County, Hydrologic Unit 15040001, on right bank 0.3 mi downstream from Rain Creek, 0.8 mi downstream from Gila Wilderness boundary, 12 mi upstream from mouth, and 14 mi north of Cliff.

DRAINAGE AREA.--69 mi².

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,440 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	12	67	59	111	35	34	8.0	e0.00	0.52	0.92
2	9.5	10	11	52	51	99	36	36	7.0	e0.00	0.12	0.89
3	7.7	9.1	9.6	216	45	91	44	37	6.3	e0.00	0.47	17
4	6.5	8.2	9.3	804	40	83	48	36	5.7	e0.00	5.0	16
5	5.6	7.3	12	332	41	77	55	39	5.2	e0.00	2.6	33
6	4.9	6.7	17	156	65	92	53	46	4.6	e0.00	2.0	44
7	4.5	6.2	16	96	76	100	59	41	4.2	e0.00	3.7	30
8	4.0	6.0	15	69	66	106	75	33	3.7	e0.00	9.8	38
9	3.6	5.9	17	56	66	112	84	31	3.3	e0.00	6.1	25
10	3.0	5.6	24	50	75	121	64	34	2.8	e0.00	4.1	17
11	4.4	5.3	28	51	e700	140	47	37	2.4	e0.00	2.7	12
12	4.8	4.9	31	49	e6,600	153	41	32	2.2	e0.00	2.7	9.3
13	4.0	6.6	33	43	e1,100	155	47	27	2.1	e0.00	3.2	7.2
14	3.6	6.3	30	36	e500	133	65	26	1.7	e0.00	19	5.5
15	3.3	6.7	25	32	e400	111	85	29	1.5	e0.00	18	4.4
16	3.0	11	21	29	e200	87	96	31	1.1	e0.00	9.8	3.6
17	2.7	12	18	28	173	72	102	32	0.74	e0.00	4.7	2.7
18	3.0	10	16	28	373	63	99	28	0.56	e0.00	3.1	2.0
19	2.8	9.7	14	27	629	56	83	27	0.44	e0.00	2.0	1.8
20	2.6	9.5	12	27	605	52	67	29	0.32	e0.00	1.7	2.2
21	2.6	9.3	12	28	441	46	57	29	0.20	e0.00	21	1.5
22	6.1	12	11	27	302	41	54	26	0.20	e0.00	22	1.2
23	5.8	24	11	25	264	39	55	22	0.00	e0.00	8.8	1.1
24	5.1	22	14	27	220	39	89	18	0.01	e0.00	4.7	1.1
25	4.7	24	16	28	193	38	75	14	0.00	e0.00	18	0.96
26	4.9	25	11	37	172	36	49	11	0.00	e0.00	12	0.70
27	21	21	8.3	121	148	33	39	11	0.00	e0.00	6.5	0.40
28	31	18	7.9	137	123	34	38	21	0.00	2.1	3.5	0.25
29	22	16	79	122	---	39	39	22	e0.00	1.0	2.1	1.1
30	17	13	314	92	---	41	35	15	e0.00	0.29	e0.65	0.89
31	14	---	129	72	---	39	---	10	---	1.0	1.2	---
TOTAL	230.7	343.3	984.1	2,964	13,727	2,439	1,815	864	64.27	4.39	201.76	281.71
MEAN	7.44	11.4	31.7	95.6	490	78.7	60.5	27.9	2.14	0.14	6.51	9.39
MAX	31	25	314	804	6,600	155	102	46	8.0	2.1	22	44
MIN	2.6	4.9	7.9	25	40	33	35	10	0.00	0.00	0.12	0.25
AC-FT	458	681	1,950	5,880	27,230	4,840	3,600	1,710	127	8.7	400	559

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	22.9	18.0	40.0	34.3	63.6	69.8	52.7	25.0	3.09	6.93	16.1	15.3
MAX	237	166	410	298	490	272	182	160	24.1	57.0	83.7	120
(WY)	(1973)	(1979)	(1979)	(1993)	(2005)	(1978)	(1973)	(1992)	(1992)	(1996)	(1996)	(1975)
MIN	0.14	1.07	1.03	1.14	0.94	1.33	0.90	0.00	0.00	0.00	1.02	0.34
(WY)	(1980)	(1971)	(1974)	(1971)	(2000)	(1971)	(1971)	(2002)	(1971)	(1980)	(1975)	(1987)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1967 - 2005

ANNUAL TOTAL	9,643.26	23,919.23		
ANNUAL MEAN	26.3	65.5	30.7	
HIGHEST ANNUAL MEAN			97.0	1979
LOWEST ANNUAL MEAN			1.55	2000
HIGHEST DAILY MEAN	314	Dec 30	6,600	Feb 12, 2005
LOWEST DAILY MEAN	0.00	Jun 14	0.00	Jun 17, 1967
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 14	0.00	Jun 23, 1967
MAXIMUM PEAK FLOW			6,600	Feb 12, 1967
MAXIMUM PEAK STAGE			8.24	Feb 11, 1967
INSTANTANEOUS LOW FLOW			0.00	Jun 22, 1967
ANNUAL RUNOFF (AC-FT)	19,130	47,440	22,240	
10 PERCENT EXCEEDS	89	104	80	
50 PERCENT EXCEEDS	8.4	16	6.2	
90 PERCENT EXCEEDS	0.00	0.17	0.27	

e Estimated

09430815 UPPER GILA DITCH NEAR GILA, NM

LOCATION.--Lat 33°01'19", long 108°32'32", in SE ¼ SE ¼ SE ¼ sec.12, T.15 S., R.17 W., Grant County, Hydrologic Unit 15040002, on left bank 2,000 ft downstream from ditch heading, 5.5 mi northeast of Cliff, and 5.0 mi from Gila.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	28	---	---	---	---	0.00	13	13	16	17	15
2	24	25	---	---	---	---	0.00	12	11	16	15	15
3	21	24	---	---	---	---	7.3	12	9.9	17	16	16
4	21	---	---	---	---	---	18	16	9.2	18	15	17
5	24	---	---	---	---	---	18	19	8.5	15	15	19
6	24	---	---	---	---	---	19	20	19	13	15	19
7	24	---	---	---	---	---	19	21	24	14	15	15
8	25	---	---	---	---	---	21	22	23	15	15	5.6
9	25	---	---	---	---	---	24	20	23	15	17	5.5
10	25	---	---	---	---	---	23	19	22	15	17	5.1
11	26	---	---	---	---	---	22	19	22	15	17	4.8
12	28	---	---	---	---	---	19	19	22	15	17	9.3
13	28	---	---	---	---	---	17	19	22	15	17	12
14	25	---	---	---	---	---	17	17	22	15	17	11
15	25	---	---	---	---	---	19	16	21	16	9.9	13
16	25	---	---	---	---	---	22	16	21	16	9.7	18
17	24	---	---	---	---	---	25	16	20	16	9.0	17
18	24	---	---	---	---	0.00	27	17	20	16	8.2	17
19	24	---	---	---	---	0.00	27	17	20	16	7.8	16
20	25	---	---	---	---	0.00	26	16	19	15	8.5	16
21	25	---	---	---	---	0.00	23	16	19	14	11	15
22	26	---	---	---	---	0.00	20	16	20	12	14	15
23	26	---	---	---	---	0.00	19	17	19	11	16	14
24	27	---	---	---	---	0.00	21	16	19	11	15	13
25	27	---	---	---	---	0.00	25	15	19	10	14	14
26	28	---	---	---	---	0.00	26	14	18	11	14	16
27	31	---	---	---	---	0.00	22	14	18	16	17	16
28	30	---	---	---	---	0.00	18	15	18	16	17	16
29	30	---	---	---	---	0.00	16	21	18	16	16	17
30	29	---	---	---	---	0.00	15	17	18	16	16	17
31	29	---	---	---	---	0.00	---	15	---	19	15	---
TOTAL	799	---	---	---	---	---	575.30	522	557.6	461	443.1	419.3
MEAN	25.8	---	---	---	---	---	19.2	16.8	18.6	14.9	14.3	14.0
MAX	31	---	---	---	---	---	27	22	24	19	17	19
MIN	21	---	---	---	---	---	0.00	12	8.5	10	7.8	4.8
AC-FT	1,580	---	---	---	---	---	1,140	1,040	1,110	914	879	832

09430820 FORT WEST DITCH NEAR GILA, NM

LOCATION.--Lat 33°00'56", long 108°32'36", in NE 1/4 SE 1/4 NE 1/4, sec.12, T.15 S., R.17 W., Grant County, Hydrologic Unit 15040002, on left bank 4.5 mi east of Gila, and 5.8 mi southeast of Cliff.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 4,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	1.1	---	---	---	---	0.00	24	17	15	28	20
2	16	---	---	---	---	---	0.00	23	17	15	24	20
3	16	---	---	---	---	---	6.5	23	17	18	25	21
4	15	---	---	---	---	---	22	22	17	11	22	23
5	15	---	---	---	---	---	26	22	20	11	23	14
6	15	---	---	---	---	---	31	22	26	11	21	4.8
7	15	---	---	---	---	---	30	23	19	10	20	4.8
8	16	---	---	---	---	---	26	23	18	9.5	17	4.7
9	15	---	---	---	---	---	26	23	17	10	18	4.8
10	14	---	---	---	---	---	26	22	16	9.4	18	4.8
11	15	---	---	---	---	---	26	21	16	10	18	4.8
12	15	---	---	---	---	---	26	21	16	10	19	4.7
13	15	---	---	---	---	---	26	21	16	11	18	8.9
14	15	---	---	---	---	---	24	21	16	12	17	22
15	15	---	---	---	---	---	24	24	15	16	5.1	37
16	15	---	---	---	---	---	24	31	15	13	4.6	27
17	14	---	---	---	---	---	25	32	21	16	3.1	20
18	14	---	---	---	---	0.00	25	20	14	19	2.3	21
19	13	---	---	---	---	0.00	25	22	14	18	1.8	24
20	13	---	---	---	---	0.00	25	20	14	16	1.3	23
21	14	---	---	---	---	0.00	24	20	14	16	0.79	23
22	12	---	---	---	---	0.00	24	21	13	16	8.0	23
23	12	---	---	---	---	0.00	24	21	14	15	14	22
24	13	---	---	---	---	0.00	24	21	14	19	14	22
25	13	---	---	---	---	0.00	24	20	19	22	19	21
26	12	---	---	---	---	0.00	25	20	17	21	22	20
27	1.6	---	---	---	---	0.00	24	20	15	20	24	18
28	1.4	---	---	---	---	0.00	24	20	15	23	24	18
29	1.2	---	---	---	---	0.00	24	18	14	22	23	19
30	1.1	---	---	---	---	0.00	30	18	14	22	22	20
31	1.1	---	---	---	---	0.00	---	17	---	34	25	---
TOTAL	379.4	---	---	---	---	---	690.50	676	490	490.9	501.99	520.3
MEAN	12.2	---	---	---	---	---	23.0	21.8	16.3	15.8	16.2	17.3
MAX	16	---	---	---	---	---	31	32	26	34	28	37
MIN	1.1	---	---	---	---	---	0.00	17	13	9.4	0.79	4.7
AC-FT	753	---	---	---	---	---	1,370	1,340	972	974	996	1,030

09430825 GILA FARMS DITCH NEAR GILA, NM

LOCATION.--Lat 32°59'00", long 108°34'15", in SW ¼ NE ¼ NW ¼, sec. 23, T.15 S., R.17 W., Grant County, Hydrologic Unit 15040002, on left bank 0.4 mi from State Highway 153 at Dominguez farms, 1.2 mi from Gila, and 2.5 mi from Cliff.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 4,550 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	6.6	---	---	---	---	4.5	12	3.8	8.4	3.3	3.7
2	14	6.5	---	---	---	---	3.6	10	2.0	8.0	4.2	3.4
3	14	---	---	---	---	---	2.5	9.3	1.4	7.9	6.8	5.1
4	9.5	---	---	---	---	---	3.7	7.9	1.0	8.3	4.1	9.1
5	4.3	---	---	---	---	---	11	7.4	0.73	9.6	0.00	15
6	4.0	---	---	---	---	---	13	7.6	0.25	11	1.4	13
7	3.8	---	---	---	---	---	13	9.0	0.03	9.7	7.0	16
8	3.8	---	---	---	---	---	14	9.7	9.5	9.0	7.5	15
9	3.6	---	---	---	---	---	15	8.7	16	8.2	9.6	15
10	6.0	---	---	---	---	---	16	7.1	16	5.6	12	14
11	4.5	---	---	---	---	---	16	6.9	15	2.7	12	13
12	9.7	---	---	---	---	---	14	8.4	7.0	1.4	7.9	12
13	8.4	---	---	---	---	---	13	7.5	12	3.9	0.00	11
14	5.0	---	---	---	---	---	12	6.4	15	7.0	0.00	9.2
15	3.8	---	---	---	---	---	13	5.5	15	7.2	0.00	7.6
16	3.5	---	---	---	---	---	13	5.2	14	6.7	0.00	5.1
17	3.3	---	---	---	---	---	3.7	5.5	14	5.4	0.00	4.2
18	6.5	---	---	---	---	0.00	2.1	6.0	9.5	4.3	5.5	3.4
19	9.1	---	---	---	---	0.00	2.1	6.3	2.6	2.5	12	2.6
20	3.9	---	---	---	---	0.00	1.9	5.9	0.54	0.95	11	2.6
21	3.1	---	---	---	---	0.00	1.2	5.5	4.4	5.1	10	2.6
22	3.1	---	---	---	---	0.00	8.2	6.0	12	7.1	10	5.9
23	2.9	---	---	---	---	1.7	15	6.5	12	6.8	11	7.9
24	3.2	---	---	---	---	9.2	16	6.5	11	5.9	11	6.1
25	6.4	---	---	---	---	9.9	19	5.8	8.5	6.2	9.1	5.4
26	8.8	---	---	---	---	8.9	21	4.7	1.9	7.3	7.0	5.4
27	9.5	---	---	---	---	7.8	18	4.4	7.1	7.9	6.4	5.4
28	8.0	---	---	---	---	6.3	16	5.8	9.1	10	6.0	5.6
29	7.5	---	---	---	---	5.2	14	12	10	6.6	5.8	5.9
30	6.9	---	---	---	---	5.1	13	8.8	9.4	1.1	5.0	5.7
31	6.7	---	---	---	---	5.2	---	6.2	---	0.57	4.1	---
TOTAL	200.8	---	---	---	---	---	328.5	224.5	240.75	192.32	189.70	235.9
MEAN	6.48	---	---	---	---	---	10.9	7.24	8.03	6.20	6.12	7.86
MAX	14	---	---	---	---	---	21	12	16	11	12	16
MIN	2.9	---	---	---	---	---	1.2	4.4	0.03	0.57	0.00	2.6
AC-FT	398	---	---	---	---	---	652	445	478	381	376	468

09431500 GILA RIVER NEAR REDROCK, NM

LOCATION.--Lat 32°43'37", long 108°40'32", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.18 S., R.18 W., Grant County, Hydrologic Unit 15040002, on left bank 0.2 mi from Copper Canyon, 0.2 mi upstream from lower end of box canyon, 4.7 mi northeast of Redrock, 14 mi downstream from Mangas Creek, and at mile 539.2.

DRAINAGE AREA.--2,829 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1904 to February 1905, May 1905 to December 1906, January to December 1907, July 1908 to December 1910, January 1911 to January 1912, and May to June 1912, gage heights only. August 1912 to September 1955, October 1962 to current year. Monthly or annual discharge only for some periods, published in WSP 1313. Published as "near Cliff" 1904-07.

REVISED RECORDS.--WSP 1213: 1906, 1911-15, 1931, 1936-37, 1939, 1941, 1944, 1945(P), 1946(M), 1947. WSP 1283: drainage area. WSP 1926: 1955. WDR NM-78-1: 1977.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,090 ft above NGVD of 1929, from plane table survey. Prior to Dec. 31, 1907, nonrecording gage at site 13.5 mi upstream at different datum. May 14, 1908, to July 16, 1909, nonrecording gage at site 0.2 mi downstream at different datum. June 13, 1980, to Feb. 23, 1983, at site 1,300 ft downstream at same datum.

REMARKS.--Records fair, except for those estimated, which are poor. Diversions for irrigation of about 5,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	148	121	1,270	432	1,270	309	280	179	36	56	41
2	71	143	113	969	375	1,100	298	267	160	34	42	50
3	71	133	106	844	321	971	293	254	150	e35	76	56
4	65	126	107	2,130	272	862	287	248	138	e39	66	54
5	58	120	109	5,990	260	792	269	241	131	e38	61	101
6	60	114	115	2,680	254	797	269	240	125	e37	59	140
7	51	111	122	1,630	319	906	274	243	114	e37	59	255
8	43	106	124	1,170	368	976	282	248	108	38	56	160
9	40	101	120	806	347	980	290	247	97	e40	81	126
10	e58	99	117	610	329	920	309	239	165	e39	68	119
11	e74	98	117	540	1,100	864	319	234	87	e40	69	108
12	72	92	117	517	12,600	832	296	226	83	e39	76	96
13	71	91	116	499	8,120	831	282	226	83	e41	140	85
14	77	99	115	442	3,770	819	275	221	76	42	157	80
15	75	106	115	371	3,180	788	280	218	72	e43	230	71
16	76	105	116	321	2,350	751	295	213	69	42	127	62
17	76	106	115	266	1,810	691	338	211	67	26	115	51
18	74	106	114	215	1,830	624	382	215	65	30	92	46
19	69	107	113	185	3,740	575	403	212	64	48	71	28
20	58	104	112	178	4,940	536	401	206	66	92	71	27
21	58	108	110	166	5,390	505	373	190	60	114	98	23
22	58	113	108	155	3,800	471	350	172	56	87	60	35
23	65	122	108	148	3,250	447	318	168	52	82	91	37
24	78	128	108	144	2,600	416	321	165	49	81	81	36
25	76	129	104	136	2,610	393	366	166	47	81	70	35
26	72	130	100	150	2,350	379	398	164	47	80	61	43
27	438	128	100	252	1,790	365	370	172	47	e76	53	89
28	190	127	101	983	1,500	351	329	190	45	e74	49	93
29	187	126	105	1,110	---	339	304	243	43	e76	48	105
30	170	124	303	742	---	328	289	244	39	46	47	101
31	161	---	953	539	---	320	---	197	---	66	45	---
TOTAL	2,865	3,450	4,504	26,158	70,007	21,199	9,569	6,760	2,584	1,679	2,475	2,353
MEAN	92.4	115	145	844	2,500	684	319	218	86.1	54.2	79.8	78.4
MAX	438	148	953	5,990	12,600	1,270	403	280	179	114	230	255
MIN	40	91	100	136	254	320	269	164	39	26	42	23
AC-FT	5,680	6,840	8,930	51,880	138,900	42,050	18,980	13,410	5,130	3,330	4,910	4,670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	194	161	307	308	429	472	302	182	58.6	72.9	200	220
MAX	1,768	912	2,200	2,987	2,500	1,438	1,155	1,068	278	287	1,182	1,315
(WY)	(1973)	(1995)	(1979)	(1993)	(2005)	(1978)	(1973)	(1992)	(1992)	(1986)	(1988)	(1975)
MIN	27.6	55.1	60.0	64.9	53.8	40.0	41.2	25.1	12.0	15.6	21.6	22.2
(WY)	(1974)	(1974)	(1981)	(1971)	(1971)	(1971)	(1971)	(1996)	(1974)	(1978)	(2000)	(1978)

09431500 GILA RIVER NEAR REDROCK, NM—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	52,109		153,603			
ANNUAL MEAN	142		421		241	
HIGHEST ANNUAL MEAN					664	1993
LOWEST ANNUAL MEAN					57.0	2000
HIGHEST DAILY MEAN	953	Dec 31	12,600	Feb 12	34,000	Dec 19, 1978
LOWEST DAILY MEAN	11	Jul 20	23	Sep 21	3.6	Jul 20, 1978
ANNUAL SEVEN-DAY MINIMUM	14	Jul 2	32	Sep 19	4.9	Jul 16, 1971
MAXIMUM PEAK FLOW			22,900	Feb 12	48,800	Dec 19, 1978
MAXIMUM PEAK STAGE			18.48	Feb 12	29.80	Dec 19, 1978
INSTANTANEOUS LOW FLOW			22	Jul 17	2.2	Aug 5, 1947
ANNUAL RUNOFF (AC-FT)	103,400		304,700		174,900	
10 PERCENT EXCEEDS	349		863		517	
50 PERCENT EXCEEDS	90		125		95	
90 PERCENT EXCEEDS	32		47		33	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968-97, 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
APR 12...	1520	308	4.7	663	8.8	103	8.3	263	28.0	16.0	79	23.6	4.97
MAY 18...	0930	215	1.9	657	8.6	104	8.3	268	24.0	17.0	90	26.7	5.72

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
APR 12...	1.37	.9	19.1	87	104	8.50	1.4	32.6	22.0	166	.12	.22	<.04
MAY 18...	1.69	1	24.2	107	127	9.83	1.7	34.3	22.7	190	.11	.21	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
APR 12...	<.100	.23	<.008	.04	.051	.086	5	<.20	E1	10	<.06	24	<.04
MAY 18...	E.053	.12	<.008	.04	.048	.065	3	<.20	E1	11	<.06	35	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
APR 12...	<.8	.090	.8	<6	<.08	2.6	.01	1.5	1.27	<3	<3	<.2	E.4
MAY 18...	<.8	.112	1.0	E4	<.08	2.2	<.01	1.9	.28	<3	<3	<.2	<.6

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Suspended sedi-ment concentration mg/L (80154)
APR 12...	.82	73	31
MAY 18...	.90	74	13

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

09431503 GRANDPA HARPER DITCH NEAR REDROCK, NM

LOCATION.--Lat 32°43'36", long 108°41'17", in SE ¼ NW ¼ NW ¼ sec.22, T.18 S., R.18 W., Grant County, Hydrologic Unit 15040002, on left bank 2 mi northeast of Redrock, 24 mi north of Lordsburg, and 27 mi west of Silver City.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder with Parshall flume. Elevation of gage is 4,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. No gage height record collected from March 15 to April 22, due to gage being out from major February flood.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.00	---	---	---	---	---	0.52	0.00	8.0	0.00	0.00
2	0.27	---	---	---	---	---	---	0.44	0.00	7.7	2.0	0.00
3	0.48	---	---	---	---	---	---	0.43	0.00	7.4	5.9	3.7
4	0.35	---	---	---	---	---	---	0.43	5.3	7.3	4.0	7.6
5	0.32	---	---	---	---	---	---	0.51	9.5	7.0	5.9	14
6	0.41	---	---	---	---	---	---	0.52	9.0	8.6	7.8	16
7	0.11	---	---	---	---	---	---	0.52	7.8	10	7.8	8.3
8	0.09	---	---	---	---	---	---	0.52	7.3	6.0	5.3	0.64
9	0.43	---	---	---	---	---	---	0.52	6.7	0.53	0.55	0.13
10	1.5	---	---	---	---	---	---	4.2	7.3	0.10	0.68	0.07
11	1.5	---	---	---	---	---	---	7.3	11	0.02	0.71	0.07
12	1.5	---	---	---	---	---	---	7.0	13	0.01	0.72	0.05
13	1.1	---	---	---	---	---	---	7.2	13	0.86	0.82	5.5
14	0.91	---	---	---	---	---	---	7.0	12	1.6	0.34	9.5
15	0.79	---	---	---	---	---	---	2.9	4.3	1.4	0.20	7.5
16	0.71	---	---	---	---	---	---	0.80	0.06	1.3	0.00	5.4
17	0.57	---	---	---	---	---	---	0.75	0.00	0.33	0.00	0.59
18	0.52	---	---	---	---	---	---	0.72	0.00	0.00	0.00	0.28
19	0.52	---	---	---	---	---	---	0.71	0.00	0.00	0.00	0.26
20	0.44	---	---	---	---	---	---	0.79	0.00	0.00	0.00	0.32
21	0.43	---	---	---	---	---	---	0.72	0.00	0.00	0.00	0.35
22	0.43	---	---	---	---	---	---	0.70	0.00	0.00	0.00	0.35
23	0.29	---	---	---	---	---	---	8.2	0.66	0.00	0.16	0.38
24	0.27	---	---	---	---	---	---	1.6	0.61	0.00	0.05	0.33
25	0.25	---	---	---	---	---	---	1.4	0.71	0.00	0.01	0.30
26	0.14	---	---	---	---	---	---	1.3	0.71	0.00	0.03	1.3
27	0.13	---	---	---	---	---	---	1.1	0.72	0.00	0.10	5.4
28	0.07	---	---	---	---	---	---	0.93	0.37	0.00	0.00	5.5
29	0.00	---	---	---	---	---	---	0.80	0.28	2.5	0.00	7.6
30	0.01	---	---	---	---	---	---	0.66	0.02	8.4	0.00	10
31	0.00	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	14.68	---	---	---	---	---	---	49.28	117.16	68.50	42.72	111.42
MEAN	0.47	---	---	---	---	---	---	1.59	3.91	2.21	1.38	3.71
MAX	1.5	---	---	---	---	---	---	7.3	13	10	7.8	16
MIN	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	29	---	---	---	---	---	---	98	232	136	85	221

09432000 GILA RIVER BELOW BLUE CREEK, NEAR VIRDEN, NM

LOCATION.--Lat 32°38'53", long 108°50'43", in SE 1/4 SW 1/4 sec.18, T.19 S., R.19 W., Grant County, Hydrologic Unit 15040002, on left bank at head of canyon, 1.4 mi downstream from Blue Creek, 10 mi east of Virden, and 16 mi upstream from New Mexico-Arizona State line.

DRAINAGE AREA.--3,203 mi², excluding Animas River Basin.

PERIOD OF RECORD.--May to November 1914, March to September 1915, July 1927 to current year. July 1927 to May 1931, monthly discharge only, published in WSP 1313, computed as sum of flow at Virden Bridge, 9 mi downstream, and in Sunset Canal. Published as "Gila River near Duncan, AZ," 1914-15, and as "Gila River at Fuller's Ranch, near Duncan, AZ," 1931-38.

REVISED RECORDS.--WSP 1283: drainage area. WSP 1313: 1929, 1931-32(M).

GAGE.--Water-stage recorder. Elevation of gage is 3,875 ft above sea level, from river-profile map. May 11, 1914, to Sept. 30, 1915, at site 6 mi downstream, 1,000 ft upstream from intake of Sunset Canal. June 1 to July 7, 1931, nonrecording gage at present site and datum. Since Apr. 18, 1980, supplementary gage on left bank 800 ft downstream at same datum. Since June 1980, crest-stage gages at supplementary gage site. Since Nov. 1990, water-stage recorder at supplementary gage.

REMARKS.--Records fair except for those estimated, which are poor. Station is above all Duncan Valley diversions. Diversions for irrigation of about 6,200 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 58,700 ft³/s Dec. 19, 1978, gage height, 29.00 ft, from rating curve extended above 38,000 ft³/s on basis of slope-area measurement of peak flow; minimum, 1 ft³/s July 14, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,700 ft³/s, Feb. 12, gage height, 21.14 ft; minimum daily discharge, 19 ft³/s, July 8 and 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	133	123	536	591	1,240	336	294	183	31	69	43
2	81	129	120	502	514	1,090	321	282	158	32	57	45
3	80	124	116	404	446	985	312	262	141	27	46	50
4	77	120	115	921	393	879	300	251	130	24	47	56
5	64	116	117	8,110	368	794	279	242	e112	23	54	68
6	63	113	120	6,440	348	761	270	236	e100	21	54	178
7	60	111	122	2,680	352	831	271	236	e93	20	56	204
8	52	109	125	1,580	378	945	275	243	95	19	53	199
9	45	105	123	1,280	371	966	291	246	89	20	64	116
10	39	106	121	1,120	354	944	311	234	82	21	71	112
11	37	106	120	958	1,070	e897	333	223	79	20	73	108
12	66	105	120	813	17,600	e881	321	217	74	19	75	104
13	77	103	119	692	21,800	e872	305	215	72	20	123	95
14	86	106	119	591	9,940	e864	285	211	72	20	165	87
15	86	111	119	502	4,460	835	282	207	69	21	241	82
16	86	111	119	442	2,450	807	296	202	68	21	158	75
17	86	110	119	413	1,740	758	325	195	65	24	140	63
18	85	110	119	387	1,520	689	360	197	61	26	127	54
19	83	111	119	367	2,400	630	382	199	57	23	97	48
20	71	110	118	358	4,980	576	382	191	56	23	106	39
21	65	111	117	350	7,500	538	380	177	56	24	185	35
22	66	116	115	341	4,330	504	367	163	52	24	96	33
23	68	120	115	335	2,650	483	338	159	48	23	92	35
24	85	123	115	331	2,100	431	338	156	46	25	94	35
25	88	125	113	325	2,040	413	356	153	46	25	86	33
26	94	126	111	333	1,900	399	391	154	40	24	75	32
27	226	126	110	382	1,660	385	384	148	38	38	63	29
28	164	125	110	631	1,440	371	357	181	39	37	55	27
29	155	123	111	931	---	351	326	225	36	31	51	27
30	147	123	128	825	---	341	308	267	35	35	46	27
31	141	---	300	680	---	347	---	212	---	48	45	---
TOTAL	2,708	3,467	3,838	34,560	95,695	21,807	9,782	6,578	2,292	789	2,764	2,139
MEAN	87.4	116	124	1,115	3,418	703	326	212	76.4	25.5	89.2	71.3
MAX	226	133	300	8,110	21,800	1,240	391	294	183	48	241	204
MIN	37	103	110	325	348	341	270	148	35	19	45	27
AC-FT	5,370	6,880	7,610	68,550	189,800	43,250	19,400	13,050	4,550	1,560	5,480	4,240
CFSM	0.03	0.04	0.04	0.35	1.07	0.22	0.10	0.07	0.02	0.01	0.03	0.02
IN.	0.03	0.04	0.04	0.40	1.11	0.25	0.11	0.08	0.03	0.01	0.03	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2005, BY WATER YEAR (WY)

MEAN	158	137	240	310	385	423	272	148	49.6	72.8	197	197
MAX	1,667	1,040	2,485	4,158	3,418	1,464	1,138	977	298	366	1,164	1,507
(WY)	(1973)	(1995)	(1979)	(1993)	(2005)	(1973)	(1973)	(1992)	(1992)	(1986)	(1988)	(1975)
MIN	5.39	34.9	47.6	64.0	61.1	45.1	27.7	13.5	4.43	4.85	9.35	4.89
(WY)	(1957)	(1957)	(1957)	(1981)	(1971)	(1971)	(1955)	(1956)	(1956)	(1951)	(1951)	(1953)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1932 - 2005

ANNUAL TOTAL	62,014.9	186,419	
ANNUAL MEAN	169	511	211
HIGHEST ANNUAL MEAN			746
LOWEST ANNUAL MEAN			43.1
HIGHEST DAILY MEAN	1,910	Sep 25	21,800
LOWEST DAILY MEAN	8.2	Jul 8	19
ANNUAL SEVEN-DAY MINIMUM	8.6	Jul 5	20
ANNUAL RUNOFF (AC-FT)	123,000	369,800	152,500
ANNUAL RUNOFF (CFSM)	0.053	0.0159	0.066
ANNUAL RUNOFF (INCHES)	0.72	2.17	0.89
10 PERCENT EXCEEDS	378	875	441
50 PERCENT EXCEEDS	94	123	92
90 PERCENT EXCEEDS	21	35	22

e Estimated

09442625 NORTH SIDE LUNA DITCH NEAR LUNA, NM

LOCATION.--Lat 33°49'05", long 108°59'20" in NE ¼ NE ¼ NE ¼ sec.14, T.6 S., R.21 W., Catron County, Hydrologic Unit 15040004, on left bank ¼ mi downstream from ditch heading and 2 mi northeast of Luna, and 250 ft from U.S. Highway 180 at road side park on left side of highway.

PERIOD OF RECORD.--March 2003 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	0.00	0.00	1.5	1.6	0.40	0.28
2	0.01	0.00	---	---	---	---	0.00	0.00	0.96	1.4	0.91	1.2
3	0.01	---	---	---	---	---	0.00	0.00	0.76	1.3	1.2	1.2
4	1.0	---	---	---	---	---	0.00	0.00	0.94	1.3	1.0	0.23
5	1.5	---	---	---	---	---	0.00	0.00	0.99	1.2	0.98	0.03
6	2.3	---	---	---	---	---	0.00	0.00	0.70	0.90	1.1	0.01
7	0.86	---	---	---	---	---	0.00	0.00	1.2	0.47	0.84	0.03
8	0.26	---	---	---	---	---	0.00	0.00	2.0	0.82	0.25	0.07
9	0.15	---	---	---	---	---	0.00	0.00	1.7	1.1	0.14	0.08
10	0.12	---	---	---	---	---	0.00	0.00	1.4	0.91	0.07	0.49
11	0.16	---	---	---	---	---	0.00	0.00	1.8	0.55	0.06	0.08
12	0.08	---	---	---	---	---	0.00	0.53	1.8	0.48	0.19	0.03
13	0.02	---	---	---	---	---	0.00	1.4	1.6	0.57	0.76	0.01
14	0.02	---	---	---	---	---	0.00	1.4	0.66	1.4	2.1	0.00
15	0.28	---	---	---	---	---	0.00	1.3	1.1	1.5	1.2	0.00
16	1.5	---	---	---	---	0.00	0.00	1.2	1.6	1.7	0.46	0.00
17	1.1	---	---	---	---	0.00	0.00	1.2	0.60	1.9	0.25	0.00
18	0.52	---	---	---	---	0.00	0.00	1.3	6.6	1.5	0.17	0.00
19	0.21	---	---	---	---	0.00	0.00	1.1	13	1.7	0.13	0.00
20	0.05	---	---	---	---	0.00	0.00	1.1	9.3	1.3	0.09	0.00
21	0.03	---	---	---	---	0.00	0.00	1.1	1.8	0.53	0.06	0.00
22	0.09	---	---	---	---	0.00	0.00	0.94	1.9	0.60	0.55	0.00
23	0.04	---	---	---	---	0.00	0.00	0.83	1.7	0.82	0.42	0.00
24	0.02	---	---	---	---	0.00	0.00	0.76	1.4	0.80	0.19	0.00
25	0.00	---	---	---	---	0.00	0.00	0.68	1.1	0.75	0.14	0.00
26	0.05	---	---	---	---	0.00	0.00	0.68	0.91	0.77	0.10	0.00
27	0.31	---	---	---	---	0.00	0.00	3.3	0.45	0.95	0.07	0.00
28	0.23	---	---	---	---	0.00	0.00	3.5	1.4	0.57	0.03	0.00
29	0.11	---	---	---	---	0.00	0.00	3.8	1.8	0.54	0.04	0.00
30	0.03	---	---	---	---	0.00	0.00	3.1	1.7	0.44	0.04	0.00
31	0.01	---	---	---	---	0.00	---	2.8	---	0.42	0.01	---
TOTAL	11.07	---	---	---	---	---	0.00	32.02	64.37	30.79	13.95	3.74
MEAN	0.36	---	---	---	---	---	0.00	1.03	2.15	0.99	0.45	0.12
MAX	2.3	---	---	---	---	---	0.00	3.8	13	1.9	2.1	1.2
MIN	0.00	---	---	---	---	---	0.00	0.00	0.45	0.42	0.01	0.00
AC-FT	22	---	---	---	---	---	0.00	64	128	61	28	7.4

09442661 ADAIR-LUNA DITCH NEAR LUNA, NM

LOCATION.--Lat 33°50'03", long 108°56'07" in SW ¼ SW ¼ SE ¼ sec.28, T.5 S., R.2 W., Catron County, Hydrologic Unit 15040004, on right bank ½ mi downstream from gage heading at Trout Creek, 3 mi northwest of Luna, NM, 20 mi northwest of Reserve, NM, and 10 mi southeast of Alpine, AZ.

PERIOD OF RECORD.--March to September 2004 (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 7,078 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	1.6	0.81	e0.00	0.00	0.00	0.00
2	0.00	0.00	---	---	---	---	1.6	0.74	e0.00	0.00	0.00	0.00
3	0.00	0.00	---	---	---	---	1.6	0.69	e0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	1.5	0.70	e0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	1.4	0.66	e0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	1.3	0.60	e0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	1.3	0.50	e0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	1.3	0.42	e0.00	0.00	0.00	0.00
9	0.00	---	---	---	---	---	1.2	0.39	0.00	0.00	0.00	0.00
10	0.00	---	---	---	---	---	1.2	0.35	0.00	0.00	0.00	0.00
11	0.00	---	---	---	---	---	1.4	0.31	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	1.2	0.27	0.00	0.00	0.06	0.00
13	0.00	---	---	---	---	---	1.1	0.24	0.00	0.00	0.08	0.00
14	0.00	---	---	---	---	---	0.95	0.22	0.00	0.00	0.08	0.00
15	0.00	---	---	---	---	---	0.90	0.20	0.00	0.00	0.08	0.00
16	0.00	---	---	---	---	0.70	0.90	e0.18	0.00	0.00	0.07	0.00
17	0.00	---	---	---	---	0.69	1.0	e0.15	0.00	0.00	0.07	0.00
18	0.00	---	---	---	---	0.68	0.96	e0.15	0.00	0.00	0.06	0.00
19	0.00	---	---	---	---	0.61	1.0	e0.12	0.00	0.00	0.06	0.00
20	0.00	---	---	---	---	0.61	1.1	e0.12	0.00	0.00	0.06	0.00
21	0.00	---	---	---	---	0.61	1.0	e0.10	0.00	0.00	0.06	0.00
22	0.00	---	---	---	---	0.61	0.96	e0.08	0.00	0.00	0.05	0.00
23	0.00	---	---	---	---	0.60	0.94	e0.06	0.00	0.00	0.04	0.00
24	0.00	---	---	---	---	1.2	1.6	e0.05	0.00	0.00	0.04	0.00
25	0.00	---	---	---	---	1.8	2.2	e0.03	0.00	0.00	0.04	0.00
26	0.00	---	---	---	---	1.8	1.7	e0.00	0.00	0.00	0.03	0.00
27	0.00	---	---	---	---	1.8	1.4	e0.00	0.00	0.00	0.02	0.00
28	0.00	---	---	---	---	1.8	1.1	e0.00	0.00	0.00	0.02	0.00
29	0.00	---	---	---	---	1.8	0.97	e0.00	0.00	0.00	0.02	0.00
30	0.00	---	---	---	---	1.8	0.89	e0.00	0.00	0.00	0.01	0.00
31	0.00	---	---	---	---	1.7	---	e0.00	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	37.27	8.14	0.00	0.00	0.95	0.00
MEAN	0.00	---	---	---	---	---	1.24	0.26	0.00	0.00	0.03	0.00
MAX	0.00	---	---	---	---	---	2.2	0.81	0.00	0.00	0.08	0.00
MIN	0.00	---	---	---	---	---	0.89	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	74	16	0.00	0.00	1.9	0.00

e Estimated

09442662 L. LANEY DITCH NEAR LUNA, NM

LOCATION.--Lat 33°49'37", long 108°55'36" in NW ¼ NE ¼ NE ¼ sec.33, T.5 S., R.20 W., Catron County, Hydrologic Unit 15040004, on right bank 20 mi northwest of Reserve, NM, 3 mi southeast of Luna, NM, and 15 mi southeast of Alpine, AZ.

PERIOD OF RECORD.--March to September 2004 (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 7,014 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	0.07	0.89	0.02	0.00	0.00	0.00
2	0.00	0.00	---	---	---	---	0.06	0.86	0.01	0.00	0.00	0.00
3	0.00	0.00	---	---	---	---	0.06	0.82	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.68	0.81	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	1.5	0.80	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	1.6	0.69	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	1.6	0.55	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	1.6	0.49	0.00	0.00	0.00	0.00
9	0.00	---	---	---	---	---	1.6	0.45	0.00	0.00	0.00	0.00
10	0.00	---	---	---	---	---	1.6	0.40	0.00	0.00	0.00	0.00
11	0.00	---	---	---	---	---	1.5	0.55	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	1.3	0.75	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	1.3	0.67	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	1.4	0.71	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	1.4	0.79	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	0.07	1.4	0.69	0.00	0.00	0.00	0.00
17	0.00	---	---	---	---	0.06	1.4	0.62	0.00	0.00	0.00	0.00
18	0.00	---	---	---	---	0.06	1.4	0.55	0.00	0.00	0.00	0.00
19	0.00	---	---	---	---	0.06	1.4	0.42	0.00	0.00	0.00	0.00
20	0.00	---	---	---	---	0.06	1.3	0.29	0.00	0.00	0.00	0.00
21	0.00	---	---	---	---	0.06	1.3	0.18	0.00	0.00	0.00	0.00
22	0.00	---	---	---	---	0.06	1.2	0.10	0.00	0.00	0.00	0.00
23	0.00	---	---	---	---	0.06	1.2	0.06	0.00	0.00	0.00	0.00
24	0.00	---	---	---	---	0.21	1.2	0.04	0.00	0.00	0.00	0.00
25	0.00	---	---	---	---	0.24	1.1	0.03	0.00	0.00	0.00	0.00
26	0.00	---	---	---	---	0.18	1.0	0.02	0.00	0.00	0.00	0.00
27	0.00	---	---	---	---	0.15	0.86	0.02	0.00	0.00	0.00	0.00
28	0.00	---	---	---	---	0.11	0.90	0.01	0.00	0.00	0.00	0.00
29	0.00	---	---	---	---	0.10	0.97	0.20	0.00	0.00	0.00	0.00
30	0.00	---	---	---	---	0.08	0.94	0.07	0.00	0.00	0.00	0.00
31	0.00	---	---	---	---	0.08	---	0.03	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	34.84	13.56	0.03	0.00	0.00	0.00
MEAN	0.00	---	---	---	---	---	1.16	0.44	0.00	0.00	0.00	0.00
MAX	0.00	---	---	---	---	---	1.6	0.89	0.02	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	0.06	0.01	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	69	27	0.06	0.00	0.00	0.00

GILA RIVER BASIN

09442666 W.S. LANEY DITCH NEAR LUNA, NM

LOCATION.--Lat 33°51'46", long 108°52'26", in SE ¼ SE ¼ SW ¼ sec. 13, T.5 S., R.20 W., Catron County, Hydrologic Unit 15040004, on right bank 9.0 mi northeast of Luna, and 20 mi north of Reserve, NM.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder with Parshall flume. Elevation of gage is 6,880 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.96	1.0	---	---	---	---	1.2	0.77	1.2	0.95	1.3	0.84
2	1.0	1.0	---	---	---	---	1.2	0.73	1.2	0.91	1.2	1.0
3	1.0	---	---	---	---	---	1.2	0.78	1.2	0.86	1.2	1.4
4	1.0	---	---	---	---	---	1.2	0.84	1.2	0.82	1.3	1.4
5	1.0	---	---	---	---	---	1.1	0.82	1.2	0.82	1.2	1.2
6	1.0	---	---	---	---	---	1.1	0.76	1.1	0.79	1.2	0.99
7	1.0	---	---	---	---	---	1.1	0.74	1.1	0.76	1.5	0.95
8	1.0	---	---	---	---	---	1.1	0.78	1.1	0.85	1.2	0.92
9	1.0	---	---	---	---	---	1.0	0.78	1.1	0.90	1.2	0.93
10	1.0	---	---	---	---	---	0.99	0.77	1.2	0.85	1.2	1.3
11	1.0	---	---	---	---	---	0.98	0.78	1.2	0.74	2.8	0.97
12	1.0	---	---	---	---	---	0.96	0.79	1.2	0.64	2.0	0.91
13	1.0	---	---	---	---	---	0.91	0.86	1.2	0.66	1.5	0.86
14	1.0	---	---	---	---	---	0.90	1.1	1.1	0.71	1.6	0.89
15	1.0	---	---	---	---	---	0.91	0.98	1.1	0.64	1.5	0.88
16	1.0	---	---	---	---	0.41	0.90	0.98	1.1	0.95	1.2	0.88
17	1.0	---	---	---	---	0.37	0.92	0.98	1.1	1.3	1.3	0.90
18	1.0	---	---	---	---	1.5	0.87	0.98	1.1	1.3	1.4	0.91
19	1.0	---	---	---	---	2.7	0.84	1.0	1.1	1.1	1.1	0.93
20	1.0	---	---	---	---	2.6	0.80	1.0	1.1	0.61	1.0	0.96
21	1.0	---	---	---	---	2.1	0.74	1.0	1.2	0.37	1.1	1.1
22	1.0	---	---	---	---	1.6	0.76	1.1	1.2	0.31	1.0	1.2
23	1.0	---	---	---	---	1.6	0.75	1.1	1.2	0.60	0.98	1.2
24	1.0	---	---	---	---	1.5	0.96	1.1	1.3	1.2	0.91	1.2
25	1.0	---	---	---	---	1.5	0.94	1.1	1.3	1.2	0.87	1.2
26	1.0	---	---	---	---	1.5	0.92	1.2	1.2	1.3	0.83	1.2
27	1.0	---	---	---	---	1.3	0.87	1.3	1.1	1.3	0.83	1.2
28	1.0	---	---	---	---	1.3	0.82	1.4	1.1	1.4	0.82	1.3
29	1.0	---	---	---	---	1.3	0.79	1.8	1.1	1.2	0.77	1.4
30	1.0	---	---	---	---	1.3	0.77	1.5	0.97	1.1	0.78	1.3
31	1.0	---	---	---	---	1.2	---	1.3	---	1.1	0.78	---
TOTAL	30.96	---	---	---	---	---	28.50	31.12	34.57	28.24	37.57	32.32
MEAN	1.00	---	---	---	---	---	0.95	1.00	1.15	0.91	1.21	1.08
MAX	1.0	---	---	---	---	---	1.2	1.8	1.3	1.4	2.8	1.4
MIN	0.96	---	---	---	---	---	0.74	0.73	0.97	0.31	0.77	0.84
AC-FT	61	---	---	---	---	---	57	62	69	56	75	64

09442667 A. LANEY DITCH NEAR LUNA, NM

LOCATION.--Lat 33°49'49", long 108°50'26", in NE ¼ NE ¼ SW ¼ sec.32, T.5 S., R.19 W., Catron County, Hydrologic Unit 15040004, on right bank 0.5 mi below gage heading, 21 mi northeast of Reserve, NM, 5 mi southeast of Luna, NM, and 10 mi southeast of Alpine, AZ.

PERIOD OF RECORD.--October 2003 to September 2004 (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 6,685 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	0.42	---	---	---	---	4.1	2.7	2.1	1.6	1.3	1.1
2	0.20	0.39	---	---	---	---	4.1	2.6	2.0	1.5	1.3	1.4
3	0.20	---	---	---	---	---	4.1	2.6	2.0	1.5	1.3	1.6
4	0.19	---	---	---	---	---	4.1	2.5	2.0	1.5	1.3	1.3
5	0.23	---	---	---	---	---	4.0	2.5	2.0	1.5	1.3	1.3
6	0.23	---	---	---	---	---	4.0	2.4	2.0	1.5	1.3	1.2
7	0.24	---	---	---	---	---	3.9	2.3	2.0	1.5	1.5	1.2
8	0.31	---	---	---	---	---	3.9	2.4	2.0	1.4	1.3	1.2
9	0.34	---	---	---	---	---	3.8	2.3	1.9	1.4	1.3	1.1
10	0.39	---	---	---	---	---	3.8	2.3	2.0	1.4	1.3	1.3
11	0.44	---	---	---	---	---	3.8	2.3	2.0	1.4	2.9	1.1
12	0.39	---	---	---	---	---	3.8	2.3	2.0	1.4	2.4	1.1
13	0.39	---	---	---	---	---	3.8	2.3	1.9	1.4	1.5	1.1
14	0.38	---	---	---	---	---	3.7	2.3	1.9	1.4	1.5	1.0
15	0.37	---	---	---	---	---	3.7	2.2	1.8	1.3	1.4	1.0
16	0.34	---	---	---	---	6.0	3.6	2.2	1.8	1.4	1.3	1.0
17	0.32	---	---	---	---	6.1	3.6	2.2	1.8	1.4	1.3	1.0
18	0.32	---	---	---	---	5.8	3.5	2.2	1.8	1.4	1.3	1.0
19	0.33	---	---	---	---	5.3	3.5	2.2	1.8	1.5	1.3	1.0
20	0.28	---	---	---	---	4.9	3.4	2.1	1.8	1.4	1.2	0.99
21	0.33	---	---	---	---	4.7	3.2	2.1	1.8	1.3	1.2	0.97
22	0.36	---	---	---	---	4.6	3.2	2.1	1.8	1.3	1.2	0.97
23	0.31	---	---	---	---	4.6	3.1	2.1	1.8	1.4	1.2	0.96
24	0.41	---	---	---	---	4.4	3.4	2.1	1.8	1.4	1.2	0.92
25	0.42	---	---	---	---	4.5	3.1	2.1	1.7	1.7	1.2	0.92
26	0.43	---	---	---	---	4.6	3.0	2.1	1.6	1.5	1.2	0.92
27	0.47	---	---	---	---	4.6	2.9	2.1	1.6	1.6	1.1	0.88
28	0.45	---	---	---	---	4.5	2.8	2.2	1.7	1.5	1.1	0.88
29	0.42	---	---	---	---	4.5	2.8	2.3	1.6	1.4	1.1	0.90
30	0.42	---	---	---	---	4.4	2.7	2.2	1.6	1.3	1.1	0.88
31	0.42	---	---	---	---	4.3	---	2.2	---	1.3	1.1	---
TOTAL	10.52	---	---	---	---	---	106.4	70.5	55.6	44.5	42.0	32.19
MEAN	0.34	---	---	---	---	---	3.55	2.27	1.85	1.44	1.35	1.07
MAX	0.47	---	---	---	---	---	4.1	2.7	2.1	1.7	2.9	1.6
MIN	0.19	---	---	---	---	---	2.7	2.1	1.6	1.3	1.1	0.88
AC-FT	21	---	---	---	---	---	211	140	110	88	83	64

09442669 LEWIS DITCH NEAR RESERVE, NM

LOCATION.--Lat 33°48'27", long 108°46'54", in SW ¼ SE ¼ NW ¼ sec.2, T.6 S., R.19 W., Catron County, Hydrologic Unit 15040004, on right bank 50 ft downstream from ditch heading, 7.0 mi due north of Reserve, and 4.0 mi northwest of State Highway 12 at JTS Park turn.

PERIOD OF RECORD.--October 2002 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.3	---	---	---	---	15	10	5.5	3.2	e4.9	3.8
2	2.7	---	---	---	---	---	15	10	5.4	3.3	e4.8	5.9
3	2.5	---	---	---	---	---	14	9.8	5.3	3.1	e4.9	7.5
4	2.4	---	---	---	---	---	14	9.7	5.3	3.1	e4.9	5.7
5	2.3	---	---	---	---	---	14	9.6	5.0	3.1	e4.9	5.6
6	2.4	---	---	---	---	---	14	9.2	4.8	3.1	e4.9	5.0
7	2.3	---	---	---	---	---	14	9.0	4.8	3.0	e4.8	5.0
8	2.2	---	---	---	---	---	14	8.8	4.7	3.0	e4.9	5.3
9	2.2	---	---	---	---	---	14	8.6	4.5	3.2	e5.0	4.7
10	2.3	---	---	---	---	---	14	8.4	4.4	3.0	e5.0	5.3
11	3.0	---	---	---	---	---	14	8.2	4.4	3.0	5.1	5.0
12	2.8	---	---	---	---	---	13	7.7	4.6	3.5	6.6	4.6
13	2.5	---	---	---	---	---	13	7.5	4.5	4.6	5.9	4.4
14	2.4	---	---	---	---	---	12	7.4	4.3	e4.6	6.4	4.2
15	2.3	---	---	---	---	---	12	7.3	4.1	e4.6	6.0	4.1
16	2.1	---	---	---	---	---	12	7.1	4.0	5.2	5.4	4.1
17	2.2	---	---	---	---	17	12	6.9	4.0	e5.4	5.0	4.0
18	2.3	---	---	---	---	16	12	6.6	3.9	4.4	5.0	4.0
19	2.2	---	---	---	---	16	12	6.5	3.7	e4.5	4.8	3.9
20	2.2	---	---	---	---	16	12	6.3	3.7	e4.7	4.7	3.5
21	2.5	---	---	---	---	16	11	6.3	3.2	e4.6	4.6	3.4
22	4.0	---	---	---	---	16	11	6.2	3.2	e4.7	4.5	3.4
23	2.8	---	---	---	---	16	11	6.2	3.2	e4.6	4.6	3.4
24	2.4	---	---	---	---	16	12	6.0	3.5	e4.7	4.7	3.4
25	2.3	---	---	---	---	15	12	5.9	3.7	e4.7	4.4	3.2
26	2.2	---	---	---	---	16	12	5.9	3.7	e4.8	4.3	3.0
27	2.7	---	---	---	---	16	11	6.0	3.4	e4.7	4.1	3.0
28	2.7	---	---	---	---	15	11	6.1	3.5	e4.8	3.9	3.1
29	3.8	---	---	---	---	15	11	6.2	3.4	e4.8	3.8	3.1
30	4.1	---	---	---	---	15	10	5.9	3.2	e4.8	3.8	3.0
31	3.5	---	---	---	---	15	---	5.6	---	e4.8	3.6	---
TOTAL	81.2	---	---	---	---	---	378	230.9	124.9	127.6	150.2	127.6
MEAN	2.62	---	---	---	---	---	12.6	7.45	4.16	4.12	4.85	4.25
MAX	4.1	---	---	---	---	---	15	10	5.5	5.4	6.6	7.5
MIN	2.1	---	---	---	---	---	10	5.6	3.2	3.0	3.6	3.0
AC-FT	161	---	---	---	---	---	750	458	248	253	298	253

e Estimated

09442677 CIENEGA DITCH NEAR RESERVE, NM

LOCATION.--Lat 33°45'07", long 108°47'11", in NE ¼ NE ¼ SW ¼ sec.27, T.6 S., R.19 W., Catron County, Hydrologic Unit 15040004, on right bank 0.25 mi below gage heading, 5 mi northwest of Reserve, 7 mi from junction of U.S. 80 at State Road 12, and 18 mi southeast of Luna.

PERIOD OF RECORD.--October 2003 to September 2004 (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 6,686 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.16	0.04	---	---	---	---	0.19	0.17	0.03	0.00	0.00	0.00
2	0.16	---	---	---	---	---	0.19	0.18	0.02	0.00	0.00	0.00
3	0.15	---	---	---	---	---	0.17	0.19	0.02	0.00	0.00	0.11
4	0.17	---	---	---	---	---	0.15	0.19	0.01	0.00	0.00	0.01
5	0.17	---	---	---	---	---	0.19	0.16	0.01	0.00	0.00	0.10
6	0.16	---	---	---	---	---	0.20	0.14	0.01	0.00	0.00	0.02
7	0.16	---	---	---	---	---	0.20	0.16	0.00	0.00	0.00	0.03
8	0.16	---	---	---	---	---	0.18	0.15	0.00	0.00	0.00	0.03
9	0.16	---	---	---	---	---	0.19	0.15	0.00	0.00	0.00	0.01
10	0.18	---	---	---	---	---	0.20	0.15	0.00	0.00	0.00	0.03
11	0.14	---	---	---	---	---	0.19	0.15	0.00	0.00	0.00	0.02
12	0.13	---	---	---	---	---	0.18	0.16	0.00	0.00	0.00	0.01
13	0.12	---	---	---	---	---	0.17	0.14	0.00	0.00	0.00	0.00
14	0.10	---	---	---	---	---	0.17	0.11	0.00	0.00	0.00	0.00
15	0.10	---	---	---	---	0.13	0.18	0.10	0.00	0.00	0.00	0.00
16	0.09	---	---	---	---	0.12	0.19	0.09	0.00	0.00	0.00	0.00
17	0.09	---	---	---	---	0.11	0.19	0.07	0.00	0.00	0.00	0.00
18	0.09	---	---	---	---	0.11	0.20	0.08	0.00	0.00	0.00	0.00
19	0.09	---	---	---	---	0.13	0.20	0.06	0.00	0.00	0.00	0.00
20	0.09	---	---	---	---	0.19	0.20	0.05	0.00	0.00	0.00	0.00
21	0.08	---	---	---	---	0.18	0.21	0.03	0.00	0.00	0.00	0.00
22	0.07	---	---	---	---	0.19	0.20	0.02	0.00	0.00	0.00	0.00
23	0.06	---	---	---	---	0.19	0.20	0.02	0.00	0.00	0.00	0.00
24	0.06	---	---	---	---	0.24	0.35	0.02	0.00	0.00	0.00	0.00
25	0.07	---	---	---	---	0.27	0.24	0.01	0.00	0.00	0.00	0.00
26	0.06	---	---	---	---	0.17	0.22	0.01	0.00	0.00	0.00	0.00
27	0.06	---	---	---	---	0.16	0.20	0.02	0.00	0.00	0.00	0.00
28	0.06	---	---	---	---	0.18	0.19	0.05	0.00	0.00	0.00	0.00
29	0.05	---	---	---	---	0.19	0.23	0.10	0.00	0.00	0.00	0.00
30	0.05	---	---	---	---	0.19	0.20	0.09	0.00	0.00	0.00	0.00
31	0.04	---	---	---	---	0.18	---	0.05	---	0.00	0.00	---
TOTAL	3.33	---	---	---	---	---	5.97	3.07	0.10	0.00	0.00	0.37
MEAN	0.11	---	---	---	---	---	0.20	0.10	0.00	0.00	0.00	0.01
MAX	0.18	---	---	---	---	---	0.35	0.19	0.03	0.00	0.00	0.11
MIN	0.04	---	---	---	---	---	0.15	0.01	0.00	0.00	0.00	0.00
AC-FT	6.6	---	---	---	---	---	12	6.1	0.2	0.00	0.00	0.7

09442680 SAN FRANCISCO RIVER NEAR RESERVE, NM

LOCATION.--Lat 33°44'12", long 108°46'14", in NE ¼ NW ¼ SE ¼ sec.35, T.6 S., R.19 W., Catron County, Hydrologic Unit 15040004, on left bank 1,300 ft downstream from Rainbow Bridge Canyon, 1.7 mi northwest of Reserve, and at mile 563.1.

DRAINAGE AREA.--350 mi², approximately.

PERIOD OF RECORD.--March 1959 to current year.

REVISED RECORDS.--WDR NM-78-1: 1977. WDR NM-84-1: 1973, 1979-80.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,820 ft above NGVD of 1929, from topographic map. Prior to Dec. 15, 1972, at site 1,800 ft upstream at different datum.

REMARKS.--Records fair, except for those estimated, which are poor. Possible minor regulation by Luna Lake, 27 mi upstream. Diversions for irrigation of about 280 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, about 15 ft, as determined in 1962 from old floodmarks. Major floods of Nov. 26, 1905, and Dec. 3, 1906, exceeded 20,000 ft³/s at Alma (downstream). See WSP 1313.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	3.5	4.0	7.6	27	96	36	19	8.9	3.9	3.8	3.3
2	2.5	4.2	3.9	5.7	26	84	34	18	9.4	8.4	3.2	12
3	2.0	3.4	4.0	80	25	75	34	17	8.8	3.5	3.6	19
4	1.6	3.6	4.0	463	24	71	33	16	7.6	e3.0	6.1	11
5	1.6	3.7	4.8	285	22	68	33	15	9.6	3.0	4.2	12
6	1.6	3.5	4.4	130	23	81	32	14	7.2	e2.0	3.8	10
7	1.7	3.5	4.4	75	23	106	31	13	9.0	2.6	19	9.1
8	1.7	3.5	4.2	56	23	95	31	13	6.7	3.7	8.0	7.9
9	1.8	3.5	4.2	45	22	81	31	13	6.8	3.3	7.8	6.3
10	1.5	3.5	4.2	26	23	76	31	12	8.2	3.9	10	6.3
11	2.2	3.7	4.5	45	82	79	31	11	7.7	3.4	13	5.9
12	2.7	4.2	4.5	48	e680	93	31	11	6.7	3.6	18	5.2
13	2.8	4.5	4.5	39	357	99	29	10	6.2	3.3	21	5.1
14	3.0	4.5	4.4	37	e235	101	27	9.6	7.1	3.5	23	5.1
15	2.8	4.5	4.3	34	e161	98	25	9.0	5.6	2.9	20	4.7
16	2.8	4.5	4.3	33	e119	90	25	8.4	5.9	2.5	18	4.4
17	2.8	4.5	4.2	32	101	79	24	7.6	6.0	4.7	16	4.4
18	2.8	4.5	4.5	31	e220	71	24	6.4	5.3	5.9	16	4.3
19	3.1	4.4	4.2	29	e400	62	24	6.6	5.6	5.8	13	4.0
20	2.9	4.2	4.4	29	e500	60	23	6.6	5.0	6.0	11	3.4
21	3.1	4.3	3.9	29	e420	61	23	7.2	5.4	4.3	9.5	2.9
22	3.6	5.1	4.1	29	e300	55	21	11	4.9	3.4	8.4	2.9
23	3.8	5.8	3.8	28	e240	50	20	11	4.1	3.9	6.4	3.0
24	3.6	5.2	3.7	29	e190	47	24	6.3	4.2	3.8	4.7	3.1
25	3.5	4.8	3.6	30	154	44	36	6.2	3.6	4.9	4.4	3.1
26	3.5	4.5	3.7	31	143	47	34	9.2	4.7	5.5	3.9	3.2
27	3.5	4.5	4.3	38	135	50	30	14	3.6	11	4.1	3.0
28	3.5	4.5	4.1	45	111	46	26	8.4	3.8	6.7	4.2	2.8
29	3.5	4.9	63	36	---	45	23	5.3	2.8	5.0	3.9	2.9
30	3.5	4.2	224	30	---	44	21	7.8	3.2	4.0	3.4	3.1
31	3.5	---	38	28	---	40	---	14	---	3.9	3.3	---
TOTAL	84.9	127.2	442.1	1,883.3	4,786	2,194	847	336.6	183.6	135.3	294.7	173.4
MEAN	2.74	4.24	14.3	60.8	171	70.8	28.2	10.9	6.12	4.36	9.51	5.78
MAX	3.8	5.8	224	463	680	106	36	19	9.6	11	23	19
MIN	1.5	3.4	3.6	5.7	22	40	20	5.3	2.8	2.0	3.2	2.8
AC-FT	168	252	877	3,740	9,490	4,350	1,680	668	364	268	585	344

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

	26.6	18.4	19.0	20.6	38.9	71.0	48.4	18.1	6.26	7.87	16.2	18.0
MEAN	26.6	18.4	19.0	20.6	38.9	71.0	48.4	18.1	6.26	7.87	16.2	18.0
MAX	430	211	159	159	231	336	398	162	39.7	28.3	96.2	172
(WY)	(1984)	(1979)	(1979)	(1993)	(1993)	(1985)	(1973)	(1973)	(1992)	(1967)	(1999)	(1983)
MIN	2.17	4.24	3.82	4.58	4.26	4.04	3.38	2.27	1.39	1.34	2.31	1.05
(WY)	(2004)	(2005)	(2004)	(2004)	(2004)	(1959)	(1967)	(2002)	(1990)	(1995)	(2003)	(2004)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1959 - 2005

ANNUAL TOTAL	1,969.17		11,488.1									
ANNUAL MEAN	5.38		31.5							26.0		
HIGHEST ANNUAL MEAN										101		1973
LOWEST ANNUAL MEAN										4.54		2004
HIGHEST DAILY MEAN	224			Dec 30		680		Feb 12		5,000		Oct 20, 1972
LOWEST DAILY MEAN	0.30			Jul 22		1.5		Oct 10		0.24		Jul 18, 1997
ANNUAL SEVEN-DAY MINIMUM	0.51			Jul 16		1.6		Oct 4		0.43		Sep 21, 2000
MAXIMUM PEAK FLOW						680		Feb 12		a9,830		Oct 1, 1983
MAXIMUM PEAK STAGE						4.03		Feb 22		b11.71		Oct 1, 1983
INSTANTANEOUS LOW FLOW						1.2		Oct 3		0.00		Jul 5, 2003
ANNUAL RUNOFF (AC-FT)	3,910					22,790				18,830		
10 PERCENT EXCEEDS	8.3					77				50		
50 PERCENT EXCEEDS	4.2					6.8				8.0		
90 PERCENT EXCEEDS	1.2					3.1				3.3		

a From rating curve extended above 1,400 ft³/s, on basis of slope-area measurement of peak flow.

b Recorded, 11.30 ft, from floodmarks.

c Estimated

09442682 KIEHNE DITCH NEAR RESERVE, NM

LOCATION.--Lat 33°42'14", long 108°45'26", in SE ¼ SW ¼ NE ¼, sec. 12, T.7 S., R.19 W., Catron County, Hydrologic Unit 15040004, on left bank 0.7 mi southwest of Reserve, and 12.7 mi southwest of Apache Creek, NM.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder with Parshall flume. Elevation of gage is 5,720 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	0.09	---	---	---	---	0.00	1.9	0.42	2.3	1.5	0.00
2	2.3	---	---	---	---	---	0.00	3.3	3.5	1.7	1.3	0.11
3	3.2	---	---	---	---	---	0.00	3.6	4.6	1.5	1.4	0.25
4	2.8	---	---	---	---	---	0.08	3.3	5.0	1.5	1.4	0.01
5	1.3	---	---	---	---	---	0.08	4.1	4.9	1.2	1.3	0.03
6	0.17	---	---	---	---	---	0.04	3.8	4.7	1.3	2.2	0.03
7	0.05	---	---	---	---	---	0.00	3.2	4.3	1.3	1.4	0.02
8	0.04	---	---	---	---	---	0.00	2.8	3.7	1.2	0.04	0.01
9	0.05	---	---	---	---	---	0.00	3.6	3.2	1.1	0.10	0.01
10	0.08	---	---	---	---	---	0.00	3.7	2.3	1.1	0.11	0.02
11	0.13	---	---	---	---	---	0.00	3.5	1.8	1.0	0.09	0.02
12	0.10	---	---	---	---	---	0.00	3.7	1.4	1.1	0.02	0.02
13	0.11	---	---	---	---	---	0.00	3.9	1.1	0.87	0.09	0.03
14	0.13	---	---	---	---	---	0.00	3.4	2.1	0.54	0.20	0.02
15	0.11	---	---	---	---	---	0.00	3.0	3.0	0.41	0.04	0.03
16	0.11	---	---	---	---	---	0.00	4.2	2.1	1.5	0.00	0.03
17	0.08	---	---	---	---	0.33	0.00	5.0	2.9	1.2	0.02	0.05
18	0.09	---	---	---	---	0.25	0.00	6.6	3.3	1.1	0.00	0.05
19	0.09	---	---	---	---	0.03	0.00	5.7	3.1	1.6	0.00	0.08
20	0.11	---	---	---	---	0.00	0.00	6.0	3.0	1.6	0.00	0.08
21	0.13	---	---	---	---	0.00	0.00	6.4	3.1	1.4	0.00	0.09
22	0.12	---	---	---	---	0.00	0.00	4.6	3.3	1.8	0.00	0.10
23	0.11	---	---	---	---	0.02	0.00	3.7	3.2	2.0	0.00	0.10
24	0.09	---	---	---	---	0.05	0.00	3.6	3.2	1.8	0.00	0.10
25	0.08	---	---	---	---	0.03	0.00	3.9	2.8	1.6	0.00	0.10
26	0.07	---	---	---	---	0.00	0.04	3.0	2.7	1.7	0.00	0.10
27	0.06	---	---	---	---	0.00	0.00	2.8	2.4	1.4	0.00	0.08
28	0.08	---	---	---	---	0.00	0.66	0.57	2.3	1.7	0.00	0.09
29	0.07	---	---	---	---	0.00	3.4	2.8	2.2	2.3	0.00	0.10
30	0.08	---	---	---	---	0.00	5.3	0.30	2.3	1.9	0.00	0.08
31	0.08	---	---	---	---	0.00	---	3.5	---	1.7	0.00	---
TOTAL	13.32	---	---	---	---	---	9.60	113.47	87.92	44.42	11.21	1.84
MEAN	0.43	---	---	---	---	---	0.32	3.66	2.93	1.43	0.36	0.06
MAX	3.2	---	---	---	---	---	5.3	6.6	5.0	2.3	2.2	0.25
MIN	0.04	---	---	---	---	---	0.00	0.30	0.42	0.41	0.00	0.00
AC-FT	26	---	---	---	---	---	19	225	174	88	22	3.6

GILA RIVER BASIN

09442683 PARSONS DITCH NEAR RESERVE, NM

LOCATION.--Lat 33°41'26", long 108°45'56" in SW ¼ NW ¼ SW ¼ sec.13, T.7 S., R.19 W., Catron County, Hydrologic Unit 15040004, on left bank 1.5 mi southwest of Reserve, 1/8 mi south of State Highway 435, and 500 ft south of San Francisco Plaza.

PERIOD OF RECORD.--March 2003 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 5,720 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except those estimated, which are fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	0.00	3.1	2.9	0.00	10	0.00
2	0.00	---	---	---	---	---	0.00	2.9	2.2	0.00	10	0.00
3	0.00	---	---	---	---	---	0.00	2.8	1.6	0.00	9.7	0.00
4	0.00	---	---	---	---	---	0.00	2.7	1.4	0.00	11	0.00
5	0.00	---	---	---	---	---	0.00	2.5	1.5	0.00	11	0.00
6	0.00	---	---	---	---	---	0.00	2.5	1.4	0.00	11	0.00
7	0.00	---	---	---	---	---	0.00	1.8	1.4	0.00	8.0	0.00
8	0.00	---	---	---	---	---	0.00	2.8	1.5	0.00	0.03	0.00
9	0.00	---	---	---	---	---	0.00	e3.2	1.6	0.00	0.01	0.00
10	0.00	---	---	---	---	---	0.00	3.1	1.9	0.00	0.00	0.00
11	0.00	---	---	---	---	---	0.00	3.1	2.2	0.00	0.00	0.00
12	0.00	---	---	---	---	---	0.00	3.2	2.3	0.00	0.00	0.00
13	0.00	---	---	---	---	---	0.00	3.1	2.4	0.00	0.00	0.00
14	0.00	---	---	---	---	---	0.00	3.1	2.1	0.00	0.00	0.00
15	0.00	---	---	---	---	---	0.00	3.3	1.2	0.00	0.00	0.00
16	0.00	---	---	---	---	---	0.00	3.3	1.4	0.00	0.00	0.00
17	0.00	---	---	---	---	0.00	0.00	3.0	1.4	0.00	0.00	0.00
18	0.00	---	---	---	---	0.00	0.00	2.2	0.90	0.00	0.00	0.00
19	0.00	---	---	---	---	0.00	0.00	2.4	0.92	0.00	0.00	0.00
20	0.00	---	---	---	---	0.00	1.1	2.4	0.70	0.00	0.00	0.00
21	0.00	---	---	---	---	0.00	3.9	2.1	0.56	0.00	0.00	0.00
22	0.00	---	---	---	---	0.00	3.5	2.6	0.60	0.00	0.00	0.00
23	0.00	---	---	---	---	0.00	3.6	2.2	0.21	0.00	0.00	0.00
24	0.00	---	---	---	---	0.00	4.2	2.1	0.18	0.00	0.00	0.00
25	0.00	---	---	---	---	0.00	4.5	2.0	0.14	0.37	0.00	0.00
26	0.00	---	---	---	---	0.00	4.5	2.2	0.09	0.67	0.00	0.00
27	0.00	---	---	---	---	0.00	4.0	2.1	0.03	5.2	0.00	0.00
28	0.00	---	---	---	---	0.00	3.6	2.5	0.03	12	0.00	0.00
29	0.00	---	---	---	---	0.00	3.2	3.1	0.02	11	0.00	0.00
30	0.00	---	---	---	---	0.00	3.1	3.5	0.00	10	0.00	0.00
31	0.00	---	---	---	---	0.00	---	2.2	---	11	0.00	---
TOTAL	0.00	---	---	---	---	---	39.20	83.1	34.78	50.24	70.74	0.00
MEAN	0.00	---	---	---	---	---	1.31	2.68	1.16	1.62	2.28	0.00
MAX	0.00	---	---	---	---	---	4.5	3.5	2.9	12	11	0.00
MIN	0.00	---	---	---	---	---	0.00	1.8	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	78	165	69	100	140	0.00

e Estimated

09442684 MIDDLE FRISCO DITCH NEAR RESERVE, NM

LOCATION.--Lat 33°41'27", long 108°45'57" in SE 1/4 NE 1/4 SE 1/4 sec.14, T.7 S., R.19 W., Catron County, Hydrologic Unit 15040004, on left bank 1.5 mi southwest of Reserve, 1/8 mi south of State Highway 435, and 500 ft south of San Francisco Plaza.

PERIOD OF RECORD.--March 2003 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 5,720 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.99	0.00	---	---	---	---	0.00	0.63	0.11	1.8	0.40	0.00
2	1.8	---	---	---	---	---	0.00	1.3	1.1	0.94	0.31	0.00
3	3.1	---	---	---	---	---	0.00	1.7	1.5	0.90	0.28	0.00
4	2.6	---	---	---	---	---	0.00	1.5	2.2	0.84	0.28	0.00
5	0.79	---	---	---	---	---	0.00	1.6	3.1	0.69	0.44	0.00
6	0.04	---	---	---	---	---	0.00	1.1	2.3	0.76	0.35	0.00
7	0.00	---	---	---	---	---	0.00	1.1	1.6	1.3	0.38	0.00
8	0.00	---	---	---	---	---	0.00	1.2	1.2	e1.1	0.07	0.00
9	0.00	---	---	---	---	---	0.00	1.3	1.0	e1.0	0.01	0.00
10	0.00	---	---	---	---	---	0.00	1.1	0.70	e0.85	0.00	0.00
11	0.00	---	---	---	---	---	0.00	0.79	0.46	e0.75	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.69	0.33	e0.70	0.23	0.00
13	0.00	---	---	---	---	---	0.00	0.59	0.31	0.63	0.00	0.00
14	0.00	---	---	---	---	---	0.00	1.1	1.1	0.44	0.00	0.00
15	0.00	---	---	---	---	---	0.00	1.3	1.1	0.26	0.00	0.00
16	0.00	---	---	---	---	---	0.00	1.5	0.56	1.5	0.00	0.00
17	0.00	---	---	---	---	0.00	0.00	1.6	0.76	1.3	0.00	0.00
18	0.00	---	---	---	---	0.00	0.00	2.0	1.0	1.3	0.00	0.00
19	0.00	---	---	---	---	0.00	0.00	1.7	1.4	1.7	0.00	0.00
20	0.00	---	---	---	---	0.00	0.00	1.7	1.8	1.4	0.00	0.00
21	0.00	---	---	---	---	0.00	0.00	1.7	1.9	0.99	0.00	0.00
22	0.00	---	---	---	---	0.00	0.00	2.1	2.1	0.70	0.00	0.00
23	0.00	---	---	---	---	0.00	0.00	1.6	2.0	0.08	0.00	0.00
24	0.00	---	---	---	---	0.00	0.00	1.7	2.2	0.05	0.00	0.00
25	0.00	---	---	---	---	0.00	0.00	1.7	1.6	0.04	0.00	0.00
26	0.00	---	---	---	---	0.00	0.00	1.2	1.7	0.06	0.00	0.00
27	0.00	---	---	---	---	0.00	0.00	0.87	1.6	0.05	0.00	0.00
28	0.00	---	---	---	---	0.00	0.38	0.16	1.4	0.70	0.00	0.00
29	0.00	---	---	---	---	0.00	0.92	0.38	1.2	0.78	0.00	0.00
30	0.00	---	---	---	---	0.00	1.0	0.10	2.1	0.48	0.00	0.00
31	0.00	---	---	---	---	0.00	---	1.3	---	0.51	0.00	---
TOTAL	9.32	---	---	---	---	---	2.30	38.31	41.43	24.60	2.75	0.00
MEAN	0.30	---	---	---	---	---	0.08	1.24	1.38	0.79	0.09	0.00
MAX	3.1	---	---	---	---	---	1.0	2.1	3.1	1.8	0.44	0.00
MIN	0.00	---	---	---	---	---	0.00	0.10	0.11	0.04	0.00	0.00
AC-FT	18	---	---	---	---	---	4.6	76	82	49	5.5	0.00

e Estimated

09442704 TULAROSA-CRUZVILLE DITCH NEAR ARAGON, NM

LOCATION.--Lat 33°48'25", long 108°39'40", in SW 1/4 NW 1/4 SE 1/4 sec.1, T.6 S., R.18 W., Catron County, Hydrologic Unit 15040004, on right bank 3 mi southwest of Apache Creek, 7 mi southwest of Aragon, and 9 mi northeast of Reserve.

PERIOD OF RECORD.--October 2003 to September 2004 (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 6,307 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except those estimated, which are fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	0.00	0.47	0.65	0.14	0.26	0.00
2	0.00	---	---	---	---	---	0.00	0.47	0.63	0.15	0.21	0.00
3	0.00	---	---	---	---	---	0.00	0.45	0.59	0.14	0.27	0.00
4	0.00	---	---	---	---	---	0.00	0.45	0.54	0.12	0.25	0.00
5	0.00	---	---	---	---	---	0.00	0.44	0.52	0.08	0.33	0.00
6	0.00	---	---	---	---	---	0.00	0.43	0.48	0.11	0.34	0.00
7	0.00	---	---	---	---	---	0.00	0.40	0.47	0.11	0.30	0.00
8	0.00	---	---	---	---	---	0.00	0.35	0.45	0.11	0.02	0.00
9	0.00	---	---	---	---	---	0.00	0.32	0.45	0.12	0.00	0.00
10	0.00	---	---	---	---	---	0.00	e0.60	0.44	0.11	0.00	0.00
11	0.00	---	---	---	---	---	0.00	1.6	0.42	0.09	0.05	0.00
12	0.00	---	---	---	---	---	0.00	1.5	0.40	0.08	0.00	0.00
13	0.00	---	---	---	---	---	0.00	1.4	0.39	0.15	0.00	0.00
14	0.00	---	---	---	---	---	0.00	1.3	0.35	0.22	0.00	0.00
15	0.00	---	---	---	---	---	0.00	1.3	0.33	0.12	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.81	0.30	0.11	0.00	0.00
17	0.00	---	---	---	---	0.00	0.00	0.65	0.25	0.18	0.00	0.00
18	0.00	---	---	---	---	0.00	0.00	0.84	0.26	0.19	0.00	0.00
19	0.00	---	---	---	---	0.00	0.00	0.74	0.24	0.22	0.00	0.00
20	0.00	---	---	---	---	0.00	0.06	0.68	0.21	0.19	0.00	0.00
21	0.00	---	---	---	---	0.00	0.27	0.62	0.25	0.15	0.00	0.00
22	0.00	---	---	---	---	0.00	0.28	0.55	0.25	0.18	0.00	0.13
23	0.00	---	---	---	---	0.00	0.29	0.54	0.22	0.15	0.00	0.39
24	0.00	---	---	---	---	0.00	0.58	0.53	0.25	0.17	0.00	0.38
25	0.00	---	---	---	---	0.00	0.69	0.57	0.23	0.16	0.00	0.40
26	0.00	---	---	---	---	0.00	0.62	0.62	0.22	0.20	0.00	0.38
27	0.00	---	---	---	---	0.00	0.52	0.65	0.20	0.26	0.00	0.34
28	0.00	---	---	---	---	0.00	0.46	0.80	0.21	0.29	0.00	0.31
29	0.00	---	---	---	---	0.00	0.47	1.00	0.18	0.23	0.00	0.32
30	0.00	---	---	---	---	0.00	0.47	1.1	0.17	0.21	0.00	0.33
31	0.00	---	---	---	---	0.00	---	0.78	---	0.23	0.00	---
TOTAL	0.00	---	---	---	---	---	4.71	22.96	10.55	4.97	2.03	2.98
MEAN	0.00	---	---	---	---	---	0.16	0.74	0.35	0.16	0.07	0.10
MAX	0.00	---	---	---	---	---	0.69	1.6	0.65	0.29	0.34	0.40
MIN	0.00	---	---	---	---	---	0.00	0.32	0.17	0.08	0.00	0.00
AC-FT	0.00	---	---	---	---	---	9.3	46	21	9.9	4.0	5.9

e Estimated

09442755 HIGHTOWER DITCH NEAR RESERVE, NM

LOCATION.--Lat 33°40'35", long 108°46'48", in SW 1/4 SW 1/4 NW 1/4 sec.23, T.7 S., R.19 W., Catron County, Hydrologic Unit 15040004, on right bank 0.5 miles below gage heading, 4.1 miles from Reserve, NM.

PERIOD OF RECORD.--March 2005 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 5,645 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.90	---	---	---	---	0.00	0.00	2.6	0.00	0.00	0.00
2	0.00	---	---	---	---	---	0.00	0.00	1.8	0.00	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	1.7	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	1.5	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	1.4	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.99	0.00	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.92	0.00	0.00	0.00
9	0.00	---	---	---	---	---	0.00	0.00	0.86	0.00	0.00	0.00
10	0.00	---	---	---	---	---	0.00	0.00	0.76	0.00	0.00	0.00
11	0.00	---	---	---	---	---	0.00	0.00	0.74	0.00	0.00	0.00
12	0.08	---	---	---	---	---	0.00	0.00	0.66	0.00	0.00	0.00
13	0.35	---	---	---	---	---	0.00	0.00	0.67	0.00	0.00	0.00
14	0.32	---	---	---	---	---	0.00	0.00	0.83	0.00	0.00	0.00
15	0.18	---	---	---	---	---	0.00	0.00	0.68	0.00	0.00	0.00
16	0.14	---	---	---	---	0.00	0.00	0.00	0.54	0.00	0.00	0.00
17	0.07	---	---	---	---	0.00	0.00	0.00	0.43	0.00	0.00	0.00
18	0.09	---	---	---	---	0.00	0.00	0.00	0.35	0.00	0.00	0.00
19	0.05	---	---	---	---	0.00	0.00	0.00	0.33	0.00	0.00	0.00
20	0.03	---	---	---	---	0.00	0.00	0.00	0.35	0.00	0.00	0.00
21	0.36	---	---	---	---	0.00	0.00	0.00	0.27	0.00	0.00	0.00
22	0.43	---	---	---	---	0.00	0.00	0.00	0.32	0.00	0.00	0.00
23	0.35	---	---	---	---	0.00	0.00	0.00	0.22	0.00	0.00	0.00
24	0.31	---	---	---	---	0.00	0.00	0.40	0.22	0.00	0.00	0.00
25	0.43	---	---	---	---	0.00	0.00	2.1	0.23	0.00	0.00	0.00
26	0.69	---	---	---	---	0.00	0.00	3.0	0.10	0.00	0.00	0.00
27	0.77	---	---	---	---	0.00	0.00	3.3	0.04	0.00	0.00	0.00
28	0.83	---	---	---	---	0.00	0.00	4.1	0.00	0.00	0.00	0.00
29	0.91	---	---	---	---	0.00	0.00	4.7	0.00	0.00	0.00	0.00
30	0.89	---	---	---	---	0.00	0.00	4.2	0.00	0.00	0.00	0.00
31	0.91	---	---	---	---	0.00	---	3.6	---	0.00	0.00	---
TOTAL	8.19	---	---	---	---	---	0.00	25.40	20.71	0.00	0.00	0.00
MEAN	0.26	---	---	---	---	---	0.00	0.82	0.69	0.00	0.00	0.00
MAX	0.91	---	---	---	---	---	0.00	4.7	2.6	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	16	---	---	---	---	---	0.00	50	41	0.00	0.00	0.00

GILA RIVER BASIN

09442760 SAN FRANCISCO DITCH NEAR RESERVE, NM

LOCATION.--Lat 33°40'21", long 108°47'03", in NE 1/4 NE 1/4 NE 1/4 sec.27, T.7 S., R.19 W., Catron County, Hydrologic Unit 15040004, on right bank 0.6 miles below ditch heading, 3.5 miles SE of Reserve, NM.

PERIOD OF RECORD.--March 2005 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 5,575 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	0.00	e0.00	0.01	0.34	0.00	0.00
2	0.00	---	---	---	---	---	0.00	e0.00	0.55	0.33	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	2.2	0.28	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	2.2	0.25	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	2.2	0.21	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	2.2	0.19	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	1.3	0.15	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.72	0.19	0.00	0.00
9	0.00	---	---	---	---	---	0.00	0.00	0.71	0.19	0.00	0.00
10	0.00	---	---	---	---	---	0.00	0.00	0.75	0.16	0.00	0.00
11	0.00	---	---	---	---	---	0.00	0.00	0.75	0.15	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.65	0.15	0.00	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.80	0.18	0.00	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.99	0.24	0.00	0.00
15	0.00	---	---	---	---	0.00	0.00	0.00	1.0	0.18	0.00	0.00
16	0.00	---	---	---	---	0.00	0.00	0.00	0.97	0.19	0.00	0.00
17	0.00	---	---	---	---	0.00	0.00	0.00	0.96	0.26	0.00	0.00
18	0.00	---	---	---	---	0.00	0.00	0.00	0.83	0.28	0.00	0.00
19	0.00	---	---	---	---	0.00	0.00	0.00	0.76	0.28	0.00	0.00
20	0.00	---	---	---	---	0.00	0.00	0.00	0.70	0.24	0.00	0.00
21	0.00	---	---	---	---	0.00	0.00	0.00	0.72	0.23	0.00	0.00
22	0.00	---	---	---	---	0.00	0.00	0.00	0.73	0.22	0.00	0.00
23	0.00	---	---	---	---	0.00	0.00	0.00	0.66	0.21	0.00	0.00
24	0.00	---	---	---	---	0.00	0.00	0.29	0.70	0.27	0.00	0.00
25	0.00	---	---	---	---	0.00	0.00	2.9	0.64	0.56	0.00	0.00
26	0.00	---	---	---	---	0.00	0.00	2.4	0.58	0.80	0.00	0.00
27	0.00	---	---	---	---	0.00	0.00	2.1	0.52	0.69	0.00	0.00
28	0.00	---	---	---	---	0.00	0.00	2.1	0.50	0.03	0.00	0.00
29	0.00	---	---	---	---	0.00	0.00	2.2	0.43	0.00	0.00	0.00
30	0.00	---	---	---	---	0.00	0.00	1.1	0.38	0.00	0.00	0.00
31	0.00	---	---	---	---	0.00	---	0.03	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	0.00	13.12	27.11	7.45	0.00	0.00
MEAN	0.00	---	---	---	---	---	0.00	0.42	0.90	0.24	0.00	0.00
MAX	0.00	---	---	---	---	---	0.00	2.9	2.2	0.80	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.01	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	0.00	26	54	15	0.00	0.00

e Estimated

09442956 THOMASON FLAT DITCH NEAR GLENWOOD, NM

LOCATION.--Lat 33°25'54", long 108°55'56", in NW ¼ NW ¼ NW ¼ sec.20, T.10 S., R.20 W., Catron County, Hydrologic Unit 15040004, on right bank 3.7 mi northwest of Alma, and 11 mi north of Glenwood.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder with Parshall flume. Elevation of gage is 4,860 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	2.5	---	---	---	---	0.00	3.0	1.8	0.59	0.00	0.00
2	4.4	0.17	---	---	---	---	0.00	2.6	1.4	3.3	0.00	0.00
3	4.4	0.28	---	---	---	---	0.00	1.9	1.3	3.7	0.00	0.00
4	4.3	---	---	---	---	---	0.59	1.7	1.0	4.3	0.00	0.00
5	4.0	---	---	---	---	---	3.0	2.6	0.37	2.6	0.00	0.00
6	4.0	---	---	---	---	---	2.6	2.0	0.21	3.6	0.00	0.00
7	2.8	---	---	---	---	---	2.3	1.7	0.59	4.2	0.00	0.00
8	2.5	---	---	---	---	---	2.4	1.4	1.1	3.9	0.00	0.00
9	2.4	---	---	---	---	---	3.0	1.0	1.3	5.0	0.00	0.00
10	2.3	---	---	---	---	---	3.6	1.8	2.6	4.6	0.00	0.00
11	2.0	---	---	---	---	---	3.2	4.2	2.7	4.3	0.00	0.00
12	1.8	---	---	---	---	---	2.3	3.5	3.7	2.1	0.00	0.00
13	1.6	---	---	---	---	---	1.7	3.6	2.7	0.00	0.00	0.00
14	1.3	---	---	---	---	---	1.7	3.5	2.9	0.00	0.00	0.00
15	1.3	---	---	---	---	---	2.0	3.5	3.3	0.00	0.00	0.00
16	1.4	---	---	---	---	---	1.8	3.4	2.5	0.00	0.00	0.00
17	1.4	---	---	---	---	0.00	2.2	3.1	2.3	0.00	0.00	0.00
18	1.7	---	---	---	---	0.00	2.4	2.8	2.0	0.69	0.00	0.00
19	1.8	---	---	---	---	0.00	2.5	2.7	1.9	1.9	0.00	0.00
20	1.9	---	---	---	---	0.00	2.5	2.5	2.5	0.00	0.00	0.00
21	1.9	---	---	---	---	0.00	1.6	2.2	1.6	0.00	0.00	0.00
22	1.9	---	---	---	---	0.00	0.90	2.1	0.00	0.00	0.00	0.00
23	2.0	---	---	---	---	0.00	1.3	1.9	0.00	0.02	0.00	0.00
24	2.2	---	---	---	---	0.00	4.3	1.9	0.00	0.05	0.00	0.00
25	2.3	---	---	---	---	0.00	4.8	1.7	0.00	1.4	0.00	0.00
26	2.5	---	---	---	---	0.00	5.6	1.3	0.00	5.5	0.00	0.00
27	2.2	---	---	---	---	0.00	5.5	0.88	0.00	5.5	0.00	0.00
28	2.2	---	---	---	---	0.00	4.9	0.97	0.00	2.6	0.00	0.30
29	2.3	---	---	---	---	0.00	4.5	1.3	0.00	0.42	0.00	0.68
30	2.4	---	---	---	---	0.00	3.7	1.5	0.00	0.00	0.00	0.00
31	2.7	---	---	---	---	0.00	---	1.8	---	0.00	0.00	---
TOTAL	76.3	---	---	---	---	---	76.89	70.05	39.77	60.27	0.00	0.98
MEAN	2.46	---	---	---	---	---	2.56	2.26	1.33	1.94	0.00	0.03
MAX	4.4	---	---	---	---	---	5.6	4.2	3.7	5.5	0.00	0.68
MIN	1.3	---	---	---	---	---	0.00	0.88	0.00	0.00	0.00	0.00
AC-FT	151	---	---	---	---	---	153	139	79	120	0.00	1.9

09442958 SPURGEON #2 DITCH NEAR GLENWOOD, NM

LOCATION.--Lat 33°26'57", long 108°55'43", in SW 1/4 SE 1/4 NW 1/4 sec.8, T.10 S., R.20 W., Catron County, Hydrologic Unit 15040004, on right bank 1/4 mi downstream from ditch heading and U.S. 180 Highway bridge over San Francisco River, 5.3 mi north of village of Alma, and 11.5 mi north of Glenwood.

PERIOD OF RECORD.--March 2003 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 4,995 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	0.00	e2.7	2.3	4.0	1.2	0.00
2	0.00	0.00	---	---	---	---	0.00	e2.8	2.7	0.94	4.5	0.00
3	0.00	0.00	---	---	---	---	0.00	e2.8	3.2	0.59	8.3	0.00
4	0.00	---	---	---	---	---	0.00	e2.8	3.0	0.02	7.8	0.00
5	0.00	---	---	---	---	---	0.00	2.9	4.3	0.86	7.7	0.00
6	0.00	---	---	---	---	---	e2.0	2.6	4.6	1.0	7.3	0.00
7	0.00	---	---	---	---	---	e2.4	2.4	2.5	0.26	5.2	0.00
8	0.00	---	---	---	---	---	e2.5	2.3	2.1	0.58	2.2	0.00
9	0.00	---	---	---	---	---	e2.5	2.0	4.6	0.00	3.2	0.00
10	0.00	---	---	---	---	---	e2.6	1.5	4.9	0.00	1.1	0.00
11	0.00	---	---	---	---	---	e2.8	1.1	3.5	0.00	5.3	0.00
12	0.00	---	---	---	---	---	e2.8	3.7	2.2	2.8	9.5	0.00
13	0.00	---	---	---	---	---	e2.7	5.5	3.9	6.4	5.7	0.00
14	0.00	---	---	---	---	---	e2.7	5.3	2.8	7.9	13	0.00
15	0.00	---	---	---	---	---	e2.7	4.0	2.4	7.7	13	0.00
16	0.00	---	---	---	---	---	e2.8	3.8	3.9	8.0	4.4	0.00
17	0.00	---	---	---	---	0.00	e2.8	3.7	4.7	8.4	0.00	0.00
18	0.00	---	---	---	---	0.00	e2.7	4.4	5.2	8.0	0.00	0.00
19	0.00	---	---	---	---	0.00	e2.7	4.1	4.9	0.00	0.00	0.00
20	0.00	---	---	---	---	0.00	e2.6	3.8	2.5	0.00	0.00	0.00
21	0.00	---	---	---	---	0.00	e2.6	3.3	3.1	3.6	0.00	0.00
22	0.00	---	---	---	---	0.00	e2.8	3.0	4.7	7.5	0.00	0.00
23	0.00	---	---	---	---	0.00	e2.9	2.7	5.0	7.4	0.00	0.00
24	0.00	---	---	---	---	0.00	e2.9	2.5	2.3	7.7	0.00	0.00
25	0.00	---	---	---	---	0.00	e2.9	2.2	4.0	7.3	0.00	0.00
26	0.00	---	---	---	---	0.00	e2.8	2.7	5.1	1.1	0.00	0.00
27	0.00	---	---	---	---	0.00	e2.8	3.1	4.7	1.7	0.00	0.00
28	0.00	---	---	---	---	0.00	e2.8	4.1	4.6	1.4	0.00	0.00
29	0.00	---	---	---	---	0.00	e2.7	4.0	4.8	1.1	0.00	0.00
30	0.00	---	---	---	---	0.00	e2.7	2.9	5.1	1.1	0.00	0.00
31	0.00	---	---	---	---	0.00	---	1.7	---	1.2	0.00	---
TOTAL	0.00	---	---	---	---	---	67.20	96.4	113.6	98.55	99.40	0.00
MEAN	0.00	---	---	---	---	---	2.24	3.11	3.79	3.18	3.21	0.00
MAX	0.00	---	---	---	---	---	2.9	5.5	5.2	8.4	13	0.00
MIN	0.00	---	---	---	---	---	0.00	1.1	2.1	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	133	191	225	195	197	0.00

e Estimated

09442960 W.S. DITCH NEAR GLENWOOD, NM

LOCATION.--Lat 33°24'40", long 108°54'59", in SE ¼ NE ¼ NW ¼, sec.29, T.10 S., R.20 W., Catron County, Hydrologic Unit 15040004, on left bank 2.0 mi northwest of Alma, and 7.0 mi north of Glenwood.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 4,650 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	1.6	---	---	---	---	0.00	9.8	8.0	4.4	8.9	6.6
2	5.6	1.4	---	---	---	---	0.00	8.4	8.1	3.7	9.1	6.1
3	5.3	1.4	---	---	---	---	0.00	5.7	8.6	3.5	7.2	0.03
4	5.6	---	---	---	---	---	0.00	5.8	6.4	3.5	7.4	1.8
5	5.9	---	---	---	---	---	0.00	8.7	6.1	3.3	8.7	3.1
6	6.0	---	---	---	---	---	0.00	11	6.2	3.4	9.4	2.3
7	6.1	---	---	---	---	---	0.75	8.9	6.2	3.4	7.1	2.3
8	6.4	---	---	---	---	---	3.7	8.2	6.5	3.5	6.8	2.2
9	6.4	---	---	---	---	---	4.8	11	5.4	3.4	9.6	1.9
10	6.9	---	---	---	---	---	6.6	9.9	4.5	3.5	9.4	1.8
11	7.4	---	---	---	---	---	7.5	8.2	4.6	3.6	7.0	1.7
12	7.4	---	---	---	---	---	7.5	6.6	4.7	3.8	0.50	1.5
13	7.3	---	---	---	---	---	7.3	6.6	5.1	3.9	0.43	1.5
14	7.5	---	---	---	---	---	8.5	9.1	5.0	4.5	3.5	1.7
15	8.1	---	---	---	---	---	11	12	5.1	4.7	0.62	1.8
16	7.9	---	---	---	---	---	12	9.7	5.1	5.5	0.53	3.1
17	7.8	---	---	---	---	---	12	8.7	4.6	5.4	0.48	4.2
18	5.5	---	---	---	---	0.00	13	9.7	5.1	6.3	0.35	4.5
19	4.7	---	---	---	---	0.00	10	9.2	5.1	10	0.38	5.4
20	4.7	---	---	---	---	0.00	7.2	7.5	4.7	6.7	2.9	6.7
21	4.5	---	---	---	---	0.00	9.1	8.0	5.3	6.1	2.3	7.8
22	4.2	---	---	---	---	0.00	9.7	9.5	7.0	5.7	2.3	5.4
23	3.8	---	---	---	---	0.00	9.4	9.9	6.7	4.3	2.3	4.6
24	5.1	---	---	---	---	0.00	11	9.9	6.8	4.6	2.3	4.9
25	9.4	---	---	---	---	0.00	11	9.1	6.8	5.1	2.3	4.8
26	7.8	---	---	---	---	0.00	11	6.6	6.7	4.5	5.0	4.7
27	5.0	---	---	---	---	0.00	12	6.9	6.3	4.4	7.8	4.2
28	2.7	---	---	---	---	0.00	11	8.5	6.1	5.2	7.0	3.5
29	1.2	---	---	---	---	0.00	9.0	10	5.8	9.6	6.7	2.3
30	1.1	---	---	---	---	0.00	10	8.9	5.4	10	6.4	3.7
31	1.4	---	---	---	---	0.00	---	8.1	---	9.4	6.0	---
TOTAL	172.3	---	---	---	---	---	215.05	270.1	178.0	158.9	150.69	106.13
MEAN	5.56	---	---	---	---	---	7.17	8.71	5.93	5.13	4.86	3.54
MAX	9.4	---	---	---	---	---	13	12	8.6	10	9.6	7.8
MIN	1.1	---	---	---	---	---	0.00	5.7	4.5	3.3	0.35	0.03
AC-FT	342	---	---	---	---	---	427	536	353	315	299	211

09443900 FISH POND DITCH ABOVE HATCHERY AT GLENWOOD, NM

LOCATION.--Lat 33°19'21", long 108°52'38", in NW ¼ NE ¼ NW ¼ sec.26, T.11 S., R.20 W., Catron County, Hydrologic Unit 15040004, on right bank at the New Mexico Glenwood Fish Hatchery, in Glenwood.

PERIOD OF RECORD.--May 2002 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 4,710 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	3.8	---	---	---	---	3.4	3.6	3.0	3.9	2.1	3.8
2	2.1	3.8	---	---	---	---	3.3	3.5	3.0	3.9	2.2	4.0
3	2.3	---	---	---	---	---	3.3	3.5	3.0	3.9	2.2	3.9
4	2.4	---	---	---	---	---	3.3	3.5	3.0	3.9	2.4	3.9
5	2.5	---	---	---	---	---	3.4	3.5	3.1	3.9	2.5	3.9
6	2.5	---	---	---	---	---	3.4	3.5	3.1	3.9	2.4	3.8
7	2.5	---	---	---	---	---	3.4	3.5	3.1	4.1	2.7	3.8
8	2.7	---	---	---	---	---	3.3	3.4	3.1	4.1	2.8	3.8
9	3.0	---	---	---	---	---	3.4	3.4	3.2	4.1	2.4	3.7
10	3.1	---	---	---	---	---	3.4	3.5	3.2	4.0	2.1	3.7
11	3.2	---	---	---	---	---	3.4	3.5	3.2	3.9	2.1	3.7
12	3.4	---	---	---	---	---	3.4	3.4	3.3	3.8	2.3	3.7
13	3.6	---	---	---	---	---	3.5	3.4	3.3	3.7	2.5	3.6
14	3.8	---	---	---	---	---	3.5	3.4	3.3	3.5	2.7	3.6
15	3.9	---	---	---	---	---	3.5	3.4	3.4	3.4	2.7	3.6
16	4.0	---	---	---	---	---	3.6	3.4	3.4	3.2	2.7	3.6
17	4.1	---	---	---	---	---	3.7	3.4	3.4	2.9	2.8	3.5
18	4.2	---	---	---	---	3.4	3.7	3.4	3.5	2.7	2.9	3.5
19	4.0	---	---	---	---	3.4	3.5	3.4	3.5	2.6	2.9	3.5
20	3.9	---	---	---	---	3.4	3.4	3.4	3.5	2.3	2.9	3.5
21	4.0	---	---	---	---	3.4	3.4	3.4	3.5	2.1	3.0	3.5
22	4.1	---	---	---	---	3.3	3.5	3.3	3.6	1.9	3.2	3.5
23	4.0	---	---	---	---	3.3	3.4	3.3	3.6	1.7	3.7	3.5
24	4.0	---	---	---	---	3.3	3.5	3.3	3.6	1.6	3.7	3.5
25	4.3	---	---	---	---	3.3	3.5	3.5	3.6	1.8	3.6	3.5
26	4.4	---	---	---	---	3.3	3.5	3.4	3.7	2.0	3.6	3.5
27	3.9	---	---	---	---	3.3	3.4	3.3	3.7	2.1	3.5	3.5
28	3.9	---	---	---	---	3.3	3.4	3.2	3.8	2.0	3.6	3.5
29	3.9	---	---	---	---	3.4	3.5	3.1	3.9	2.0	3.6	3.6
30	3.9	---	---	---	---	3.4	3.6	3.1	3.8	2.1	3.7	3.6
31	3.9	---	---	---	---	3.4	---	3.0	---	2.1	3.7	---
TOTAL	107.6	---	---	---	---	---	103.5	104.9	101.4	93.1	89.2	109.3
MEAN	3.47	---	---	---	---	---	3.45	3.38	3.38	3.00	2.88	3.64
MAX	4.4	---	---	---	---	---	3.7	3.6	3.9	4.1	3.7	4.0
MIN	2.1	---	---	---	---	---	3.3	3.0	3.0	1.6	2.1	3.5
AC-FT	213	---	---	---	---	---	205	208	201	185	177	217

09443938 EAST PLEASANTON DITCH NEAR GLENWOOD, NM

LOCATION.--Lat 33°17'40", long 108°53'27", in SE ¼ SW ¼ SE ¼, sec.34, T.5 S., R.20 W., Catron County, Hydrologic Unit 15040004, on right bank 50 ft from heading gate, on San Francisco River, and 1.5 mi south of Glenwood.

PERIOD OF RECORD.--October 1999 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 4,650 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for those estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	10	---	---	---	---	9.3	8.0	10	7.4	7.2	7.9
2	5.9	10	---	---	---	---	9.3	8.8	11	7.9	7.2	8.3
3	6.0	11	---	---	---	---	9.3	8.7	11	8.8	7.0	8.7
4	6.0	---	---	---	---	---	9.4	8.8	11	8.7	7.2	8.2
5	6.1	---	---	---	---	---	9.3	9.0	10	8.3	7.4	8.3
6	6.3	---	---	---	---	---	9.5	9.2	9.9	8.2	7.3	8.3
7	6.0	---	---	---	---	---	9.5	9.3	9.9	8.3	7.3	8.4
8	5.2	---	---	---	---	---	9.6	9.4	9.7	8.1	7.6	8.6
9	5.7	---	---	---	---	---	9.9	9.3	9.6	8.2	6.7	8.3
10	6.1	---	---	---	---	---	10	9.2	9.9	8.1	6.6	8.2
11	7.5	---	---	---	---	---	10	9.3	9.7	8.1	7.3	8.5
12	7.0	---	---	---	---	---	9.7	9.4	9.6	7.8	8.1	8.3
13	6.2	---	---	---	---	---	9.8	9.5	9.6	7.8	7.8	8.3
14	8.0	---	---	---	---	---	9.7	9.5	9.7	e8.2	7.9	8.2
15	9.1	---	---	---	---	---	9.8	9.5	9.6	e7.8	8.0	8.2
16	8.0	---	---	---	---	---	10	9.8	9.7	7.7	7.9	8.3
17	8.9	---	---	---	---	---	10	10	9.6	7.6	8.0	8.4
18	9.8	---	---	---	---	11	10	10	9.6	7.3	7.8	8.4
19	10	---	---	---	---	10	10	10	8.8	7.4	7.6	8.4
20	10	---	---	---	---	10	9.7	10	8.4	7.3	7.4	8.4
21	10	---	---	---	---	9.9	9.6	10	8.5	6.9	6.7	8.4
22	10	---	---	---	---	9.9	9.1	10	8.5	6.5	7.6	8.6
23	10	---	---	---	---	9.9	8.9	10	8.6	5.8	9.5	8.6
24	10	---	---	---	---	9.7	9.2	10	8.6	6.8	8.7	8.7
25	10	---	---	---	---	9.7	9.4	10	8.4	6.9	8.3	8.7
26	11	---	---	---	---	9.7	9.1	10	8.3	7.2	7.9	8.6
27	11	---	---	---	---	10	8.9	10	8.3	8.0	7.9	8.7
28	10	---	---	---	---	9.6	8.4	10	8.4	8.0	7.9	8.8
29	10	---	---	---	---	9.6	8.0	10	7.9	7.4	7.9	8.8
30	10	---	---	---	---	9.5	7.6	11	7.7	7.4	7.8	8.9
31	10	---	---	---	---	9.3	---	11	---	7.3	7.8	---
TOTAL	255.8	---	---	---	---	---	282.0	298.7	279.5	237.2	237.3	253.4
MEAN	8.25	---	---	---	---	---	9.40	9.64	9.32	7.65	7.65	8.45
MAX	11	---	---	---	---	---	10	11	11	8.8	9.5	8.9
MIN	5.2	---	---	---	---	---	7.6	8.0	7.7	5.8	6.6	7.9
AC-FT	507	---	---	---	---	---	559	592	554	470	471	503

e Estimated

09444000 SAN FRANCISCO RIVER NEAR GLENWOOD, NM

LOCATION.--Lat 33°14'48", long 108°52'49", in NE ¼ NW ¼ sec.23, T.12 S., R.20 W., Catron County, Hydrologic Unit 15040004, on left bank 0.2 mi upstream from hot springs, 5 mi south of Glenwood, 6 mi downstream from White Water Creek, and at mile 511.5.

DRAINAGE AREA.--1,653 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1213: 1931, 1934, 1936-37, 1940-42, 1943-44(M), 1945-47. WSP 1283: drainage area. WDR NM-78-1: 1977. WDR NM-79-1: 1973, 1975-77(P).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,560 ft above NGVD of 1929, from topographic map. Prior to Feb. 15, 1934, at site 4.5 mi upstream at datum 98.82 ft higher.

REMARKS.--Records good. Diversions for irrigation of about 2,000 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods probably occurred Jan. 19 and Oct. 14, 1916, when discharges of 60,000 ft³/s or greater were computed for station at Clifton, AZ. On Nov. 26, 1905, a peak of 25,000 ft³/s was measured (by float-area method) at station at Alma (about 12 mi upstream, drainage area 1,560 mi²). A similar measurement of 21,000 ft³/s was made at the Alma station for peak of Dec. 3, 1906.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	29	27	148	134	456	138	107	46	22	17	18
2	24	29	27	105	125	405	134	103	41	23	17	36
3	24	28	28	113	118	359	130	100	38	22	18	97
4	23	27	28	2,210	114	316	131	97	37	22	16	43
5	23	25	30	1,360	113	282	128	98	34	20	22	46
6	23	26	33	522	113	305	132	101	34	19	24	38
7	22	27	30	312	114	326	135	104	35	19	37	39
8	22	26	30	239	119	349	135	98	32	18	47	48
9	22	24	30	194	116	355	147	90	31	19	23	39
10	22	24	30	164	114	335	155	85	31	20	20	33
11	23	23	30	149	883	318	150	85	31	18	27	40
12	22	24	28	150	5,310	312	138	82	29	19	52	38
13	20	25	29	140	2,620	319	130	76	29	19	44	34
14	23	26	29	127	1,100	323	128	72	29	20	51	29
15	23	27	29	116	744	315	132	70	29	19	56	28
16	22	28	29	108	585	298	143	73	30	21	50	30
17	22	27	27	103	514	277	160	78	28	19	50	25
18	23	28	30	98	722	250	176	77	28	19	43	25
19	23	28	31	94	2,110	228	176	73	29	17	38	24
20	21	27	30	92	3,480	212	163	74	28	15	34	24
21	21	26	30	92	2,230	199	151	79	26	15	27	22
22	23	29	32	93	1,320	188	136	81	26	16	41	24
23	25	32	31	93	1,060	177	128	78	27	15	138	26
24	26	30	30	94	892	164	151	73	27	18	76	25
25	25	28	30	95	735	159	171	68	26	20	51	24
26	33	27	30	101	625	156	158	62	26	16	31	23
27	40	27	30	129	563	153	144	58	25	43	23	23
28	31	27	30	166	516	154	131	58	25	53	20	25
29	30	27	33	162	---	151	121	59	24	23	19	24
30	28	27	391	154	---	147	113	57	24	19	18	24
31	29	---	307	144	---	143	---	52	---	17	17	---
TOTAL	763	808	1,559	7,867	27,189	8,131	4,265	2,468	905	645	1,147	974
MEAN	24.6	26.9	50.3	254	971	262	142	79.6	30.2	20.8	37.0	32.5
MAX	40	32	391	2,210	5,310	456	176	107	46	53	138	97
MIN	20	23	27	92	113	143	113	52	24	15	16	18
AC-FT	1,510	1,600	3,090	15,600	53,930	16,130	8,460	4,900	1,800	1,280	2,280	1,930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

MEAN	86.6	52.8	83.1	97.8	133	190	141	74.0	28.2	36.3	74.3	60.5
MAX	2,026	520	1,068	1,568	1,034	1,036	1,049	593	146	108	392	368
(WY)	(1984)	(1979)	(1979)	(1993)	(1993)	(1985)	(1973)	(1973)	(1992)	(1930)	(1957)	(1988)
MIN	9.77	10.8	12.9	13.5	14.9	11.3	10.3	8.65	5.70	13.2	13.7	7.66
(WY)	(1966)	(1957)	(1954)	(1956)	(1956)	(1959)	(1957)	(1956)	(1956)	(1963)	(1960)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1928 - 2005

ANNUAL TOTAL	13,973	56,721	
ANNUAL MEAN	38.2	155	
HIGHEST ANNUAL MEAN			87.9
LOWEST ANNUAL MEAN			351
HIGHEST DAILY MEAN	391	Dec 30	5,310
LOWEST DAILY MEAN	11	Jul 21	15
ANNUAL SEVEN-DAY MINIMUM	13	Jul 17	16
MAXIMUM PEAK FLOW			8,480
MAXIMUM PEAK STAGE			12.76
INSTANTANEOUS LOW FLOW			14
ANNUAL RUNOFF (AC-FT)	27,720	112,500	63,710
10 PERCENT EXCEEDS	68	309	169
50 PERCENT EXCEEDS	26	37	31
90 PERCENT EXCEEDS	17	21	15

a From rating curve extended above 4,200 ft³/s, on basis of slope-area measurement at gage heights 10.74 ft, 15.60 ft, and 20.80 ft.

b 20.80 ft outside floodmarks.

09444000 SAN FRANCISCO RIVER NEAR GLENWOOD, NM—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-85, 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
APR 11...	1700	148	3.1	644	8.6	105	8.4	268	21.0	16.5	100	29.3	7.17
MAY 17...	0845	76	3.8	642	8.0	90	8.0	209	21.0	13.0	88	24.7	6.38

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Carbonate, wat fltr incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
APR 11...	1.64	.7	16.0	117	139	2	4.35	.3	32.3	10.4	172	.10	.14
MAY 17...	1.47	.7	14.3	106	128	--	3.73	.3	31.2	7.5	153	E.09	E.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)
APR 11...	<.04	<.100	E.04	<.008	.05	.059	.100	4	E.12	E1	11	<.06	15
MAY 17...	<.04	E.051	.06	<.008	.04	.050	.072	32	<.20	E1	8	<.06	15

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Selenium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)
APR 11...	<.04	<.8	.128	.8	<6	<.08	6.3	E.01	.5	1.50	<3	<3	<.2
MAY 17...	<.04	<.8	.121	.9	E5	<.08	9.4	.01	E.4	.22	<3	<3	<.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Suspended sedi-ment concentration mg/L (80154)
APR 11...	E.4	1.08	36	37
MAY 17...	.8	.94	79	14

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

Because the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in flood-flow analyses. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in the second table.

Crest-stage partial-record stations

The following table contains annual maximum discharge for crest-stage stations. A crest-stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each year is given. Information on some lower floods may have been obtained, and discharge measurements made for purposes of establishing the stage-discharge relation, but these are not published herein. The year given in the period of record column represents the first year of a period extending through the current year unless otherwise noted. For some stations, publication of discharge is delayed pending definition of stage-discharge relationship. Published maximums are for water years.

Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2004			Period of record		
			Date	Gage height (ft)	Maximum discharge (ft ³ /s)	Date	Gage height (ft)	Maximum discharge (ft ³ /s)
ARKANSAS RIVER BASIN								
Carrizozo Creek near Kenton, OK (07154400)	Lat 36°52'55", long 103°01'05", Union County, Hydrologic Unit 11040001, under bridge on New Mexico State Highway 406, 4 mi southwest of Kenton, OK. Drainage area is 111 mi ² .	1953-	08-21-04	5.47	2,000	07-06-58	12.22	15,600
Raton Creek at Raton (07201000)	Lat 36°54'21", long 104°26'09", Colfax County, Hydrologic Unit 11080001, 60 ft upstream from bridge on State Highway 72 at Raton. Drainage area is 14.4 mi ² .	1953-96 ^g 1999-	08-06-04 - -03 06-14-02	6.78 ^h 1.17 ^h 1.98	2,240 ^h <205 ^h 500	06-17-65	14.80	3,990
Chicorica Creek tributary near Raton (07201200)	Lat 36°49'41", long 104°19'58", Colfax County, Hydrologic Unit 11080001, upstream from culvert on U.S. Highway 64-87, 7.7 mi southeast of Raton. Drainage area is 5.18 mi ² .	1971-96 ^g 1997-	08-06-04	5.66	131	08-25-82	18.30	1,340
Clear Creek near Ute Park (07206400)	Lat 36°31'35", long 105°10'30", Colfax County, Hydrologic Unit 11080002, 0.25 mi upstream from mouth, and 4 mi southwest of Ute Park. Drainage area is 7.44 mi ² .	1962-67* 1968-96 ^g 1999-	09-20-04	1.86	22	06-18-65	3.05	151
Dog Creek near Shoemaker (07220900)	Lat 35°49'32", long 104°53'28", Mora County, Hydrologic Unit 11080004, 0.5 mi upstream from Valmora-Shoemaker Road, and 1.8 mi northwest of Shoemaker. Drainage area is 18.4 mi ² .	1954-95 ^g 1999-	09-19-04 09-03-03	8.91 7.98	1,250 ^h 680	07-08-82	14.90	7,180
Lagartija Creek tributary near Sanchez (07221600)	Lat 35°39'21", long 104°24'57", San Miguel County, Hydrologic Unit 11080003, at bridge on State Highway 419, 0.9 mi northeast of Sanchez. Drainage area is 1.19 mi ² .	1961-96 ^g 1999-	09-19-04	2.45	¹⁹⁰	05-11-94	5.83	1,500
Trementina Creek at Trementina (07222300)	Lat 35°29'28", long 104°24'59", San Miguel County, Hydrologic Unit 11080005, at bridge on State Highway 419, at Trementina. Drainage area is 63.9 mi ² .	1959-	09-19-04	2.49	550	09-11-65	12.00	14,100
Garita Creek tributary near Variadero (07222800)	Lat 35°20'10", long 104°21'50", San Miguel County, Hydrologic Unit 11080005, 1.2 mi upstream from mouth, and 6.3 mi southeast of Variadero. Drainage area is 12.0 mi ² .	1971-96 ^g 1999-	06-20-04	11.95	1,760	08-29-77	17.37	7,020
Pajarito Creek at Newkirk (07225000)	Lat 35°04'20", long 104°14'50", Guadalupe County, downstream side of bridge on U.S. Highway 66, 1 mi east of Newkirk. Drainage area is 55.0 mi ² .	1954-95 ^g 1999-	10-07-03	8.19	3,280	07-16-81	8.01	3,500
Bluewater Creek near Tucumcari (07225300)	Lat 35°08'31", long 103°47'32", Quay County, in Tucumcari Metropolitan Park, 1,600 ft north of the park's southern boundary, and 4.8 mi southwest of Tucumcari. Drainage area is 15.2 mi ² .	1971-96 ^g 1999-	09-22-04 ^h 05-01-99	9.80 ^h 11.35	891 ^h 1,740	08-11-81	12.71	^c 2,350
Bueyeros Creek at Bueyeros (07226200)	Lat 35°58'10", long 103°41'05", Harding County, on right upstream wingwall of culvert on State Road 102 at Bueyeros. Drainage area is ^a 34.0 mi ² .	1957-96 ^g 1999-	- -04	<3.50	<208	08-11-81	3.65	1,150

Station name and number	Location and drainage area	Period of record	Water year 2004			Period of record		
			Date	Gage height (ft)	Maximum discharge (ft ³ /s)	Date	Gage height (ft)	Maximum discharge (ft ³ /s)
ARKANSAS RIVER BASIN--Continued								
Carrizo Creek near Roy (07226300)	Lat 36°02'58", long 103°57'48", Harding County, Hydrologic Unit 11080007, 800 ft downstream from State Highway 120, and 15 mi northeast of Roy. Drainage area is ^a 68 mi ² .	1954-	09-19-04	4.39	482	08-11-81	ⁿ 7.11	ⁿ 1,800
Plaza Largo Creek tributary near Ragland (07227050)	Lat 34°48'29", long 103°45'35", Quay County, Hydrologic Unit 11080008, at culvert on State Highway 209, 1.2 mi northwest of Ragland. Drainage area is 0.36 mi ² .	1952-96 ^g 1999-	09-22-04	5.69	535	07-16-58	12.70	1,170
Tramperos Creek near Stead (07227200)	Lat 36°04'15", long 103°12'10", in NW 1/2 NW 1/2 sec.10, T.21 N., R.35 E., Union County, Hydrologic Unit 11090102, at bridge on State Highway 402, 2.1 mi south of Stead, and 26 mi south of Clayton. Drainage area is ^a 556 mi ² .	1966-73* 1974-	08-14-04	^d 9.10	3,150	10-17-65	16.5	12,300
Sand Draw near Clayton (07227300)	Lat 36°20'30", long 103°11'30", Union County, Hydrologic Unit 11090103, on downstream side of bridge on State Highway 402, 7.5 mi south of Clayton. Drainage area is ^a 42.0 mi ² .	1953-96 ^g 1999-	08-14-04	7.00	5,290	06--53	8.85	10,300
BRAZOS RIVER BASIN								
Running Water Draw near Clovis (08080600)	Lat 34°31'50", long 103°11'59", Curry County, Hydrologic Unit 12050005, 0.25 mi upstream from State Highway 209, and 8 mi north of Clovis. Drainage area is 109 mi ² .	1953-56, 1957-64* 1965-	10-08-03	3.68	669	07-24-72	---	8,000
RIO GRANDE BASIN								
Canjilon Creek above Abiquiu Reservoir (08286650)	Lat 36°18'55", long 106°29'05", Rio Arriba County, Hydrologic Unit 13020102, in Piedra Lumbre Grant, 300 ft upstream from bridge on U.S. Highway 84, 0.2 mi northwest of entrance to Ghost Ranch, and about 12 mi northwest of Abiquiu. Drainage area is 144 mi ² .	1965-	04-08-04	3.53	321	07-07-98	^d 11.56	4,620
Arroyo Seco tributary near Pojoaque (08293700)	Lat 35°56'33", long 106°01'12", Santa Fe County, Hydrologic Unit 13020101, upstream from culvert on U.S. Highway 84-285, 3.5 mi north of Pojoaque. Drainage area is 0.72 mi ² .	1971-96 ^g 1999-	04-09-04 - -03	5.02 ^h <4.68	1 ^h <0.5	07-28-74	10.62	508
Rito de los Frijoles in Bandelier National Monument (08313350)	Lat 35°46'35", long 106°16'06", Sandoval County, Hydrologic Unit 13020201, in Bandelier National Monument, on right bank 800 ft downstream from Monument Headquarters, 6.5 mi south of Los Alamos, and 18.5 mi northwest of Santa Fe. Drainage area is 17.5 mi ² .	1963-69 1977-	09-26-04	2.53	42	07-21-78	6.34	^q 3,030
Bland Canyon near Cochiti Pueblo (08313400)	Lat 35°42'11", long 106°24'56", Sandoval County, Hydrologic Unit 13020201, 200 ft south of Forest Service Road, 0.3 mi inside Santa Fe National Forest, and 7.5 mi north of Cochiti Pueblo. Drainage area is 7.57 mi ² .	1962-	11-13-04	1.54	13	ⁿ 08- -77	ⁿ 3.73	ⁿ 300
Galisteo Creek at Canoncito (08317500)	Lat 35°33'02", long 105°49'20", Santa Fe County, Hydrologic Unit 13020201, upstream from railroad bridge, 0.2 mi upstream from Apache Canyon at Canoncito. Drainage area is 11.3 mi ² .	1955-56 1959-95 ^g 1999-	03-05-04	3.85	278	08-23-66	5.35	2,000
San Cristobal Arroyo near Galisteo (08317600)	Lat 35°22'55", long 105°51'05", Santa Fe County, Hydrologic Unit 13020201, at bridge on U.S. Highway 285, 5.5 mi east of Galisteo. Drainage area is 116 mi ² .	1955-	04-03-04	6.29	1,590	08-09-99	17.75	13,200
San Pedro Creek near Golden (08318900)	Lat 35°13'45", long 106°18'00", Sandoval County, Hydrologic Unit 13020201, 1 mi downstream from bridge on State Highway 14, and 5.5 mi southwest of Golden. Drainage area is 45.2 mi ² .	1953-	07-22-04	0.27	254	09-24-55	ⁿ 12.95	10,800

Station name and number	Location and drainage area	Period of record	Water year 2004			Period of record		
			Date	Gage height (ft)	Maximum discharge (ft ³ /s)	Date	Gage height (ft)	Maximum discharge (ft ³ /s)
RIO GRANDE BASIN--Continued								
Juan Toro Canyon near Miera (08330400)	Lat 35°00'57", long 106°20'14", Bernalillo County, Hydrologic Unit 13020203, 150 ft east of State Highway 337, 1 mi southeast of Cedro, and 4.5 mi northwest of Miera. Drainage area is 1.57 mi ² .	1959-96 ^g 1999-	- -04	<0.93	<15	07-20-71	1.33	44
Tijeras Arroyo at Albuquerque (08330500)	Lat 35°03'40", long 106°28'40", Bernalillo County, Hydrologic Unit 13020203, 300 ft south of old U.S. Highway 66, and 0.4 mi southeast of city limits of Albuquerque. Drainage area is 75.3 mi ² .	1943-48* 1958-	- -04	<1.83	<110	06-24-67	6.85	6,500
Canada Montoso near Scholle (08331650)	Lat 34°24'20", long 106°28'52", Socorro County, Hydrologic Unit 13020203, 130 ft upstream from dip on abandoned highway, 500 ft upstream from bridge on U.S. Highway 60, and 3.6 mi southwest of Scholle. Drainage area is ^a 35 mi ² .	1961-	07-12-04	1.91	230	^a 07-31-97	^a 7.47	^a 5,600
Rio Puerco at Cuba (08332525)	Lat 36°00'38", long 106°58'48", Sandoval County, Hydrologic Unit 13020204, on downstream side of bridge on State Road 197, 0.5 mi southwest of State Highway 44, and 1.0 mi southwest of Cuba.	1997-	04-03-04	5.60	170	06-06-97	11.04	2,730
Pine Canyon near Thoreau (08341370)	Lat 35°18'34", long 108°10'14", McKinley County, Hydrologic Unit 13020207, about 1 mi southwest of the north end of Bluewater Lake, and about 7 mi southeast of Thoreau. Drainage area is 6.09 mi ² .	1969-96 ^g 1999-	07-27-04	1.49	3	08-27-93	3.56	195
La Jencia Creek near Magdalena (08353500)	Lat 34°09'45", long 107°12'35", Socorro County, Hydrologic Unit 13020209, 3.5 mi northeast of Magdalena. Drainage area is 195 mi ² .	1957- 1961-96 ^g 1999-	07-23-04	1.18	249	07-08-98	11.36	4,950
Chupadera Wash tributary at Bingham (08358600)	Lat 33°51'39", long 106°22'06", Socorro County, Hydrologic Unit 13020210, 75 ft upstream from culvert on U.S. Highway 380, and 0.1 mi west of Bingham. Drainage area is 1.29 mi ² .	1961-96 ^g 1999-	08-04-04	1.31	113	09-10-80	4.75	620
San Jose Arroyo near Monticello (08359300)	Lat 33°28'05", long 107°14'30", Sierra County, Hydrologic Unit 13020211, at head of box canyon just downstream from major tributary, 800 ft downstream from culvert on old U.S. Highway 85, and 13 mi northeast of Monticello. Drainage area is 26.9 mi ² .	1959-96 ^g 1999-	- -04	<1.51	<910	06-10-88	6.09	5,070
Alamosa Creek near Monticello (08360000)	Lat 33°34'09", long 107°35'33", Socorro County, Hydrologic Unit 13020211, on left bank at Alamosa damsite and downstream from Old Fort Ojo Caliente, just downstream from Wildhorse Creek, 15 mi northwest of Monticello. Drainage area is 403 mi ² .	1931-42* 1956-58 1958-71* 1973-95 ^g 1997-	04-12-04	5.08	1,120	08-13-64	14.04	10,800
Percha Creek near Hillsboro (08361700)	Lat 32°54'55", long 107°36'05", Sierra County, 150 ft south of State Highway 180, and 2 mi west of Hillsboro. Drainage area is 35.4 mi ² .	1957-78 ^g 1980-	08-17-04	3.11	510	08-06-99	^d 14.0	19,900
Aleman Draw at Aleman (08363200)	Lat 33°00'00", long 107°00'20", Sierra County, Hydrologic Unit 13030103, on Santa Fe Railroad bridge, 140 ft upstream from dip on Engle-Rincon Road, and 0.26 mi west of Aleman. Drainage area is 25.5 mi ² .	1959-96 ^g 1999-	08-17-04	6.60	2,150	08-07-67	19.10	16,400
Tecolote Creek at Tecolote (08379300)	Lat 35°27'20", long 105°16'55", San Miguel County, Hydrologic Unit 13060001, on bridge on old U.S. Highway 85 at Tecolote. Drainage area is 122 mi ² .	1954-	- -04	<1.83	<1	ⁿ 06-01-37	---	ⁿ 20,000

Station name and number	Location and drainage area	Period of record	Water year 2004			Period of record		
			Date	Gage height (ft)	Maximum discharge (ft ³ /s)	Date	Gage height (ft)	Maximum discharge (ft ³ /s)
RIO GRANDE BASIN--Continued								
Sandoval Canyon at Gallinas (08380300)	Lat 35°41'13", long 105°21'30", San Miguel County, Hydrologic Unit 13060001, about 500 ft upstream from culvert on State Highway 65, at north edge of Gallinas. Drainage area is 7.60 mi ² .	1957-96 ^g 1999-	06-18-04	2.33	262	08-01-66	5.26	2,530
Pintada Arroyo near Santa Rosa (08383300)	Lat 34°53'20", long 104°43'50", Guadalupe County, at bridge on U.S. Highway 54, and 4.5 mi southwest of Santa Rosa. Drainage area is 896 mi ² .	1959-86 ^g 1996-	07-25-04	---	(m)	06-26-96	12.97	5,000
Pecos River tributary near Puerto de Luna (08383370)	Lat 34°52'35", long 104°38'15", Guadalupe County, Hydrologic Unit 13060001, 25 ft upstream from culvert on State Highway 91, and 3.1 mi north of Puerto de Luna. Drainage area is 0.37 mi ² .	1961-96 ^g 1999-	07-24-04	---	(m)	08-23-87	15.89	2,000
Alamosa Creek tributary near Jordan (08385530)	Lat 34°47'43", long 103°58'07", Quay County, Hydrologic Unit 13060004, 500 ft upstream from dip on State Highway 156, and 6.9 mi west of Jordan. Drainage area is 9.71 mi ² .	1962-96 ^g 1999-	04-03-04	1.59	9	07-11-72	6.86	2,850
Yeso Creek near Fort Sumner (08385600)	Lat 34°16'32", long 104°17'28", DeBaca County, Hydrologic Unit 13060003, at abandoned bridge 1 mi downstream from State Highway 20, and 14.5 mi south of Fort Sumner. Drainage area is 242 mi ² .	1937-95 ^g 1997-	04-04-04	7.95	7,290	04-30-99	14.24	22,900
Aragon Creek tributary near Encinoso (08385670)	Lat 33°43'35", long 105°31'43", Lincoln County, Hydrologic Unit 13060005, 0.3 mi upstream from wooden bridge on dirt road, 1.2 mi north of State Highway 246, and 4.3 mi west of Encinoso. Drainage area is 6.07 mi ² .	1961-96 ^g 1999-	07-21-04	3.66	397	09-06-61	5.10	1,610
Rio Bonito near Fort Stanton (08389000)	Lat 33°31'05", long 105°29'10", Lincoln County, Hydrologic Unit 13060008, on left bank 130 ft upstream from culvert on U.S. Highway 380, 2.5 mi northeast of Fort Stanton. Drainage area is 985 mi ² .	1955-95, 1997-	07-21-04	4.71	659	05-17-79	7.20	4,100
Rio Hondo tributary at Tinnie (08390050)	Lat 33°22'36", long 105°13'01", Lincoln County, Hydrologic Unit 13060008, upstream from culvert on U.S. Highway 70-380, 0.5 mi east of junction of U.S. Highway 70-380 and State Highway 368, and at Tinnie. Drainage area is 0.23 mi ² .	1971-96 ^g 1999-	04-04-04	2.80	73	09-07-72	10.80	420
Gallo Canyon near Picacho (08390150)	Lat 33°17'23", long 105°10'49", Lincoln County, Hydrologic Unit 13060009, 500 ft east of road, 5 mi south of Picacho. Drainage area is 1.32 mi ² .	1962-96 ^g 1999-	04-04-04	5.06	242	09-13-96	10.38	3,600
Pancho Canyon near Arabela (08393700)	Lat 33°30'36", long 105°11'38", Lincoln County, Hydrologic Unit 13060008, 200 ft downstream from dip on State Highway 368, and 5.6 mi south of Arabela. Drainage area is 16.7 mi ² .	1962-96 ^g 1999-	04-04-04	<4.59	<29	06-14-02	11.81	3,390
Eight Mile Draw near Roswell (08393900)	Lat 33°24'05", long 104°37'54", Chaves County, Hydrologic Unit 13060008, 6.5 mi west of Roswell. Drainage area is 397 mi ² .	1941 1952-	04-04-04	14.54	1,490	07-13-91	17.80	10,300
Twin Butte Canyon tributary near Roswell (08394300)	Lat 33°10'34", long 104°51'30", Chaves County, Hydrologic Unit 13060009, about 0.1 mi upstream from mouth, and about 22 mi southwest of Roswell. Drainage area is 5.01 mi ² .	1968-96 ^g 1999-	04-04-04	3.41	213	09-08-95	9.60	5,900
Mosley Canyon near Whites City (08405100)	Lat 32°15'27", long 104°22'43", Eddy County, Hydrologic Unit 13060011, 600 ft downstream from dip on Dark Canyon Road, and 5.5 mi north of Whites City. Drainage area is 14.6 mi ² .	1959-	07-26-04	8.45	4,030	05-30-65	13.70	16,400

Station name and number	Location and drainage area	Period of record	Water year 2004			Period of record		
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RIO GRANDE BASIN--Continued								
Antelope Draw near Jal (08436000)	Lat 32°09'18", long 103°21'51", Lea County, Hydrologic Unit 13070007, 0.4 mi south of State Highway 128, and 10.7 mi west of Jal. Drainage area is ^a 20 mi ² .	1963-96 ^g 1999-	06-19-04	3.27	432	07-30-94	4.85	530
MIMBRES BASIN								
Pinos Altos Creek at Silver City (08477590)	Lat 32°46'52", long 108°16'04", Grant County, Hydrologic Unit 13030202, downstream from U.S. Highway 180, in Silver City. Drainage area is 4.63 mi ² .	1958-96 ^g 1999-	07-26-04 - -03 - -02	1.15 ^h <1.00 ^h <1.00	135 ^h <94 ^h <94	09-13-99	5.55	6,500
Cameron Creek at Central (08478000)	Lat 32°47'38", long 108°08'58", Grant County, 0.5 mi upstream from culvert on U.S. Highway 260, at north edge of Central. Drainage area is 18.8 mi ² .	1954-95 ^g 1999-	08-18-04	4.44	1,130	08-29-59	7.30	2,200
Mimbres River at Deming (08478500)	Lat 32°16'59", long 107°45'39", Luna County, Hydrologic Unit 13030202, at culvert on U.S. Highway 180, at north end of Deming. Drainage area is 1,370 mi ² .	1954-79, 1983-	08-04-04	9.65	1,720	ⁿ 12-19-78	ⁿ 5.91	ⁿ 2,350
Seventy-Six Draw tributary near Waterloo (08478800)	Lat 31°56'34", long 107°44'38", Luna County, Hydrologic Unit 13030202, upstream from culvert on State Road 11, 3.9 mi southeast of Waterloo, and 7.9 mi north of Columbus. Drainage area is 0.2 mi ² .	1967-96 ^g 1999-	08-18-04	3.83	77	06-27-00	8.20	290
TULAROSA BASIN								
White Oaks Canyon near Carrizozo (08480150)	Lat 33°43'51", long 105°50'11", Lincoln County, Hydrologic Unit 13050003, 100 ft upstream from culvert on U.S. Highway 54, 6 mi north of Carrizozo. Drainage area is 31 mi ² .	1959 1961-	08-08-04	3.26	1,230	07-26-59	14.30	7,690
Nogal Creek tributary near Nogal (08480170)	Lat 33°34'54", long 105°41'10", Lincoln County, Hydrologic Unit 13050003, upstream from culvert on U.S. Highway 380, about 2.0 mi west of Indian Divide, 7 mi northwest of Capitan, and 2 mi north of Nogal. Drainage area is 1.94 mi ² .	1968-96 ^g 1999-	08-04-04	2.87	7	08-10-77	8.45	655
Taylor Canyon tributary near Bingham (08480200)	Lat 33°48'11", long 106°12'00", Socorro County, Hydrologic Unit 13050003, 200 ft north of U.S. Highway 380, and 12 mi southeast of Bingham. Drainage area is 2.66 mi ² .	1961-96 ^g 1998-	08-04-04	1.50	24	08-12-61	2.39	551
Indian Creek near Three Rivers (08480700)	Lat 33°22'10", long 105°53'25", Otero County, Hydrologic Unit 13050003, 150 ft upstream from diversion dam, and 12 mi east of Three Rivers. Drainage area is 6.8 mi ² .	1956-58* 1959-96 ^g 1999-	09-30-04	7.95	965	07-14-91	12.08	3,000
Three Rivers at Three Rivers (08481000)	Lat 33°18'12", long 106°04'20", Otero County, Hydrologic Unit 13050003, on downstream side of bridge on State Highway 54, 1.3 mi south of Three Rivers. Drainage area is 96.0 mi ² .	1956-77 ^g 2000-	07-21-04	5.57	886	08-15-67	^p 7.50	15,000
ESTANCIA BASIN								
Juan Tomas Canyon near Edgewood (08488100)	Lat 35°04'35", long 106°13'46", Santa Fe County, Hydrologic Unit 13050001, 140 ft upstream from culvert on Interstate Highway 40, 2.5 mi northwest of Edgewood. Drainage area is ^a 20 mi ² .	1962-96 ^g 1999-	07-22-04	2.65	224	08-01-89	2.48	150
Canon de Torreon at Torreon (08488500)	Lat 34°43'22", long 106°17'52", Torrance County, Hydrologic Unit 13050001, at culvert on State Highway 55, in Torreon. Drainage area is 18.2 mi ² .	1954-96 ^g 1999-	06-30-04	1.38	124	08-09-67	4.23	4,310
Big Draw near Mountainair (08489000)	Lat 34°23'59", long 106°11'56", Torrance County, Hydrologic Unit 13050001, 0.25 mi upstream from culvert on State Highway 55, and 8.4 mi southeast of Mountainair. Drainage area is 3.90 mi ² .	1953-96 ^g 1999-	06-03-04	4.59	141	09-25-54	8.68	1,710

Station name and number	Location and drainage area	Period of record	Water year 2004			Period of record		
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SALT BASIN								
Fleming Draw near Pinon (08492500)	Lat 32°31'01", long 105°20'42", Otero County, Hydrologic Unit 13050004, 0.2 mi upstream from dip in ranch road, and 7.5 mi south of Pinon. Drainage area is 16.6 mi ² .	1959-96 ^g 1999-	07-26-04	6.50	2,380	- -69	8.75	5,800
SAN AGUSTIN PLAINS BASIN								
Swingle Canyon near Datil (08500000)	Lat 34°11'17", long 107°53'55", Catron County, Hydrologic Unit 13020208, 0.3 mi upstream from U.S. Highway 60, and 4.3 mi northwest of Datil. Drainage area is 6.35 mi ² .	1970-72 1976-96 ^g 1999-	- -04	---	(k)	07-16-66	5.73	900
SAN JUAN RIVER BASIN								
Ruben Canyon near Gobernador (09350700)	Lat 36°44'26", long 107°14'33", Rio Arriba County, Hydrologic Unit 14080101, in Carson National Forest, upstream from culvert on U.S. Highway 64, and 6.5 mi east of Gobernador. Drainage area is 5.06 mi ² .	1970-96 ^g 1999-	- -04	---	(k)	08-17-88	5.89	380
Vaqueros Canyon near Gobernador (09350800)	Lat 36°43'23", long 107°16'47", Rio Arriba County, Hydrologic Unit 14080101, 100 ft east of U.S. Highway 64, and 4.2 mi east of Gobernador. Drainage area is 60.5 mi ² .	1956-95 ^g 1999-	04-12-04	2.80	135	08-02-65	10.37	2,520
Gobernador Canyon near Gobernador (09355700)	Lat 36°41'05", long 107°25'10", Rio Arriba County, Hydrologic Unit 14080101, 0.2 mi south of U.S. Highway 64, and 4 mi southwest of Gobernador. Drainage area is 19.8 mi ² .	1956-96 ^g 1999-	04-05-04	1.14	78	08-06-63	9.30	3,450
Burro Canyon near Lindriith (09356520)	Lat 36°16'21", long 107°14'46", Rio Arriba County, Hydrologic Unit 14080103, upstream from culvert on State Highway 537, 11.5 mi west of Lindriith. Drainage area is 9.11 mi ² .	1970-96 ^g 1999-	- -04	---	(k)	06-29-81	10.87	725
Chaco Wash at Chaco Culture National Monument (09367680)	Lat 36°01'43", long 107°55'04", San Juan County, Hydrologic Unit 14080106, on downstream side of center bridge pier, 800 ft downstream from Fajada Wash, and 0.5 mi southwest of Chaco Culture National Historical Park Visitors Center. Drainage area is 578 mi ² .	1976-90* 1991-	- -04	<3.28	<340	09-02-88	8.55	1,920
Black Springs Wash near Mexican Springs (09367900)	Lat 35°45'40", long 108°49'00", McKinley County, Hydrologic Unit 14080106, 2.5 mi south of Mexican Springs, and 17 mi north of Gallup. Drainage area is 7.05 mi ² .	1954-78, 1979-82* 1983-96 ^g 1999-	07-27-04 h08-17-00 h07-26-99	2.92 h1.66 5.14	564 h142 2,250	01-21-99	--	2,250
Malpais Arroyo near Shiprock (09368020)	Lat 36°55'33", long 108°43'26", San Juan County, Hydrologic Unit 14080105, upstream from culvert on U.S. Highway 666, 8.3 mi north of Shiprock.	1980-96 ^g 1999-	09-20-04	1.36	141	09-13-93	2.44	295
LITTLE COLORADO RIVER BASIN								
Largo Creek near Quemado (09386100)	Lat 34°19'25", long 108°31'40", Catron County, Hydrologic Unit 15020003, on downstream side of bridge on ranch road, 2.5 mi southwest of Quemado. Drainage area is 151 mi ² .	1954-95 ^g 1999-	- -04	---	(k)	08-06-54	4.70	1,320
Galestena Canyon tributary near Black Rock (09387050)	Lat 34°58'45", long 108°40'00", McKinley County, Hydrologic Unit 15020004, 100 ft downstream from bridge on State Highway 36, and 10.5 mi southeast of Black Rock. Drainage area is ^a 19 mi ² .	1957-95 ^g 1999-	11-13-03	1.55	45	09-05-70	6.40	660
Milk Ranch Canyon near Fort Wingate (09395400)	Lat 35°25'55", long 108°33'30", McKinley County, Hydrologic Unit 15020006, 0.5 mi downstream from culvert on secondary road between Fort Wingate and McGaffey, and 3 mi south of Fort Wingate. Drainage area is 14.0 mi ² .	1949-95 ^g 1999-	- -04	---	(k)	- -49	4.20	1,360

Station name and number	Location and drainage area	Period of record	Water year 2004			Period of record		
			Date	Gage height (ft)	Maximum discharge (ft ³ /s)	Date	Gage height (ft)	Maximum discharge (ft ³ /s)
GILA RIVER BASIN								
Duck Creek at Cliff (09430900)	Lat 32°58'03", long 108°36'36", Grant County, Hydrologic Unit 15040002, at Cliff 100 ft downstream from bridge on State Highway 211, and 0.6 mi upstream from mouth. Drainage area is ^a 228 mi ² .	1957-	09-26-04	1.81	209	01-18-93	11.76	7,400
Mangas Creek near Cliff (09431130)	Lat 32°51'39", long 108°34'01", Grant County, Hydrologic Unit 15040002, on right bank, about 0.5 mi upstream from U.S. Forest Service Road 806, in close proximity to Bill Evans Lake, 7 mi south of Cliff.	1986-	08-19-04	9.46	3,690	09-22-97	9.49	3,720
Animas Creek near Cloverdale (09438200)	Lat 31°34'15", long 108°52'30", Hidalgo County, near head of small box canyon 0.1 mi west of State Highway 338, and 11 mi north of Cloverdale. Drainage area is 157 mi ² .	1959-	09-26-04	6.62	2,010	10-13-74	7.78	3,400
Mail Hollow near Luna (09442630)	Lat 33°47'38", long 108°56'59", Catron County, Hydrologic Unit 15040004, 1,000 ft upstream from culvert on U.S. Highway 180, 2.3 mi south of Luna. Drainage area is 4.20 mi ² .	1970-96 ^g 1999-	08-02-04	2.75	49	08-16-03	4.68	420
Trout Creek at Luna (09442660)	Lat 33°50'50", long 108°59'38", Catron County, Hydrologic Unit 15040004, 500 ft downstream from bridge on Luna-Red Hill Road, and 2.6 mi north of Luna. Drainage area is 31.9 mi ² .	1954-95 ^g 1999-	10-08-03	1.64	103	10-02-83	4.93	2,790
Tularosa River near Reserve (09442740)	Lat 33°44'00", long 108°42'10", Catron County, 150 ft west of Eagle Peak Lookout Road, and 3.3 mi northeast of Reserve. Drainage area is 426 mi ² .	1956-86 ^g 1997-	08-02-04	1.74	58	10-02-83	9.80	3,020
Steins Creek at Steins (09455800)	Lat 32°13'32", long 109°00'14", Hidalgo County, Hydrologic Unit 15040006, at culvert on Interstate Highway 10, and 0.9 mi west of Steins. Drainage area is 1.26 mi ² .	1959-96 ^g 1999-	09-13-04	2.23	100	09-03-65	4.80	317

- < Less than.
 + Discharge not yet determined.
 * Operated as continuous-record gaging station.
 a Approximately.
 b Peak too low to register on gage.
 c Estimated.
 d From floodmark.
 e Gage height not determined.
 f Contributing area.
 g Discontinued at end of year.
 h Revised.
 j May not have been peak for year.
 k No evidence of any flow during water year.
 m No record.
 n Correction.
 o Record not completed for water year.
 q Record affected by fire.

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 2004

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Lea Lake Drain (08394026) (formerly 08394018)	Pecos River	Lat 33°18'56", long 104°19'56", in SW 1/4 SE 1/4 SW 1/4 sec.34, T.11 S., R.26 E., Chaves County, Hydrologic Unit 13060007, on downstream side of road crossing at Bottomless Lakes State Park near Roswell.	---	1976-2003	10-02-03	13.6
					10-24-03	15.2
					10-24-03	14.5
					01-07-04	16.7
					02-03-04	16.4
					04-26-04	18.6
					05-06-04	15.2
					06-17-04	10.3
					07-06-04	9.80
					08-03-04	9.33
	08-30-04	9.51				
Castle Springs (08405490)	Black River	Lat 32°11'59", long 104°15'13", in SW 1/4 SW 1/4 SW 1/4 sec.24, T.24 S., R.26 E., Eddy County, Hydrologic Unit 13060011, upstream from mouth at Black River Village, 7.2 mi east of Whites City.	---	1975-2003	02-06-04	1.63
Mangas Creek (09431100)	Gila River	Lat 32°50'48", long 108°30'57", in NW 1/4 NE 1/4 sec.8, T.17 S., R.16 W., Grant County, Hydrologic Unit 15040002, 0.4 mi northwest of Mangas Springs.	177	1989-2003	10-07-03	2.50
					02-09-04	3.35
					03-18-04	2.80
					06-10-04	4.10
					07-02-04	3.28
					09-10-04	2.28
					09-10-04	2.05

RIO GRANDE BASIN

Rio Grande Seepage Investigation

REACH.--The seepage investigation was conducted along a 62.4-mile reach from the Rio Grande below Leasburg Dam near Radium Springs, New Mexico, to the Rio Grande at El Paso, Texas (08364000). River miles are referenced upstream from the Rio Grande at El Paso, Texas, which is designated as river mile 1,249.9 (Hendricks, 1964).

PREVIOUS INVESTIGATIONS.--A seepage investigation from the gaging station "below Caballo Dam" (08362500) to a site 0.3 mile upstream from the gaging station "at El Paso" (08364000) was conducted by the U.S. Geological Survey on February 12-13, 1974. Seepage investigations from below Leasburg Dam near Radium Springs, New Mexico, to El Paso, Texas (08364000), were conducted on January 5-6, 1988, January 10-11, 1989, January 9-10, 1990, January 8-9, 1991, January 26-27, 1993, January 11-12, 1995, January 23-24, 1996, January 28-29, 1997, January 27-28, 1998, and February 24-25, 2004. A seepage investigation from below Leasburg Dam near Radium Springs, New Mexico, to NM-227 Bridge near Vado, New Mexico, was conducted on December 17, 1991.

DATE.--February 23 and March 4, 2005.

WEATHER.--Above-average winter precipitation fell with frequent isolated thunderstorms in January through March 2005. Weather was favorable for the seepage investigation on February 23 along most of the upstream reach from Radium Springs to Vado, New Mexico. Heavy overnight rain fell with significant precipitation on February 24. Weather was favorable for the seepage investigation along the downstream reach from Vado, New Mexico, to El Paso, Texas, on March 4.

STREAMFLOW.--The seepage investigation was conducted during the non-irrigation season at low flow. Intermittent streamflow occurred along 43.6 of 62.4 river miles; dry conditions were observed along two extensive reaches. Discharge measurements indicate a net seepage loss of 40.3 cubic feet per second, with side-channel inflows of 38.9 cubic feet per second. Indicated gains (+) and losses (-) throughout the reach are shown below. Tributary flow recorded as inflow is considered a contribution and not a gain; no outflow (diversions) occurred during the investigation. Channel gain or loss includes seepage to or from the streambed, evaporation from the water surface, and transpiration by vegetation along the channel banks. Evaporation from the water surface and transpiration by vegetation in February is considered negligible.

REMARKS.--Recent drought conditions and decreasing reservoir storage resulted in a significant reduction in surface-water allocations during the previous 2004 irrigation season at 36 percent of full supply. Intermittent river flow occurred during the 2005 non-irrigation season, with two dry reaches during the seepage investigation. Dry river conditions were observed at site 14A to site 16A (6.5 miles) and site 25D to site 30 (12.3 miles).

Discharge measurements were conducted at 16 main-stream sites and 14 inflow sites, and specific conductance and water temperature were measured at each site. Dry channel conditions were observed at 8 main-stream sites and 5 inflow sites. Individual discharge measurements were rated good (within 5 percent) throughout most of the stream reach. The discharge measurement at site 8 was affected by precipitation from an isolated thunderstorm and was rated poor due to unsteady stage during the measurement. Individual discharge measurements were rated fair (within 8 percent) at site 10 and rated poor (over 8 percent) at site 24 due to poor channel conditions. Accuracy of discharge measurements needs to be considered when evaluating indicated gains and losses.

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25 degrees Celsius; ft³/s, cubic feet per second; NM, New Mexico; --, no data or not applicable; TX, Texas]

Site number	River mile	Stream	Location	Time	Water temperature (°C)	Specific conductance (µS/cm)	Discharge, in ft ³ /s		
							Main stream	Inflow	Gain or loss
<u>February 23, 2005</u>									
1	1,312.3	Rio Grande	Below Leasburg Dam, Radium Springs, NM Lat 32°28'41", long 106°55'10"	0955	14.5	1,340	14.9	--	--
2	1,310.2	Rio Grande	Near Leasburg, NM Lat 32°27'21", long 106°54'08"	--	--	--	--	--	--
3	1,307.6	Selden Drain	Near Leasburg, NM Lat 32°25'38", long 106°52'50"	0850	--	--	--	0	--
4	1,306.3	Rio Grande	Near Hill, NM Lat 32°25'05", long 106°52'01"	1130	14.5	1,570	16.4	--	+1.5
5	1,302.7	Rio Grande	At Shalem Bridge near Doña Ana, NM Lat 32°22'34", long 106°51'16"	1250	16.5	1,520	14.0	--	-2.4
6	1,301.2	Wasteway No. 5	Near Doña Ana, NM Lat 32°22'14", long 106°50'14"	0815	--	--	--	0	--
7	1,298.8	Rio Grande	Near Picacho, NM Lat 32°20'18", long 106°50'09"	1415	16.0	1,390	13.7	--	-0.3
8	1,295.6	Rio Grande	Below Picacho Bridge near Las Cruces, NM Lat 32°17'45", long 106°49'25"	1540	15.0	1,160	8.99	--	-4.7
9	1,295.4	Wastewater Inflow	City of Las Cruces, NM Lat 32°17'35", long 106°49'26"	1300	21.0	1,300	--	^{1/} 14.9	--
10	1,293.1	Rio Grande	At NM-359 Bridge near Mesilla, NM Lat 32°15'49", long 106°49'29"	1550	20.5	1,270	17.6	--	-6.3
11	1,291.8	Picacho Drain	Above Mesilla Dam near Mesilla, NM Lat 32°14'34", long 106°48'56"	1415	--	--	--	0	--
12	1,291.7	Rio Grande	Below Picacho Drain near Mesilla, NM Lat 32°14'30", long 106°48'49"	0900	12.0	1,340	4.85	--	-12.8
13	1,289.5	Rio Grande	Below Mesilla Dam near Mesilla, NM Lat 32°13'17", long 106°47'15"	1025	13.5	1,300	3.01	--	-1.84
14	1,287.3	Rio Grande	At NM-28 Bridge near San Pablo, NM Lat 32°12'24", long 106°45'32"	1155	19.0	1,210	1.21	--	-1.80
14A	1,284.8	Rio Grande	Below NM-28 Bridge near San Miguel, NM Lat 32°11'12", long 106°43'48"	1700	--	--	0	--	-1.21
15	1,283.6	Santo Tomas River Drain	Near San Miguel, NM Lat 32°10'16", long 106°43'11"	1445	--	--	--	0	--

Discharge, in ft³/s

Water Specific

Site num-ber	River mile	Stream	Location	Time	temper-ature (°C)	conduct-ance (µS/cm)	Main stream	Inflow	Gain or loss
16	1,282.7	Rio Grande	At NM-228 Bridge near San Miguel, NM Lat 32°09'43", long 106°42'58"	1330	--	--	0	--	--
16A	1,278.3	Rio Grande	Above NM-227 Bridge near Vado, NM Lat 32°07'06", long 106°40'29"	1545	--	--	0	--	--
17	1,277.8	Rio Grande	At NM-227 Bridge near Vado, NM Lat 32°06'48", long 106°40'05"	1430	20.5	1,070	20.06	--	+0.06
<u>March 4, 2005</u>									
17	1,277.8	Rio Grande	At NM-227 Bridge near Vado, NM Lat 32°06'48", long 106°40'05"	0930	15.0	1,290	20.07	--	--
18	1,276.6	Del Rio Drain	Near Vado, NM Lat 32°06'09", long 106°39'27"	1030	11.0	1,360	--	2.84	--
19	1,273.8	Rio Grande	At NM-226 Bridge near Berino, NM Lat 32°03'56", long 106°39'45"	1145	17.0	1,310	3.60	--	+0.69
20	1,271.6	La Mesa Drain	Near Chamberino, NM Lat 32°02'15", long 106°39'23"	1310	--	--	--	0	--
21	1,271.5	Rio Grande	Below La Mesa Drain near Chamberino, NM Lat 32°02'12", long 106°39'18"	1420	22.0	1,340	4.07	--	+0.47
22	1,268.5	Rio Grande	At NM-225 Bridge near Anthony, NM Lat 31°59'58", long 106°38'07"	1620	21.0	1,300	3.65	--	-0.42
23	1,268.5	Pipe Inflow	At NM-225 Bridge near Anthony, NM Lat 31°59'58", long 106°38'07"	1525	15.0	1,590	--	20.04	--
24	1,265.4	East Drain	Near Vinton, TX Lat 31°58'09", long 106°36'17"	0830	10.0	1,980	--	0.91	--
24A	1,265.9	Temporary Well Inflow	Above Vinton Bridge near Vinton, TX Lat 31°58'32", long 106°36'50"	0755	18.0	1,940	--	1.31.69	--
25	1,264.7	Rio Grande	At Vinton Bridge near Vinton, TX Lat 31°57'33", long 106°36'16"	1010	18.0	1,680	2.48	--	-3.81
25A	1,264.7	Temporary Well Inflow	At Vinton Bridge near Vinton, TX Lat 31°57'32", long 106°36'16"	0825	19.5	1,470	--	1.31.54	--
25B	1,264.2	Temporary Well Inflow	Below Vinton Bridge near Vinton, TX Lat 31°57'06", long 106°36'18"	0905	19.5	1,310	--	1.32.76	--
25C	1,263.9	Temporary Well Inflow	Below Vinton Bridge near Vinton, TX Lat 31°56'52", long 106°36'17"	0915	19.5	1,280	--	1.30.99	--

Discharge, in ft³/s

Water Specific

Site num- ber	River mile	Stream	Location	Time	temper- ature (°C)	conduct- ance (μS/cm)	Main stream	Inflow	Gain or loss
25D	1,263.3	Rio Grande	Below Vinton Bridge near Vinton, TX Lat 31°56'19", long 106°36'16"	1420	--	--	0	--	-7.77
25E	1,262.2	Temporary Well Inflow	Above TX-259 Bridge near Cañutillo, TX Lat 31°55'27", long 106°36'10"	0850	18.5	1,430	--	^{1,3} 0.56	--
26	1,261.6	Rio Grande	At TX-259 Bridge, Cañutillo, TX Lat 31°54'54", long 106°36'18"	1100	--	--	0	--	-0.56
27	1,259.3	Rio Grande	At Borderland Bridge near Borderland, TX Lat 31°53'09", long 106°35'55"	1110	--	--	0	--	--
28	1,256.2	Rio Grande	At TX-260 Bridge near Santa Teresa, NM Lat 31°50'46", long 106°36'18"	1125	--	--	0	--	--
29	1,252.8	Rio Grande	Near Sunland Park, NM Lat 31°48'24", long 106°34'57"	1145	--	--	0	--	--
30	1,251.0	Wastewater Inflow	Sunland Plant, City of Sunland Park, NM Lat 31°47'55", long 106°33'25"	1139	19.0	2,120	--	¹ 2.40	--
31	1,250.9	Rio Grande	At Sunland Park Bridge, Sunland Park, NM Lat 31°47'56", long 106°33'16"	1500	21.5	2,120	2.23	--	-0.17
32	1,250.3	Montoya Drain	Near Sunland Park, NM Lat 31°48'10", long 106°32'47"	1335	17.5	4,000	--	9.59	--
32A	1,250.2	El Paso Electric Discharge Inlet	Near Sunland Park, NM Lat 31°48'12", long 106°32'44"	1135	17.0	2,540	--	¹ 0.61	--
33	1,250.1	Keystone Reservoir Inlet	Near El Paso, TX Lat 31°48'18", long 106°32'39"	1600	17.5	2,380	--	² 0.06	--
33A	1,250.0	Side-channel Inlet	Above Courchesne Bridge Near El Paso, TX Lat 31°48'13", long 106°32'28"	1625	18.0	4,730	--	² 0.04	--
34	1,249.9	Rio Grande	At Courchesne Bridge, El Paso, TX Lat 31°48'09", long 106°32'26"	1710	19.5	3,780	13.6	--	+1.1

¹ Reported discharge

² Parshall flume

³ Temporary well inflow from shallow wells completed in the flood-plain alluvium within 500 feet of the Rio Grande.

Wells were pumped for the purpose of dewatering at a pipeline construction site.

Gallinas Creek Seepage Investigation

REACH.--Three seepage investigations were conducted along Gallinas Creek and the Storrie Lake Intake Canal. The first two were conducted on the Storrie Lake Intake Canal from its diversion dam on the Gallinas River to just upstream of its outfall into Storrie Lake. The third seepage investigation was conducted from the gage, Gallinas River near Montezuma downstream 3.3 miles to the Gallinas Canal Company diversion. The gage, Gallinas Creek near Montezuma, is at river mile 74.4.

PREVIOUS INVESTIGATIONS.--July 26-27, 1977 and September 20-21, 1977.

DATE.--June 3, 2005, June 9, 2005, and June 22, 2005.

WEATHER.--Weather was favorable with no precipitation during the seepage investigation on June 3, 2005, June 9, 2005 and June 22, 2005. The mean daily temperature in Las Vegas, New Mexico, was 63 degrees Celsius on June 3, 2005, 68 degrees on June 9, 2005 and 66 degrees on June 22, 2005.

STREAMFLOW.--The seepage investigation on June 3 and June 9, 2005, was conducted at the end of the operation season from the Storrey Lake Intake Canal. The first set of measurements on June 3, 2005 indicated that duplicate measurements would be needed to determine canal flow differences over the 2.4 mile reach. Discharge measurements indicate little net seepage loss of the Storrie Lake canal when taking into account the 5.8 ft³/sec and 4.4 ft³/sec diversions by the Acecia Madre de los Vigiles ditch midway along the Canal on those dates. The difference between the measurements at the gage, Gallinas Creek near Montezuma, and the measurements at the Gallinas Canal Company diversion on June 22, 2005 includes the City of Las Vegas diversion of 6.8 ft³/sec for its municipal water supply.

REMARKS.--These seepage investigations conducted on June 3, June 9, and June 22, 2005 were rated good based upon steady streamflow conditions during all three measurement days. Individual discharge measurements were rated good (within 5 percent) at all six measurement sections. Accuracy of discharge measurements needs to be considered when evaluating indicated gains and losses.

River mile	Stream	Location	Date	Time	Water temperature (°C)	Specific conductance (mS/cm)	Discharge, in ft ³ /s		Gain or loss
							Main stream	Inflow	
71.0	Storrie Lake Intake Canal	At head near Montezuma Lat 35°39'06", long 105°16'22"	6-3-05	1134			29.4		
70.0	Storrie Lake Intake Canal	Above Acecia Madre de los Vigiles diversion Lat, 35°39'02" long 105°16'19"	6-3-05	1312			27.5	-5.8	
69.9	Storrie Lake Intake Canal	Below Acecia Madre de los Vigiles diversion Lat 35°38'54", long 105°15'36"	6-3-05	1430			22.0		
68.9	Storrie Lake Intake Canal	Above Storrey Lake Lat 35°38'54", long 105°15'37"	6-3-05	1534			23.4		
71.0	Storrie Lake Intake Canal	At head near Montezuma Lat 35°39'06", long 105°16'22"	6-9-05	1135			15.3		
71.0	Storrie Lake Intake Canal	At head near Montezuma Lat 35°39'06", long 105°16'22"	6-9-05	1220			14.3		
70.0	Storrie Lake Intake Canal	Above Acecia Madre de los Vigiles diversion Lat 35°39'02" long 105°16'19"	6-9-05	1328			15.4		
70.0	Storrie Lake Intake Canal	Above Acecia Madre de los Vigiles diversion Lat 35°39'02" long 205°16'19"	6-9-05	1352			16.2		
69.9	Storrie Lake Intake Canal	Below Acecia Madre de los Vigiles diversion Lat 35°38'54", long 105°15'36"	6-9-05	1424			11.3	-4.4	
69.9	Storrie Lake Intake Canal	Below Acecia Madre de los Vigiles diversion Lat 35°38'54", long 105°15'36"	6-9-05	1444			10.7		
68.9	Storrie Lake Intake Canal	Above Storrey Lake Lat 35°39'06", long 105°14'29"	6-9-05	1621			10.3		
68.9	Storrie Lake Intake Canal	Above Storrey Lake Lat 35°39'06", long 105°14'29"	6-9-05	1655			11.1		
74.4	Gallinas Creek near Montezuma	At gaging station 08380500 Lat 35°39'07", long 105°19'06"	6-22-05	1418			14.9		
71.1	Gallinas Canal	below Gallinas Canal Company Diversion Lat 35°39'06", long 105°16'21"	6-22-05	1606			0.89		
71.1	Gallinas Creek	below Gallinas Canal Company Diversion Lat 35°39'06", long 105°16'22"	6-22-05	1645			5.46		
71.1	Gallinas Creek	below Gallinas Canal Company Diversion Lat 35°39'06", long 105°16'22"	6-22-05	1730			5.27	-8.6	

RIO GRANDE BASIN

The following water-quality tables for miscellaneous sites in the Rio Grande Basin are identified by 15-digit latitude-longitude site numbers and are in order by ascending site number (shown before the site name). This departure from the normal downstream order for surface-water sites was taken to facilitate locating these sites in this report and comparing results for the same group of analyses. Water-quality partial-record stations and water-quality miscellaneous sites are surface-water locations where chemical quality, biological, and/or sediment data are collected on a limited frequency over a short period of years or once only for use in hydrologic investigations.

314810106324610 MONTOYA DRAIN AT SUNLAND PARK, NM

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarbohardness, wat fltrd field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)
MAR 04...	1315	9.6	15	667	15.4	187	8.4	4,000	22.0	17.5	550	230	149
Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
MAR 04...	41.8	9.02	14	741	317	374	6	.67	676	.9	32.4	790	2,630
Date	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Boron, water, fltrd, ug/L (01020)				
MAR 04...	2,630	.55	E.03	<.06	<.008	.03	.04	.09	803				

Remark codes used in this table:

< -- Less than.

E -- Estimated.

RIO GRANDE BASIN—Continued

315807106361910 EAST SIDE DRAIN AT LEVEE ROAD NEAR ANTHONY, TX

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAR 04...	0840	.91	84	667	6.5	66	8.2	1,980	9.0	10.0	200	54.6	16.0
Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)
MAR 04...	26.7	11	358	288	345	3	<.02	283	1.1	18.8	270	1,220	1,180
Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Boron, water, fltrd, ug/L (01020)				
MAR 04...	4.9	3.17	.90	1.24	.343	2.42	2.67	2.91	458				

Remark codes used in this table:

< -- Less than.

RIO GRANDE BASIN—Continued

322841106551010 RIO GRANDE BELOW LEASBURG DAM, NM

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarbohardness, wat fltrd field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)
FEB 23...	1020	15	41	661	9.5	108	8.2	1,340	17.0	14.5	330	130	98.7
Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
FEB 23...	19.1	11.9	4	164	193	230	2	.39	176	.7	15.3	234	836
Date	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Boron, water, fltrd, ug/L (01020)				
FEB 23...	849	.35	<.04	<.06	<.008	E.01	<.04	.06	213				

Remark codes used in this table:

< -- Less than.

E -- Estimated.

GROUND-WATER LEVELS

BERNALILLO COUNTY

Albuquerque Area

350256106390801. Local number, 10N.03E.32.314.

LOCATION.--Lat 35°02'56", long 106°39'11", Hydrologic Unit 13020203.

AQUIFER.--Santa Fe Group.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 16 in., depth 764 ft, perforated 188-764 ft.

INSTRUMENTATION.--Pressure Transducer, 1-hour measurements.

DATUM.--Elevation of land-surface datum is 4,941 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.07 ft below land-surface datum, Jan. 5, 1987 (from recorder); lowest measured, 45.42 ft below land-surface datum, July 16, 1994 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.10	34.05	32.52	32.51	33.22	34.98	34.44	34.16	37.10	38.61	41.42	40.40
10	34.77	33.48	32.28	33.54	32.91	34.32	34.88	33.84	37.50	39.78	40.55	40.34
15	34.34	32.77	32.26	33.92	32.69	34.15	34.40	34.38	37.70	40.21	39.55	39.40
20	34.28	33.02	31.96	34.47	33.56	34.20	34.33	34.39	39.10	39.83	39.27	39.69
25	34.13	32.86	32.43	34.91	34.46	34.44	34.16	35.76	38.59	40.09	39.87	40.27
EOM	33.55	32.06	32.42	34.62	33.84	34.51	34.19	36.49	38.60	41.01	40.20	39.06

CHAVES COUNTY

Roswell Basin

334138104343801 (formerly 334645104344501). Local number, 07S.23E.23.24431.

LOCATION.--Lat 33°41'38", long 104°34'40", Hydrologic Unit 13060005.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian irrigation well, diameter 14 in., depth 436 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,810 ft above National Geodetic Vertical Datum of 1929. Measuring point: lower outer edge of mouth of discharge pipe, 3.71 ft above land-surface datum.

PERIOD OF RECORD.--May 1951 to March 1960, January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 239.83 ft below land-surface datum, May 26, 1951; lowest measured, 290.80 ft below land-surface datum, Aug. 21, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 20	264.26

GROUND-WATER LEVELS
CHAVES COUNTY—Continued

Roswell Basin

332615104303601. Local number, 10S.24E.21.212222.

LOCATION.--Lat 33°26'15", long 104°30'36", Hydrologic Unit 13060008.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well completed in San Andres Limestone, diameter 10 in., depth 324 ft.

INSTRUMENTATION.--Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,580.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 3.60 ft above land-surface datum.

REMARKS.--Recorder removed Nov. 26, 1990. Monthly steel-tape measurements.

PERIOD OF RECORD.--June 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.25 ft below land-surface datum, Jan. 1943; lowest measured, 73.34 ft below land-surface datum, July 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	43.35	NOV 05	41.49	DEC 05	39.69	JAN 05	38.96	FEB 04	37.99		
15	42.59	15	40.89	15	39.39	14	38.39	15	37.59		
25	42.09	25	40.39	25	39.14	25	38.09	25	37.39		
WATER YEAR 2005		HIGHEST	37.39	FEB 25, 2005	LOWEST	43.35	OCT 05, 2004				

Roswell Basin

332255104360401. Local number, 11S.23E.03.342223.

LOCATION.--Lat 33°22'55", long 104°36'06", Hydrologic Unit 13060008.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 15 in., depth 478 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,725 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 156.97 ft below land-surface datum, Mar. 11, 1952; lowest measured, 198.96 ft below land-surface datum, Oct. 18, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 10	181.52

Roswell Basin

331705104262801 (formerly 332200104270001). Local number, 12S.25E.09.42230.

LOCATION.--Lat 33°17'05", long 104°26'30", Hydrologic Unit 13060007.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 10 in., reported depth 90 ft, cased to 90 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,564 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 3/4-in. collar, 0.62 ft above land-surface datum.

PERIOD OF RECORD.--May 1937 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.64 ft below land-surface datum, Oct. 16, 1941; lowest measured, 86.62 ft below land-surface datum, Jan. 14, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 14	70.48

GROUND-WATER LEVELS
CHAVES COUNTY—Continued

Roswell Basin

331525104245201 (formerly 331205104245101). Local number, 12S.25E.23.344412.

LOCATION.--Lat 33°15'25", long 104°24'54", Hydrologic Unit 13060007.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 9 to 7 in., depth 930 ft, 9-in. casing 0-304 ft, 7-in. casing 304-714 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 3,540 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.30 ft above land-surface datum.

REMARKS.--Records good, except for October 1 to November 4, March 29 to April 15, May 10 to May 24, June 21 to July 11, and August 15 to September 30 due to float problems; and May 25 to June 2 due to recorder malfunction.

PERIOD OF RECORD.--January 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.39 ft below land-surface datum, Mar. 5, 2002 (from recorder); lowest measured, 160.87 ft below land-surface datum, Aug. 1, 2003 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	30.93	21.83	18.49	23.02	23.42	---	54.80	94.52	---	140.10	---
10	---	32.46	20.75	18.37	20.15	33.04	92.88	---	119.99	---	127.32	---
15	---	27.39	19.17	19.36	19.21	32.59	94.51	---	127.88	148.86	---	---
20	---	25.34	18.53	18.94	19.68	25.47	84.47	---	132.40	147.49	---	---
25	---	22.75	18.49	18.97	20.47	47.88	85.09	---	---	154.85	---	---
EOM	---	21.60	17.62	20.52	19.58	---	76.42	---	---	146.80	---	---

Roswell Basin

331524104245101. Local number, 12S.25E.23.344234A.

LOCATION.--Lat 33°15'24", long 104°24'53", Hydrologic Unit 13060007.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 7 in., total depth 231 ft, cased to total depth, perforated 105-231 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 3,540 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 2.40 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--January 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.32 ft below land-surface datum, Apr. 14, 2000 (from recorder); lowest measured, 111.19 ft below land-surface datum, Oct. 10, 1980 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	104.18	104.24	104.02	103.88	103.61	103.42	103.15	103.19	103.37	103.58	103.98	104.48
10	104.20	104.21	104.08	103.79	103.65	103.35	103.13	103.18	103.35	103.61	103.99	104.52
15	104.16	104.21	103.98	103.90	103.60	103.31	103.15	103.26	103.39	103.68	104.12	104.62
20	104.25	104.15	103.87	103.77	103.50	103.18	103.10	103.31	103.48	103.76	104.22	104.60
25	104.26	104.06	103.99	103.71	103.46	103.17	103.09	103.32	103.48	103.78	104.30	104.61
EOM	104.16	104.17	103.89	103.76	103.42	103.27	103.16	103.31	103.52	103.87	104.38	104.52

CHAVES COUNTY—Continued

Roswell Basin

331213104241601 (formerly 331216104241701). Local number, 13S.25E.12.311134.

LOCATION.--Lat 33°12'13", long 104°24'18", Hydrologic Unit 13060007.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 13 in., depth 190 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,506 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.80 ft above land-surface datum.

REMARKS.--"S" indicates nearby well pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.23 ft below land-surface datum, Feb. 3, 1942; lowest measured, 99.21S ft below land-surface datum, Aug. 8, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 10	92.44

Roswell Basin

331002104254701 (formerly 331002104272001). Local number, 13S.25E.27.211144.

LOCATION.--Lat 33°10'02", long 104°25'49", Hydrologic Unit 13060007.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well completed in San Andres Limestone, diameter 10 in., depth 880 ft.

INSTRUMENTATION.--Recorder removed Nov. 25, 1990. Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,523.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf 3.59 ft above land-surface datum.

PERIOD OF RECORD.--1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -11.64 ft above land-surface datum, Jan. 1942; lowest measured, 189.44 ft below land-surface datum, July 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	38.08	NOV 05	29.66	DEC 06	12.26	JAN 05	8.66	JAN 25	10.71	FEB 25	14.66
15	27.41	15	22.22	15	10.13	10	8.73	FEB 04	14.01		
25	31.61	24	15.91	23	9.83	14	10.20	15	12.86		

WATER YEAR 2005 HIGHEST 8.66 JAN 05, 2005 LOWEST 38.08 OCT 05, 2004

Roswell Basin

330702104402401 (formerly 330700104402501). Local number, 14S.23E.08.144344.

LOCATION.--Lat 33°07'02", long 104°40'26", Hydrologic Unit 13060009.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian stock well, diameter 8 in., depth 460 ft, casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,844 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 257.55 ft below land-surface datum, Feb. 9, 1943; lowest measured, 328.69 ft below land-surface datum, Aug. 21, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 21	293.59

GROUND-WATER LEVELS

CIBOLA COUNTY

Grants-Bluewater Area

350346107521201 (formerly 350400107510501). Local number, 10N.10W.26.331.

LOCATION.--Lat 35°03'44", long 107°52'15", Hydrologic Unit 13020207.

AQUIFER.--Glorieta Sandstone of Permian age.

WELL CHARACTERISTICS.--Drilled artesian irrigation well, diameter 16 in., depth 216 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,455 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 1/2-in. hole in pump base, 1.00 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--February 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.15 ft below land-surface datum, Apr. 2, 1968; lowest measured, 58.24P ft below land-surface datum, Apr. 2, 1955.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	31.82	SEP 09	40.00
WATER YEAR 2005	HIGHEST 31.82	JAN 18, 2005	LOWEST 40.00
		SEP 09, 2005	

Grants-Bluewater Area

350923107522701 (formerly 350925107523001). Local number, 11N.10W.27.241.

LOCATION.--Lat 35°09'25", long 107°52'29", Hydrologic Unit 13020207.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 to 12 in., depth 158 ft, perforated 50 to 150 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,480 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing at land-surface datum.

PERIOD OF RECORD.--February 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.23 ft below land-surface datum, Sept. 29, 1988; lowest measured, 47.96 ft below land-surface datum, Sept. 9, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	45.27	SEP 09	47.96
WATER YEAR 2005	HIGHEST 45.27	JAN 18, 2005	LOWEST 47.96
		SEP 09, 2005	

Grants-Bluewater Area

351304107543701 (formerly 351400107524201). Local number, 12N.10W.29.434.

LOCATION.--Lat 35°13'04", long 107°54'39", Hydrologic Unit 13020207.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian unused well, diameter 18 in., reported depth 205 ft, cased 0-150 ft, perforated 93-130 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,552 ft above National Geodetic Vertical Datum of 1929. Measuring point: lower edge of hole in north side of casing, 2.20 ft above land-surface datum.

REMARKS.--"S" indicates nearby well pumping.

PERIOD OF RECORD.--October 1944, February 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.46 ft below land-surface datum, Oct. 14, 1944; lowest measured, 102.10S ft below land-surface datum, Aug. 25, 1960.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
SEP 21	89.77

CIBOLA COUNTY—Continued

Grants-Bluewater Area

351651107594501 (formerly 351650107535001). Local number, 12N.11W.09.424.

LOCATION.--Lat 35°16'50", long 107°59'47", Hydrologic Unit 13020207.

AQUIFER.--San Andres Limestone and Yeso Formation of Permian age.

WELL CHARACTERISTICS.--Drilled artesian unused well, diameter 16 in., reported depth 505 ft, 16-in. casing to 175 ft, 12-in. casing to 325 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,642 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--May 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.69 ft below land-surface datum, Sept. 29, 1988; lowest measured, 139.05 ft below land-surface datum, Aug. 1, 1957.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	134.55	SEP 09	123.38
WATER YEAR 2005 HIGHEST 123.38		SEP 09, 2005 LOWEST 134.55	
JAN 19, 2005			

Grants-Bluewater Area

351630107572801 (formerly 351637107584501). Local number, 12N.11W.14.213.

LOCATION.--Lat 35°16'26", long 107°58'05", Hydrologic Unit 13020207.

AQUIFER.--San Andres Limestone and Yeso Formation of Permian age.

WELL CHARACTERISTICS.--Drilled test well, diameter 4 in., depth 130.4 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,605 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.70 ft above land-surface datum.

PERIOD OF RECORD.--June 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.74 ft below land-surface datum, Sept. 25, 1986; lowest measured, 101.39 ft below land-surface datum, June 10, 1954.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 19	90.31

COLFAX COUNTY

Capulin Basin

364522104034501 (formerly 364500104031501). Local number, 29N.27E.16.222.

LOCATION.--Lat 36°45'22", long 104°03'47", Hydrologic Unit 11040001.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 8 in., depth 120 ft, cased to 20 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,8220 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1957 to February 1969, February 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.65 ft below land-surface datum, Feb. 3, 1960 and Aug. 24 1960; lowest measured, 11.42 ft below land-surface datum, July 10, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29	9.09	SEP 13	10.88
WATER YEAR 2005 HIGHEST 9.09		MAR 29, 2005 LOWEST 10.88	
SEP 13, 2005			

GROUND-WATER LEVELS

CURRY COUNTY

Clovis Area

341836103052001. Local number, 01N.37E.17.113133.

LOCATION.--Lat 34°18'53", long 103°05'28", Hydrologic Unit 12050002.

AQUIFER.--Ogallala.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 in., depth 373 ft, screened 293-373 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,113 ft above National Geodetic Vertical Datum of 1929. Measuring point: top edge of recorder shelter apron, 3.93 ft above land-surface datum.

REMARKS.--"S" indicates nearby well pumping.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 158.17 ft below land-surface datum, Jan. 28, 1972; lowest measured, 303.285 ft below land-surface datum, Aug. 25, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
MAR 22	302.77

Clovis Area

342358103093601. Local number, 02N.36E.15.111111.

LOCATION.--Lat 34°24'17", long 103°09'37", Hydrologic Unit 12050002.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well; diameter, depth, and casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,227 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of concrete base 1.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 266.89 ft below land-surface datum, Jan. 4, 1974; lowest measured, 315.83 ft below land-surface datum, Feb. 23, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
MAR 22	295.80

Clovis Area

342736103203701 (formerly 342815103270001). Local number, 03N.34E.23.433133.

LOCATION.--Lat 34°27'51", long 103°20'45", Hydrologic Unit 12050001.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 in., depth 418 ft, cased to 418 ft, perforated 365-418 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,434 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.40 ft above land-surface datum.

PERIOD OF RECORD.--April 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 340.62 ft below land-surface datum, Mar. 16, 1957; lowest measured, 363.13 ft below land-surface datum, Feb. 24, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
MAR 10	362.29

GROUND-WATER LEVELS

425

CURRY COUNTY—Continued

Clovis Area

343615103123801. Local number, 05N.35E.35.31324.

LOCATION.--Lat 34°36'30", long 103°12'45", Hydrologic Unit 12050005.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 527 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,504 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 401.78 ft below land-surface datum, Jan. 7, 1970; lowest measured, 460.54 ft below land-surface datum, Mar. 10, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
MAR 10	460.54

DONA ANA COUNTY

Rincon and Mesilla Valleys

322203106484101 (formerly 322210106483001). Local number, 22S.01E.26.411.

LOCATION.--Lat 32°22'03", long 106°48'43", Hydrologic Unit 13030102.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., depth 107 ft, cased to 107 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,915 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of east side of casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.56 ft below land-surface datum, July 24, 2001; lowest measured, 25.57 ft below land-surface datum, Apr. 25, 1957.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 17	18.45	AUG 18	17.15
WATER YEAR 2005 HIGHEST 17.15 AUG 18, 2005 LOWEST 18.45 FEB 17, 2005			

GROUND-WATER LEVELS
DONA ANA COUNTY—Continued
Tularosa Basin

322323106314701. Local number, 22S.04E.15.331.

LOCATION.--Lat 32°23'23", long 106°31'49".

AQUIFER.--Bolson fill.

WELL CHARACTERISTICS.--4-in.-diameter PVC casing, depth 295 ft, screen interval 125-285 ft.

INSTRUMENTATION.--Pressure transducer, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 4,622 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 8-in. steel surface casing on north side at 1.65 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--Periodic steel-tape measurements, February 1984 to current year; recorder December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft below land-surface datum, Mar. 1985; lowest measured, 70.39 ft below land-surface datum, Aug. 10, 2004.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	70.26	70.25	69.84	69.36	68.83	67.98	67.38	67.29	67.36	67.78	68.27	68.61
10	70.22	70.15	69.88	69.38	68.82	67.80	67.29	67.25	67.38	67.80	68.33	68.69
15	70.18	70.08	69.81	69.37	68.66	67.65	67.35	67.30	67.49	67.88	68.34	68.71
20	70.19	70.05	69.66	69.23	68.49	67.55	67.29	67.30	67.56	67.97	68.43	68.80
25	70.13	70.01	69.59	69.09	68.22	67.47	67.24	67.33	67.62	68.07	68.47	68.79
EOM	70.14	70.04	69.50	68.97	68.13	67.42	67.30	67.34	67.68	68.21	68.49	68.85

Rincon and Mesilla Valleys

321606106462901 (formerly 321620106461501). Local number, 23S.02E.31.213.

LOCATION.--Lat 32°16'06", long 106°46'31", Hydrologic Unit 13030102.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 14 in., reported depth 70 ft, cased to 70 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,880 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 5/8-in. hole in pump base, 1.08 ft above land-surface datum.

PERIOD OF RECORD.--December 1947 to February 1948, April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft below land-surface datum, Dec. 3, 1947; lowest measured, 29.22 ft below land-surface datum, Feb. 17, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 17	29.22	AUG 18	27.57
WATER YEAR 2005 HIGHEST 27.57 AUG 18, 2005 LOWEST 29.22 FEB 17, 2005			

EDDY COUNTY

Roswell Basin

325638104274801. Local number, 16S.25E.11.111131A.

LOCATION.--Lat 32°56'39", long 104°27'52", Hydrologic Unit 13060007.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 7 in., depth 171 ft, casing 0-171 ft, perforated 94-170 ft.

INSTRUMENTATION.--Recorder removed Nov. 27, 1990. Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,448 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.45 ft below land-surface datum, Jan. 7, 1965; lowest measured, 73.70 ft below land-surface datum, June 1, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	72.54	FEB 16	71.43	APR 18	72.59	JUN 01	73.70				
DEC 01	72.00	MAR 17	71.47	MAY 09	73.09						
WATER YEAR 2005		HIGHEST	71.43	FEB 16, 2005	LOWEST	73.70	JUN 01, 2005				

Roswell Basin

325450104251101 (formerly 325445104253501). Local number, 16S.26E.19.21113.

LOCATION.--Lat 32°54'50", long 104°25'13", Hydrologic Unit 13060007.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 160 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,399 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in. by 3-in. vertical slot under pump base, at land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.60 ft below land-surface datum, Jan. 16, 1969; lowest measured, 140.89 ft below land-surface datum, Aug. 6, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 24	110.12

Roswell Basin

324838104435301 (formerly 324831104435701). Local number, 17S.23E.30.12344.

LOCATION.--Lat 32°48'38", long 104°43'55", Hydrologic Unit 13060007.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian public-supply well, diameter 16 in., depth 600 ft, cased to 558 ft, perforated 498-558 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,085 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 2-in. pipe on north side of concrete base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1968, January 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 508.63 ft below land-surface datum, Aug. 11, 1997; lowest measured, 553.18 ft below land-surface datum, Aug. 7, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 25	514.60

GROUND-WATER LEVELS

EDDY COUNTY—Continued

Roswell Basin

324620104255001 (formerly 324624104244501). Local number, 18S.26E.06.442221A.

LOCATION.--Lat 32°46'20", long 104°25'52", Hydrologic Unit 13060007.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 9 in., depth 1,008 ft, cased to 726 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 3,402.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 2.40 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.57 ft below land-surface datum, Feb. 20, 1989 (from recorder); lowest measured, 209.15 ft below land-surface datum, July 31 to Aug. 2, 1966 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.90	101.04	92.75	86.23	80.87	81.11	104.03	116.17	116.34	144.43	156.42	133.37
10	112.64	99.59	91.95	85.10	80.33	84.19	109.78	113.62	124.03	149.12	153.36	137.34
15	109.48	98.14	90.59	84.55	79.26	86.52	111.05	114.16	131.55	153.01	150.47	138.86
20	107.16	96.55	89.22	83.28	78.42	92.32	111.01	114.96	136.71	153.63	143.87	138.96
25	105.17	95.33	88.34	82.43	77.97	96.96	109.63	114.85	144.04	154.38	139.27	133.79
EOM	102.61	94.31	87.15	81.28	77.62	101.22	114.16	108.87	141.47	152.18	135.44	131.43

Roswell Basin

324620104255101. Local number, 18S.26E.06.442212B.

LOCATION.--Lat 32°46'20", long 104°25'53", Hydrologic Unit 13060007.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 7 in., depth 246 ft, casing 0-246 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 3,402 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 2.70 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.83 ft below land-surface datum, Jan. 7, 1974 (from recorder); lowest measured, 145.98 ft below land-surface datum, Sept. 14, 2003 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	136.26	132.28	128.59	125.90	123.07	121.62	122.35	126.08	128.33	132.64	136.45	137.04
10	135.58	131.58	128.44	125.36	123.15	121.45	122.91	126.49	128.62	133.16	136.60	136.85
15	134.77	131.06	127.59	125.31	122.65	121.59	123.81	127.37	129.36	133.77	137.01	137.05
20	134.32	130.36	126.96	124.54	122.29	121.46	124.34	127.85	130.25	134.52	137.13	137.25
25	133.65	129.73	126.86	124.10	122.03	121.86	124.80	128.05	131.03	135.12	137.07	137.22
EOM	132.68	129.46	126.30	123.90	121.77	122.19	125.55	128.02	131.89	135.80	137.06	137.02

EDDY COUNTY—Continued

Roswell Basin

324325104233001. Local number, 18S.26E.28.122111.

LOCATION.--Lat 32°43'34", long 104°23'22", Hydrologic Unit 13060011.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 8 in., depth 250 ft, cased to 182 ft, casing slotted 92-182 ft.

INSTRUMENTATION.--Recorder removed Nov. 27, 1990. Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,382 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.06 ft above land-surface datum.

PERIOD OF RECORD.--August 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.00 ft below land-surface datum, Aug. 1951, Jan. 2, 1952; lowest measured, 128.14 ft below land-surface datum, June 14, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	127.99	DEC 01	128.09	MAR 17	128.01	MAY 09	128.03				
NOV 04	128.10	FEB 07	128.03	APR 18	128.01	JUN 14	128.14				
WATER YEAR 2005		HIGHEST	127.99	OCT 05, 2004	LOWEST	128.14	JUN 14, 2005				

Roswell Basin

323705104225501. Local number, 19S.26E.33.41224.

LOCATION.--Lat 32°36'58", long 104°22'57", Hydrologic Unit 13060011.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 14 in., depth 225 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,270 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 1-in. hole, in north side of pump base, 0.95 ft above land-surface datum.

REMARKS.--"S" indicates nearby well pumping.

PERIOD OF RECORD.--January 1938 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.40 ft below land-surface datum, June 3, 1992; lowest measured, 124.00S ft below land-surface datum, Jan. 9, 1984.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	30.58	FEB 16	31.62
WATER YEAR 2005		HIGHEST	30.58
		LOWEST	31.62
		JAN 31, 2005	
		FEB 16, 2005	

GROUND-WATER LEVELS

EDDY COUNTY—Continued

Roswell Basin

323542104242701 (formerly 323540104232001). Local number, 20S.26E.08.121111.

LOCATION.--Lat 32°35'42", long 104°24'30", Hydrologic Unit 13060011.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 13 in., depth 346 ft, casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,262 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of basal flange of pump head, 0.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.47 ft below land-surface datum, May 26, 1992; lowest measured, 105.34 ft below land-surface datum, Aug. 27, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	30.50	FEB 28	29.29
WATER YEAR 2005 HIGHEST		29.29 FEB 28, 2005	LOWEST 30.50 JAN 31, 2005

Carlsbad Area

322637104142301 (formerly 322652104141901). Local number, 21S.26E.36.22110.

LOCATION.--Lat 32°26'37", long 104°14'25", Hydrologic Unit 13060011.

AQUIFER.--Capitan Limestone.

WELL CHARACTERISTICS.--Drilled water-table municipal well, diameter 20 in., depth 327 ft, casing 0-290 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 3,122.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 4.26 ft above land-surface datum.

REMARKS.--Records good except for February 22 to March 12 due to float problems.

PERIOD OF RECORD.--April 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.92 ft below land-surface datum, June 29, 1987 (from recorder); lowest measured, 26.07 ft below land-surface datum, Aug. 2, 1974 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.50	20.42	19.61	20.01	20.29	---	19.18	20.25	20.60	21.32	21.67	21.45
10	20.50	20.17	19.85	20.14	20.42	---	19.22	20.15	20.73	21.33	21.61	21.44
15	20.49	20.01	19.84	20.28	20.34	19.34	19.56	20.37	20.91	21.60	21.50	21.33
20	20.59	19.71	19.79	20.24	20.29	19.12	19.66	20.37	21.11	21.69	21.38	21.26
25	20.64	19.57	19.97	20.21	---	19.10	19.81	20.50	21.18	21.61	21.26	21.18
EOM	20.49	19.70	20.03	20.30	---	19.13	20.23	20.45	21.27	21.60	21.25	21.16

GROUND-WATER LEVELS

431

EDDY COUNTY—Continued

Carlsbad Area

322712104074501 (formerly 322710104073901). Local number, 21S.28E.30.14123.

LOCATION.--Lat 32°27'12", long 104°07'47", Hydrologic Unit 13060011.

AQUIFER.--Capitan Limestone.

WELL CHARACTERISTICS.--Drilled exploration well, diameter 8 5/8 in. by 5 1/2 in., reported depth 1,060 ft, plugged back, total depth 906 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 3,181.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.27 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.13 ft below land-surface datum, June 29, 1987 (from recorder); lowest measured, 98.68 ft below land-surface datum, Aug. 3, 1974 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	90.40	90.35	89.43	89.79	90.12	89.70	88.96	89.99	90.27	91.01	91.40	91.06
10	90.37	90.08	89.54	89.92	90.18	89.47	89.02	89.92	90.40	91.09	91.39	91.13
15	90.38	90.01	89.71	90.01	90.14	89.24	89.23	90.13	90.56	91.20	91.30	91.10
20	90.36	89.59	89.67	90.04	90.15	89.04	89.35	90.09	90.70	91.31	91.17	91.04
25	90.45	89.45	89.76	90.05	90.06	88.92	89.57	90.14	90.90	91.40	91.02	90.97
EOM	90.38	89.34	89.79	90.04	89.90	88.79	89.79	90.24	90.94	91.38	90.99	91.01

GRANT COUNTY

Silver City Area

324600108222501. Local number, 18S.15W.11.323.

LOCATION.--Lat 32°45'17", long 108°22'07", Hydrologic Unit 15040002.

AQUIFER.--Gila Conglomerate.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 12 in., depth 580 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,845 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 12-in. casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1945, March 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 237.00 ft below land-surface datum, June 6, 1945; lowest measured, 305.68 ft below land-surface datum, July 2, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	303.08	FEB 27	303.77
WATER YEAR 2005	HIGHEST 303.08	DEC 29, 2004	LOWEST 303.77
		FEB 27, 2005	

GROUND-WATER LEVELS

GUADALUPE COUNTY

Santa Rosa Area

350414104485101. Local number, 10N.20E.28.2241.

LOCATION.--Lat 35°04'14", long 104°48'53", Hydrologic Unit 13060001.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 12 3/4 in., casing 0-514 ft, 10 3/4 in., 505-575 ft, casing perforated 515-575 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 5,162.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.10 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 343.67 ft below land-surface datum, June 27, 1992; lowest recorded, 369.13 ft below land-surface datum, Mar. 14, 2004.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	359.20	358.39	358.27	358.46	357.59	356.63	355.12	353.32	351.24	350.62	352.07	352.43
10	358.78	358.53	358.49	358.22	357.67	356.41	354.72	352.95	351.07	350.75	352.13	352.04
15	358.51	358.58	358.57	358.23	357.38	356.18	354.54	352.59	351.24	351.37	351.82	352.14
20	358.73	358.53	358.36	358.04	357.10	355.84	354.57	352.24	351.16	351.67	352.14	352.66
25	358.35	358.42	358.53	357.87	356.92	355.63	353.75	352.20	350.72	351.65	352.20	352.49
EOM	358.21	358.33	358.66	357.85	356.78	355.41	353.54	351.44	350.54	351.65	352.09	352.55

HARDING COUNTY

Roy Area

355352104054201. Local number, 19N.27E.05.334.

LOCATION.--Lat 35°53'52", long 104°05'44", Hydrologic Unit 11080007.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table municipal well, diameter 10 in., depth 75 ft, cased to 75 ft.

INSTRUMENTATION.--Submersible pump installed in 1984. Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,658 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in. plugged hole, east side, 1.50 ft above land-surface datum.

REMARKS.--"V" indicates foreign substance was present on surface of water; "P" indicates well pumping.

PERIOD OF RECORD.--January 1967 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.34 ft below land-surface datum, Jan. 18, 1983; lowest measured, 57.0VP ft below land-surface datum, Mar. 8, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
SEP 13	50.62

HIDALGO COUNTY

Virden Valley

324051108594101 (formerly 324053108594101). Local number, 19S.21W.03.414.

LOCATION.--Lat 32°40'52", long 108°59'41", Hydrologic Unit 15040002.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 20 in., depth 72 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,750 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole inside pump shell, 0.90 ft above land-surface datum.

PERIOD OF RECORD.--January 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.40 ft below land-surface datum, Feb. 26, 2005; lowest measured, 15.90 ft below land-surface datum, July 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 03	12.75	FEB 26	7.40
WATER YEAR 2005	HIGHEST	7.40 FEB 26, 2005	LOWEST 12.75 JAN 03, 2005

Lordsburg Area

321849108392001 (formerly 321848108391401). Local number, 23S.18W.12.333.

LOCATION.--Lat 32°18'49", long 108°39'22", Hydrologic Unit 15040003.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 220 ft, perforations 100-220 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,240 ft above National Geodetic Vertical Datum of 1929. Measuring point: end of entry port pipe, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.02 ft below land-surface datum, Jan. 11, 1958; lowest measured, 190.45 ft below land-surface datum, Aug. 7, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 12	155.60

Animas Valley

315610108483901 (formerly 315645108493501). Local number, 27S.19W.20.343.

LOCATION.--Lat 31°56'10", long 108°48'41", Hydrologic Unit 15040003.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 358 ft, cased to 358 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,414 ft above National Geodetic Vertical Datum of 1929. Measuring point: top edge of 1 1/4-in. pipe in concrete pump base, 1.25 ft above land-surface datum.

REMARKS.--"S" indicates nearby well pumping.

PERIOD OF RECORD.--July 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.90S ft below land-surface datum, July 29, 1949; lowest measured, 208.30 ft below land-surface datum, Jan. 6, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 12	205.38

GROUND-WATER LEVELS
HIDALGO COUNTY—Continued
San Simon Valley

315738109004001. Local number, 27S.21W.17.124.

LOCATION.--Lat 31°57'38", long 109°00'42", Hydrologic Unit 15040006.

AQUIFER.--Bolson.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 220 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,080 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in west side of pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1978, January 1980, July 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.98 ft above land-surface datum, Jan. 10, 1980; lowest measured, 158.45 ft below land-surface datum, January 30, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 12	147.36

San Simon Valley

315048109010201 (formerly 315010108570001). Local number, 28S.21W.30.222.

LOCATION.--Lat 31°50'51", long 109°01'06", Hydrologic Unit 15040006.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 8 in., depth 471 ft, cased to 471 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,115 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in west side of casing, 0.70 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--January 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110.88 ft below land-surface datum, Jan. 15, 1969; lowest measured, 170.62P ft below land-surface datum, Aug. 9, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	125.00	FEB 27	127.40
WATER YEAR 2005 HIGHEST 125.00 JAN 12, 2005		LOWEST 127.40 FEB 27, 2005	

Playas Valley

313502108275001. Local number, 31S.16W.33.233.

LOCATION.--Lat 31°35'02", long 108°27'52", Hydrologic Unit 13030201.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 16 in., depth 654 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,404 ft above National Geodetic Vertical Datum of 1929. Measuring point: bottom edge of shelf, 4.05 ft above land-surface datum.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.70 ft below land-surface datum, Apr. 1973; lowest measured, 61.45 ft below land-surface datum, July 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 07	52.32

LEA COUNTY

Tatum-Lovington-Hobbs Area

332115103403301. Local number, 11S.32E.24.113222.

LOCATION.--Lat 33°21'15", long 103°40'35", Hydrologic Unit 12080001.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 4 1/2 in., depth 110 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 4,336 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of shelter door, 3.43 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.56 ft above land-surface datum, Mar. 2, 1989 (from recorder); lowest measured, 62.67 ft below land-surface datum, Apr. 19 and 20, 1993 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	59.93	59.97	59.93	59.93	59.92	59.90	59.91	59.89	59.91	59.91	59.89	59.90
10	59.95	59.97	59.94	59.93	59.91	59.90	59.91	59.88	59.90	59.91	59.89	59.90
15	59.94	59.96	59.94	59.93	59.91	59.89	59.92	59.89	59.90	59.90	59.90	59.90
20	59.96	59.96	59.93	59.92	59.91	59.89	59.91	59.90	59.91	59.90	59.89	59.90
25	59.96	59.96	59.94	59.92	59.91	59.90	59.89	59.89	59.91	59.89	59.90	59.89
EOM	59.95	59.95	59.94	59.92	59.91	59.90	59.90	59.91	59.91	59.90	59.89	59.89

Tatum-Lovington-Hobbs Area

331713103283301 (formerly 331740103285001). Local number, 12S.34E.11.42134.

LOCATION.--Lat 33°17'31", long 103°28'34", Hydrologic Unit 12080006.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 15 in., depth 87 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,144 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of concrete pump base, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.57 ft below land-surface datum, May 24, 1949; lowest measured, 34.03 ft below land-surface datum, Aug. 9, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 08	32.60

GROUND-WATER LEVELS

LEA COUNTY—Continued

Tatum-Lovington-Hobbs Area

330458103251001 (formerly 330455103251301). Local number, 14S.35E.28.111133.

LOCATION.--Lat 33°04'55", long 103°25'16", Hydrologic Unit 12080003.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 5 in., depth 137 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,031 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.05 ft below land-surface datum, Jan. 5, 1994; lowest measured, 44.73 ft below land-surface datum, Aug. 7, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 07	43.60

Tatum-Lovington-Hobbs Area

330405103194501 (formerly 330400103193401). Local number, 14S.36E.32.12121.

LOCATION.--Lat 33°04'06", long 103°19'45", Hydrologic Unit 12080003.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth and casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,950 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of concrete pump base, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.38 ft below land-surface datum, Jan. 19, 1949; lowest measured, 76.14 ft below land-surface datum, Aug. 19, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 07	74.55

GROUND-WATER LEVELS

437

LEA COUNTY—Continued

Tatum-Lovington-Hobbs Area

325730103213901 (formerly 325703103213201). Local number, 16S.36E.04.32232.

LOCATION.--Lat 32°57'30", long 103°21'41", Hydrologic Unit 12080003.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 13 in., depth 212 ft, perforated 80-208 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 3,926 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 4.25 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.15 ft below land-surface datum, Sept. 30, 2005 (from recorder); lowest measured, 67.11 ft below land-surface datum, Aug. 24, 1971 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.66	57.36	57.14	56.93	56.72	56.65	56.54	56.46	56.34	56.38	56.47	56.27
10	57.63	57.32	57.13	56.89	56.72	56.63	56.51	56.40	56.33	56.38	56.45	56.25
15	57.57	57.27	57.09	56.87	56.70	56.60	56.50	56.37	56.32	56.43	56.41	56.24
20	57.51	57.24	57.04	56.85	56.69	56.58	56.50	56.39	56.33	56.47	56.37	56.21
25	57.48	57.18	57.02	56.81	56.68	56.57	56.48	56.38	56.34	56.47	56.35	56.20
EOM	57.39	57.17	56.97	56.80	56.66	56.55	56.47	56.36	56.35	56.48	56.29	56.15

Tatum-Lovington-Hobbs Area

325132103112501. Local number, 17S.38E.07.111311.

LOCATION.--Lat 32°51'20", long 103°11'47", Hydrologic Unit 12080003.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 125 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,728.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: edge of pipe on west side of pump, 0.95 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--July 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.59 ft below land-surface datum, Mar. 21, 1952; lowest measured, 82.44P ft below land-surface datum, Aug. 26, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 04	74.65

GROUND-WATER LEVELS

LEA COUNTY—Continued

Tatum-Lovington Hobbs Area

324745103082001. Local number, 17S.38E.34.113143.

LOCATION.--Lat 32°47'45", long 103°08'40", Hydrologic Unit 12080003.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 125 ft, cased to 90 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,664.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.40 ft above land-surface datum.

PERIOD OF RECORD.--November 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.78 ft below land-surface datum, Jan. 15, 1944; lowest measured, 78.84 ft below land-surface datum, July 10, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 04	76.69

LUNA COUNTY

Nutt-Hockett

322927107220101 (formerly 322930107221001). Local number, 21S.05W.08.444.

LOCATION.--Lat 32°29'27", long 107°22'03", Hydrologic Unit 13030202.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 435 ft, cased to 435 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,530 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in northeast side of pump shell, 1.60 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--November 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.06 ft below land-surface datum, Jan. 17, 1962; lowest measured, 230.35 ft below land-surface datum, Jan. 3, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 11	224.46

Mimbres Valley

321352107493901. Local number, 24S.10W.12.431.

LOCATION.--Lat 32°13'44", long 107°49'44", Hydrologic Unit 13030202.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Dug and drilled water-table unused well, diameter 36 in., reported depth 132 ft.

INSTRUMENTATION.--Recorder removed. Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,363 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelter shelf, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--April 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.66 ft below land-surface datum, Apr. 17, 1939; lowest measured, 124.73 ft below land-surface datum, July 24, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	113.4	DEC 27	112.0	MAR 31	110.43	JUN 29	113.08				
NOV 24	112.8	FEB 28	110.98	APR 29	111.92	AUG 31	113.58				
WATER YEAR 2005		HIGHEST	110.43	MAR 31, 2005		LOWEST	113.58	AUG 31, 2005			

LUNA COUNTY—Continued

Mimbres Valley

321328107565301 (formerly 321415107565501). Local number, 24S.11W.14.122.

LOCATION.--Lat 32°13'28", long 107°56'55", Hydrologic Unit 13030202.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., reported depth 350 ft, cased to 198 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,401 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 1-in. hole in pump base, 0.80 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--July 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.66 ft below land-surface datum, Jan. 23, 1952; lowest measured, 239.20P ft below land-surface datum, Aug. 10, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 10	170.40

Mimbres Valley

321010107260201 (formerly 321015107260501). Local number, 25S.06W.02.111.

LOCATION.--Lat 32°10'10", long 107°26'04", Hydrologic Unit 13030202.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Drilled artesian irrigation well, diameter 16 in., depth 235 ft, perforated 180-235 ft, gravel packed.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,080 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.30 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--April 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.45 ft below land-surface datum, Mar. 14, 1953; lowest measured, 120.90P ft below land-surface datum, Apr. 22, 1952.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 10	15.05

Mimbres Valley

320918107293301 (formerly 320915104294501). Local number, 25S.06W.07.211.

LOCATION.--Lat 32°09'18", long 107°29'35", Hydrologic Unit 13030202.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 230 ft, cased to 230 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,084.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in pump base, 1.20 ft above land-surface datum (since Jan. 15, 1966).

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--January 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.34 ft below land-surface datum, Mar. 14, 1953; lowest measured, 169.70P ft below land-surface datum, Apr. 8, 1960.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 10	81.55

GROUND-WATER LEVELS

LUNA COUNTY—Continued

Mimbres Valley

315517107375001 (formerly 315525107374501). Local number, 27S.08W.35.122.

LOCATION.--Lat 31°55'17", long 107°37'52", Hydrologic Unit 13030202.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 12 to 8 in., depth 550 ft, cased to 550 ft, perforated 155-550 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,074 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.20 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--June 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.84 ft below land-surface datum, Mar. 16, 1953; lowest measured, 198.60P ft below land-surface datum, Aug. 9, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 10	75.10

Mimbres Valley

315903107424501 (formerly 315905107425001). Local number, 27S.09W.01.431.

LOCATION.--Lat 31°59'03", long 107°42'47", Hydrologic Unit 13030202.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 62 ft, cased to 62 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,124 ft above National Geodetic Vertical Datum of 1929. Measuring point: top edge of rectangular hole in pump base, 0.65 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.61 ft below land-surface datum, Jan. 19, 1954; lowest measured, 51.50P ft below land-surface datum, Apr. 11, 1960, Aug. 15, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 10	41.00

McKINLEY COUNTY

San Juan Basin

352023107473201. Local number, 13N.09W.21.4123.

LOCATION.--Lat 35°20'23", long 107°47'34", Hydrologic Unit 13020207.

AQUIFER.--Morrison Formation.

WELL CHARACTERISTICS.--Drilled water-table unused stock well, diameter 6 in., depth 155 ft, cased to 155 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,785 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--December 1955 - October 1957, June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.30 ft below land-surface datum, Feb. 22, 1978; lowest measured, 144.80 ft below land-surface datum, Dec. 8, 1955.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
MAR 09	

McKINLEY COUNTY—Continued

San Juan Basin

353645108011501. Local number, 16N.11W.17.4322.

LOCATION.--Lat 35°36'44", long 108°01'21", Hydrologic Unit 14080106.

AQUIFER.--Gallup Sandstone.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 5/8 in., depth 570 ft, cased to 570 ft, perforated 470-570 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 7,070 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.53 ft above land-surface datum.

PERIOD OF RECORD.--July 1959, February 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 246.27 ft below land-surface datum, Feb. 29, 2000; lowest measured, 318.28 ft below land-surface datum, July 21, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
MAR 07	284.75

San Juan Basin

353521108284901. Local number, 16N.16W.25.142.

LOCATION.--Lat 35°35'20", long 108°28'54", Hydrologic Unit 15020006.

AQUIFER.--Entrada Sandstone.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 8 3/4 in., depth 1,052 ft, cased to 1,052 ft, perforated 628-896, 974-1,033 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 7,115 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in cover plate, 0.80 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--October 1965, June 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.55 ft below land-surface datum, Feb. 2, 1995; lowest measured, 183.05P ft below land-surface datum, Feb. 25, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 09	161.24	SEP 09	130.37
WATER YEAR 2005	HIGHEST 130.37	SEP 09, 2005	LOWEST 130.37
		SEP 09, 2005	

San Juan Basin

354235108170702. Local number, 17N.14W.13.1144B.

LOCATION.--Lat 35°42'35", long 108°17'09", Hydrologic Unit 14080106.

AQUIFER.--Morrison Sandstone.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 8 5/8 in. 0-2,225 ft, total depth 2,225 ft. Perforated 1,820-2,225 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,757.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3/8-in. plug, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--August 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 234.76 ft below land-surface datum, Sept. 21, 2005; lowest measured, 350.38 ft below land-surface datum, Oct. 8, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 09	135.72	SEP 21	234.76
WATER YEAR 2005	HIGHEST 135.72	MAR 09, 2005	LOWEST 234.76
		SEP 21, 2005	

GROUND-WATER LEVELS
McKINLEY COUNTY—Continued
San Juan Basin

354235108170703. Local number, 17N.14W.13.1144C.

LOCATION.--Lat 35°42'35", long 108°17'09", Hydrologic Unit 14080106.

AQUIFER.--Dakota Sandstone.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 8 5/8 in. 0-54 ft, 6 5/8 in. 54-1,728 ft. Perforated 1,587-1,728 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,757.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3/8-in. plug, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--August 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.21 ft below land-surface datum, Aug. 4, 1982; lowest measured, 126.35 ft below land-surface datum, July 11, 1994, Feb. 02 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 09	123.98	SEP 21	123.99
WATER YEAR 2005 HIGHEST 123.98 MAR 09, 2005 LOWEST 123.99 SEP 21, 2005			

QUAY COUNTY

House Area

343848103555801. Local number, 05N.28E.23.222232.

LOCATION.--Lat 34°38'54", long 103°56'12", Hydrologic Unit 13060004.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table stock well, diameter 6 in., depth 93.5 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,788 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, west side, 2.00 ft above land-surface datum.

REMARKS.--"R" indicates well recently pumped.

PERIOD OF RECORD.--January 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.46 ft below land-surface datum, Sept. 20, 1995; lowest measured, 84.22R ft below land-surface datum, Feb. 18, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 09	79.17

House Area

343855103482901 (formerly 343810103463001). Local number, 05N.30E.18.331311.

LOCATION.--Lat 34°39'01", long 103°48'44", Hydrologic Unit 13060004.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 75 ft, cased to 60 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,634 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of concrete pump base, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--May 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.76 ft below land-surface datum, Mar. 28, 1946; lowest measured, 62.49 ft below land-surface datum, Feb. 9, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 09	62.49

QUAY COUNTY—Continued

House Area

34440610355501. Local number, 06N.28E.13.33333.

LOCATION.--Lat 34°44'11", long 103°56'10", Hydrologic Unit 13060004.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled domestic well, diameter 16 in., depth 131 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,816 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in. hole in cover plate, 0.40 ft above land-surface datum.

PERIOD OF RECORD.--January 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.47 ft below land-surface datum, Jan. 20, 1948; lowest measured, 120.20 ft below land-surface datum, Sept. 24, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 09	119.64

Lower Canadian

351040103433602. Local number, 11N.30E.14.144D.

LOCATION.--Lat 35°10'40", long 103°43'38", Hydrologic Unit 11080006.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused test well, diameter 6 in., depth 295 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,080 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 1.5-in. pipe extension, 4.20 ft above land-surface datum.

PERIOD OF RECORD.--December 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.20 ft below land-surface datum, Sept. 9, 1963; lowest measured, 137.66 ft below land-surface datum, Dec. 16, 1952.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	66.84	SEP 12	94.35
WATER YEAR 2005	HIGHEST	94.35	SEP 12, 2005
	LOWEST	94.35	SEP 12, 2005

Northern High Plains

354238103132301. Local number, 17N.35E.16.221.

LOCATION.--Lat 35°42'38", long 103°13'25", Hydrologic Unit 11090101.

AQUIFER.--Dakota Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter unknown, depth 250 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,465 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in south side of pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 159.30 ft below land-surface datum, Apr. 10, 1991; lowest measured, 182.59 ft below land-surface datum, Sept. 12, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	161.35	SEP 12	182.59
WATER YEAR 2005	HIGHEST	161.35	MAR 28, 2005
	LOWEST	182.59	SEP 12, 2005

GROUND-WATER LEVELS

ROOSEVELT COUNTY

Portales Valley

341014103264401. Local number, 01S.33E.35.434344.

LOCATION.--Lat 34°10'14", long 103°26'43", Hydrologic Unit 12050002.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 16 in., depth 84 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,066 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelter apron, 3.24 ft above land-surface datum.

PERIOD OF RECORD.--April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 66.37 ft below land-surface datum, Apr. 25, 1996; lowest measured, 69.13 ft below land-surface datum, Feb. 16, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 16	69.13

Portales Valley

341037103254501. Local number, 01S.33E.36.23111.

LOCATION.--Lat 34°10'52", long 103°25'52", Hydrologic Unit 12050002.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 18 in., depth 105 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,048 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--January 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.19 ft below land-surface datum, Jan. 25, 1952; lowest measured, 97.47 ft below land-surface datum, Aug. 21, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 16	97.13

Causey-Lingo Area

334700103030601 (formerly 335655103032001). Local number, 06S.38E.21.233131.

LOCATION.--Lat 33°46'57", long 103°03'14", Hydrologic Unit 12050001.

AQUIFER.--Undifferentiated Cretaceous rocks.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 140 ft, cased to 140 ft, casing slotted 100-140 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,939 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 1-in. hole in north side of pump, 2.10 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--January 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.18 ft below land-surface datum, Jan. 31, 1956; lowest measured, 115.21 ft below land-surface datum, Aug. 11, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 13	95.15

SANDOVAL COUNTY

Bernalillo Area

352121106285501 (formerly 352235106282401). Local number, 13N.04E.12.112.

LOCATION.--Lat 35°21'21", long 106°28'57", Hydrologic Unit 13020201.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 50 ft, cased.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,130 ft above National Geodetic Vertical Datum of 1929. Measuring point: lower inside edge of hole in south side of casing, 0.45 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.57 ft below land-surface datum, July 18, 1991; lowest measured, 26.67 ft below land-surface datum, July 30, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
JAN 13	23.90

SAN JUAN COUNTY

San Juan Basin

364744108225001. Local number, 30N.15W.23.4411.

LOCATION.--Lat 36°47'45", long 108°22'55", Hydrologic Unit 14080105.

AQUIFER.--Pictured Cliffs Sandstone.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 5 in., depth 729.5 ft, cased to 729.5 ft, perforated 613-729.5 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,290 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.00 ft above land-surface datum.

REMARKS.--"S" indicates nearby well pumping.

PERIOD OF RECORD.--February 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.75 ft below land-surface datum, Feb. 21, 1978; lowest measured, 234.54S ft below land-surface datum, Mar. 7, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
MAR 07	234.54

GROUND-WATER LEVELS

SAN MIGUEL COUNTY

Las Vegas Area

353346105145201. Local number, 15N.16E.04.242.

LOCATION.--Lat 35°33'47", long 105°14'52", Hydrologic Unit 13060001.

AQUIFER.--Santa Rosa Sandstone.

WELL CHARACTERISTICS.--Drilled water-table municipal well, diameter 10 in. 0-612 ft, 7 in. 612-772 ft, depth 815 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,462 ft above National Geodetic Vertical Datum of 1929. Measuring point: entry port, west side of pump base, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--December 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.82 ft below land-surface datum, Dec. 15, 1999; lowest measured, 54.78 ft below land-surface datum, Mar. 26, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	28.00	SEP 22	27.13
WATER YEAR 2005	HIGHEST 28.00	MAR 28, 2005	LOWEST 28.00

Las Vegas Area

353418105145601. Local number, 16N.16E.33.143.

LOCATION.--Lat 35°34'18", long 105°14'57", Hydrologic Unit 13060001.

AQUIFER.--Santa Rosa Sandstone.

WELL CHARACTERISTICS.--Drilled water-table municipal well, diameter 10 in. 0-596 ft, 8 in. 596-824 ft, depth 829 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,477 ft above National Geodetic Vertical Datum of 1929. Measuring point: entry port, west side of pump base, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--December 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.81 ft below land-surface datum, July 27, 2001; lowest measured, 116.26 ft below land-surface datum, Mar. 26, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	86.98	SEP 22	84.05
WATER YEAR 2005	HIGHEST 84.05	SEP 22, 2005	LOWEST 86.98

GROUND-WATER LEVELS

447

SANTA FE COUNTY

Estancia Valley

350534106024801 (formerly 350525106025001). Local number, 10N.08E.13.1332.

LOCATION.--Lat 35°05'35", long 106°02'55", Hydrologic Unit 13050001.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 513 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,274 ft above National Geodetic Vertical Datum of 1929. Measuring point: lower inside edge of hole in south side of casing, 0.45 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--February 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.75 ft below land-surface datum, Feb. 22, 1950; lowest measured, 181.55P ft below land-surface datum, Aug. 4, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 03	162.25	AUG 11	
WATER YEAR 2005	HIGHEST 162.25	FEB 03, 2005	LOWEST 162.25 FEB 03, 2005

Estancia Valley

350344106004601 (formerly 350340106005001). Local number, 10N.09E.29.1334.

LOCATION.--Lat 35°03'45", long 106°00'48", Hydrologic Unit 13050001.

AQUIFER.--Glorieta Sandstone of Permian age.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 14 in., reported depth 200 ft, cased to 140 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,248 ft above National Geodetic Vertical Datum of 1929. Measuring point: top edge of 3-in. pipe on north side of pump, 1.30 ft above land-surface datum.

REMARKS.--"S" indicates nearby well pumping.

PERIOD OF RECORD.--February 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.00 ft below land-surface datum, May 4, 1949; lowest measured, 146.28S ft below land-surface datum, Sept. 2, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 08	135.14	AUG 11	148.46
WATER YEAR 2005	HIGHEST 135.14	FEB 08, 2005	LOWEST 148.46 AUG 11, 2005

GROUND-WATER LEVELS
SANTA FE COUNTY—Continued
Estancia Valley

350859106002901. Local number, 11N.09E.29.143.

LOCATION.--Lat 35°08'60", long 106°00'32", Hydrologic Unit 13050001.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 15 in., depth unknown.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,274 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.93 ft below land-surface datum, Apr. 1, 1987; lowest measured, 151.72 ft below land-surface datum, Sept. 14, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER		WATER			
	DATE	LEVEL	DATE	LEVEL		
	FEB 03	152.2	AUG 11	152.58		
WATER YEAR 2005	HIGHEST	152.2	FEB 03, 2005	LOWEST	152.58	AUG 11, 2005

Santa Fe Area

353516106035801. Local number, 16N.08E.26.32112.

LOCATION.--Lat 35°35'16", long 106°04'00", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of Santa Fe Group.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 10 in., depth 160 ft, cased to 160 ft, perforated 125-160 ft.

INSTRUMENTATION.--Digital recorder, 1-hour measurement.

DATUM.--Elevation of land-surface datum is 6,285 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.25 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 125.62 ft below land-surface datum, June 11, 1973; lowest recorded, 132.54 ft below land-surface datum, July 18, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	131.49	131.53	131.51	131.61	131.50	131.60	131.62	131.57	131.61	131.60	131.64	131.66
10	131.50	131.57	131.59	131.52	131.58	131.54	131.62	131.55	131.62	131.62	131.64	131.68
15	131.48	131.54	131.53	131.61	131.59	131.63	131.58	131.58	131.61	131.65	131.66	131.69
20	131.53	131.54	131.49	131.54	131.60	131.52	131.58	131.61	131.64	131.66	131.68	131.66
25	131.53	131.53	131.57	131.56	131.57	131.58	131.59	131.61	131.63	131.62	131.66	131.69
EOM	131.48	131.60	131.54	131.61	131.57	131.64	131.58	131.62	131.64	131.64	131.69	131.66

GROUND-WATER LEVELS

449

SANTA FE COUNTY—Continued

Santa Fe Area

353945105574501. Local number, 17N.09E.35.1314A.

LOCATION.--Lat 35°39'45", long 105°57'47", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of Santa Fe Group.

WELL CHARACTERISTICS.--Drilled monitoring well, diameter 2 in., depth 1,952 ft, screened interval 1,917-1,922 ft.

INSTRUMENTATION.--Pressure transducer, 1-hour measurements.

DATUM.--Elevation of land-surface datum is 6,880 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.60 ft above land-surface datum.

REMARKS.--Records fair. Water level dropped below transducer Oct. 18 - Dec. 9.

PERIOD OF RECORD.--Periodic steel-tape measurements September 1986 to current year; recorder October 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.05 ft below land-surface datum, July 25, 1988; lowest measured, 110.15 ft below land-surface datum, Sept. 27, 2005 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	104.16	---	---	106.38	106.87	106.66	107.65	107.49	108.15	108.60	109.16	109.57
10	104.23	---	106.13	106.40	107.11	106.61	107.70	107.50	108.24	108.72	109.14	109.56
15	105.11	---	106.21	106.25	107.09	106.61	107.67	107.74	108.99	108.88	109.18	109.68
20	---	---	106.17	106.67	107.13	106.68	107.29	107.82	109.13	108.93	109.28	109.89
25	---	---	106.34	106.74	106.86	107.06	107.23	107.91	108.51	108.92	109.34	109.87
EOM	---	---	106.42	106.91	106.67	107.59	107.44	107.99	108.48	109.00	109.43	109.83

Santa Fe Area

353945105574502. Local number, 17N.09E.35.1314B.

LOCATION.--Lat 35°39'45", long 105°57'47", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of Santa Fe Group.

WELL CHARACTERISTICS.--Drilled monitoring well, diameter 2 in., depth 1,060 ft, screened interval 1,025-1,030 ft.

INSTRUMENTATION.--Pressure transducer, 1-hour measurements.

DATUM.--Elevation of land-surface datum is 6,880 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.70 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--Periodic steel-tape measurements, September 1986 to current year; recorder October 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 181.7 ft below land-surface datum, Sept. 26, 1986; lowest measured, 232.96 ft below land-surface datum, Sept. 6-7, 2003 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	226.12	225.09	222.89	220.67	218.93	216.34	217.07	215.68	215.54	215.38	216.34	216.83
10	225.84	224.69	222.66	220.29	218.60	216.43	216.77	215.63	215.53	215.64	216.51	216.75
15	227.00	224.40	222.27	218.85	218.37	216.36	216.13	215.67	216.68	215.82	216.59	216.67
20	226.51	223.97	221.88	220.08	218.08	216.40	215.21	215.65	216.63	215.91	216.67	216.69
25	225.93	223.58	221.53	219.66	217.22	216.38	215.38	215.59	215.06	216.00	216.74	216.58
EOM	225.32	223.29	221.08	219.30	216.39	217.45	215.56	215.54	215.07	216.17	216.77	216.42

GROUND-WATER LEVELS
SANTA FE COUNTY—Continued

Santa Fe Area

353945105574503. Local number, 17N.09E.35.1314C.

LOCATION.--Lat 35°39'45", long 105°57'47", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of Santa Fe Group.

WELL CHARACTERISTICS.--Drilled monitoring well, diameter 2 in., depth 780 ft, screened interval 669-674 ft.

INSTRUMENTATION.--Pressure transducer, 1-hour measurements.

DATUM.--Elevation of land-surface datum is 6,880 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 3.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--Periodic steel-tape measurements, September 1986 to current year; recorder October 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 242.00 ft below land-surface datum, Oct. 17, 1998 (from recorder); lowest measured, 352.75 ft below land-surface datum, Sept. 18, 2004 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	352.21	306.40	301.92	299.82	300.00	327.62	305.78	337.32	340.31	338.78	343.23	342.07
10	352.00	305.32	301.51	299.61	300.37	334.24	302.80	338.11	340.82	340.27	343.18	342.06
15	333.40	304.45	301.29	314.22	300.04	336.72	301.73	338.72	328.90	341.24	343.00	342.07
20	316.32	303.66	300.98	308.87	299.36	338.10	319.90	339.11	312.37	341.90	342.69	342.43
25	310.56	303.02	300.54	303.43	299.38	338.08	331.85	339.27	321.29	342.30	342.69	342.42
EOM	307.68	302.16	300.14	300.87	308.93	313.41	335.72	339.88	334.45	342.92	342.51	342.42

Santa Fe Area

355000106092802. Local number, 19N.07E.36.3113B.

LOCATION.--Lat 35°50'00", long 106°09'30", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of Santa Fe Group.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 4.5 in., depth 824 ft, screened 802-812 ft.

INSTRUMENTATION.--Transducer and data logger, 1-hour measurements.

DATUM.--Elevation of land-surface datum is 5,540 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1.80 ft above land-surface datum.

REMARKS.--Records fair, except for many days missing due to transducer oversubmergence.

PERIOD OF RECORD.--Periodic steel-tape measurements July 1986 to current year; recorder February 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.03 ft below land-surface datum, Mar. 11, 1987; lowest measured, 519.10 ft below land-surface datum, Nov. 24, 1999 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	215.31	211.20	201.95	190.80	180.67	174.52	---	168.71	167.57	170.11	169.38	169.68
10	214.57	209.55	200.26	189.03	179.11	173.78	170.82	168.41	174.52	169.94	169.23	169.45
15	213.61	208.17	198.42	186.93	177.90	173.12	170.54	168.26	170.98	169.62	169.09	169.83
20	212.52	206.62	196.69	185.25	176.65	172.61	169.84	168.00	169.81	169.31	169.25	169.85
25	211.54	205.19	194.85	183.84	175.86	172.41	169.35	167.70	169.57	169.35	169.46	170.01
EOM	213.07	203.61	193.00	181.87	175.38	171.90	168.98	167.51	169.90	169.31	169.66	170.29

GROUND-WATER LEVELS

SANTA FE COUNTY—Continued

Santa Fe Area

355000106092803. Local number, 19N.07E.36.3113C.

LOCATION.--Lat 35°50'00", long 106°09'30", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of Santa Fe Group.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 4.5 in., depth 356 ft, screened 324-334 ft.

INSTRUMENTATION.--Transducer and data logger, 1-hour measurements.

DATUM.--Elevation of land-surface datum is 5,540 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1.80 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--Periodic steel-tape measurements, July 1986 to current year; recorder July 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.54 ft below land-surface datum, Mar. 11, 1987; lowest measured, 235.27 ft below land-surface datum, Oct. 23, 2003 (from recorder).

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	212.86	210.15	204.87	199.53	194.73	191.72	187.70	184.53	181.89	181.18	178.85	177.15
10	212.26	209.18	204.41	198.75	194.42	191.03	186.89	183.84	185.65	180.58	178.39	176.77
15	211.62	208.48	203.40	198.02	193.58	190.41	186.68	183.61	183.34	180.30	178.24	176.75
20	211.13	207.43	202.33	197.05	192.94	189.67	185.89	183.20	182.39	179.86	178.13	176.54
25	210.52	206.64	201.64	196.39	192.58	189.18	185.29	182.68	181.71	179.47	177.80	176.06
EOM	210.68	205.97	200.53	195.50	192.21	---	185.00	182.21	181.55	179.11	177.35	175.74

Santa Fe Area

355002106093701. Local number, 19N.07E.35.4222A.

LOCATION.--Lat 35°50'02", long 106°09'39", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of the Santa Fe Group.

WELL CHARACTERISTICS.--Drilled monitor well, diameter 4 in., depth 300 ft, screen interval 274-284 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,480 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1988, June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.96 ft below land-surface datum, Jan. 15, 1988; lowest measured, 186.62 ft below land-surface datum, Sept. 8, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	155.10	JAN 20	142.19	MAR 23	137.21	JUN 28	131.24	AUG 23	128.61		
DEC 09	149.59	FEB 15	139.74	MAY 18	134.42	JUL 19	130.19	SEP 21	127.48		
WATER YEAR 2005		HIGHEST	127.48	SEP 21, 2005	LOWEST	155.10	NOV 09, 2004				

GROUND-WATER LEVELS
SANTA FE COUNTY—Continued

Santa Fe Area

355002106093702. Local number, 19N.07E.35.4222B.

LOCATION.--Lat 35°50'02", long 106°09'39", Hydrologic Unit 13020201.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled monitor well, diameter 4 in., depth 170 ft, screen interval 149-159 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,480 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--1988, May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.44 ft below land-surface datum, Aug. 17, 1988; lowest measured, 20.25 ft below land-surface datum, Mar. 17, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	16.09	JAN 20	16.97	MAR 23	16.05	JUN 28	13.82	AUG 23	13.58		
DEC 09	16.66	FEB 15	17.25	MAY 18	14.63	JUL 19	13.90	SEP 21	13.30		
WATER YEAR 2005		HIGHEST	13.30	SEP 21, 2005	LOWEST	17.25	FEB 15, 2005				

Santa Fe Area

355002106093703. Local number, 19N.07E.35.4222C.

LOCATION.--Lat 35°50'02", long 106°09'39", Hydrologic Unit 13020201.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled monitor well, diameter 4 in., depth 60 ft, screen interval 40-50 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,480 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--1988, May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.88 ft below land-surface datum, June 23, 1999; lowest measured, 17.75 ft below land-surface datum, Nov. 18, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	16.40	JAN 20	16.53	MAR 23	16.61	JUN 28	15.15	AUG 23	17.28		
DEC 09	16.30	FEB 15	16.66	MAY 18	14.89	JUL 19	16.49	SEP 21	17.47		
WATER YEAR 2005		HIGHEST	14.89	MAY 18, 2005	LOWEST	17.47	SEP 21, 2005				

SANTA FE COUNTY—Continued

Santa Fe Area

355003106094301. Local number, 19N.07E.35.4212A.

LOCATION.--Lat 35°50'03", long 106°09'45", Hydrologic Unit 13020201.

AQUIFER.--Tesuque Formation of the Santa Fe Group.

WELL CHARACTERISTICS.--Drilled monitor well, diameter 4 in., depth 304 ft, screen interval 260-270 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,470 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--January 1988, June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.86 ft below land-surface datum, Jan. 15, 1988; lowest measured, 156.00 ft below land-surface datum, Sept. 8, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	132.54	JAN 20	122.19	MAR 23	118.89	JUN 28	113.90	AUG 23	111.95		
DEC 09	127.62	FEB 15	119.50	MAY 18	114.32	JUL 19	113.15	SEP 21	111.08		
WATER YEAR 2005		HIGHEST	111.08	SEP 21, 2005	LOWEST	132.54	NOV 09, 2004				

Santa Fe Area

355003106094302. Local number, 19N.07E.35.4212B.

LOCATION.--Lat 35°50'03", long 106°09'45", Hydrologic Unit 13020201.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled monitor well, diameter 4 in., depth 130 ft, screen interval 110-120 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,470 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--1988, May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.30 ft above land-surface datum, Aug. 17, 1988; lowest measured, 7.81 ft below land-surface datum, July 22, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	4.77	JAN 20	5.32	MAR 23	4.85	JUN 28	2.82	AUG 23	3.57		
DEC 09	5.09	FEB 15	5.66	MAY 18	3.24	JUL 19	3.30	SEP 21	3.63		
WATER YEAR 2005		HIGHEST	2.82	JUN 28, 2005	LOWEST	5.66	FEB 15, 2005				

GROUND-WATER LEVELS
SANTA FE COUNTY—Continued

Santa Fe Area

355003106094303. Local number, 19N.07E.35.4212C.

LOCATION.--Lat 35°50'03", long 106°09'45", Hydrologic Unit 13020201.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled monitor well, diameter 4 in., depth 60 ft, screen interval 40-50 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,470 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--1988, May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.45 ft below land-surface datum, Oct. 21, 1997; lowest measured, 13.06 ft below land-surface datum, Nov. 18, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	12.20	JAN 20	12.17	MAR 23	11.98	JUN 28	9.99	AUG 23	12.59		
DEC 09	11.84	FEB 15	12.12	MAY 18	9.68	JUL 19	11.64	SEP 21	12.79		
WATER YEAR 2005		HIGHEST	9.68	MAY 18, 2005	LOWEST	12.79	SEP 21, 2005				

Santa Fe Area

355006106094803. Local number, 19N.07E.35.4122C.

LOCATION.--Lat 35°50'06", long 106°09'50", Hydrologic Unit 13020201.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled monitor well, diameter 4 in., depth 74 ft, screen interval 49-59 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,455 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 1.90 ft above land-surface datum.

PERIOD OF RECORD.--January 1988, June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.29 ft below land-surface datum, June 24, 1997; lowest measured, 6.22 ft below land-surface datum, Nov. 18, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	5.40	JAN 20	5.27	MAR 23	4.99	JUN 28	2.82	AUG 23	5.37		
DEC 09	5.09	FEB 15	5.33	MAY 18	2.22	JUL 19	4.72	SEP 21	5.46		
WATER YEAR 2005		HIGHEST	2.22	MAY 18, 2005	LOWEST	5.46	SEP 21, 2005				

SIERRA COUNTY

Hot Springs Area

331002107150001. Local number, 13S.04W.21.213.

LOCATION.--Lat 33°10'02", long 107°15'02", Hydrologic Unit 13030101.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 13 in., depth unknown.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,355 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1-in. hole in west side of pump base, and 1.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.06 ft below land-surface datum, Aug. 30, 1996; lowest measured, 65.56 ft below land-surface datum, Feb. 25, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 15	54.17	AUG 17	52.31
WATER YEAR 2005 HIGHEST		52.31	AUG 17, 2005
LOWEST		54.17	FEB 15, 2005

Hot Springs Area

325921107185101 (formerly 325550107184001). Local number, 15S.05W.24.312.

LOCATION.--Lat 32°59'21", long 107°18'53", Hydrologic Unit 13030101.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth and casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,279 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.97 ft below land-surface datum, July 27, 1992; lowest measured, 47.49 ft below land-surface datum, July 26, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 15	42.59	AUG 17	45
WATER YEAR 2005 HIGHEST		42.59	FEB 15, 2005
LOWEST		42.59	FEB 15, 2005

Rincon Valley

325340107183001 (formerly 325350107175501). Local number, 16S.05W.25.211.

LOCATION.--Lat 32°53'40", long 107°18'32", Hydrologic Unit 13030102.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 10 in., depth 32 ft, cased to 32 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,198 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.29 ft below land-surface datum, Feb. 12, 1988; lowest measured, 25.95 ft below land-surface datum, Jan. 5, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 15	25.74	AUG 17	26.68
WATER YEAR 2005 HIGHEST		25.74	FEB 15, 2005
LOWEST		25.74	FEB 15, 2005

GROUND-WATER LEVELS

TAOS COUNTY

Sunshine Valley

365035105360501 (formerly 365036105355301). Local number, 30N.13E.18.1121.

LOCATION.--Lat 36°50'35", long 105°36'07", Hydrologic Unit 13020101.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 10 in., depth 500 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 7,597 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 68.67 ft below land-surface datum, Aug. 5, 1996; lowest measured, 77.33 ft below land-surface datum, Aug. 9, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
APR 11	72.32

Sunshine Valley

365644105363501 (formerly 365650105370001). Local number, 01S.74W.24.244.

LOCATION.--Lat 36°56'44", long 105°36'37", Hydrologic Unit 13020101.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 270 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 7,628 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183.40 ft below land-surface datum, Feb. 27, 1997; lowest measured, 213.53 ft below land-surface datum, Aug. 10, 1965.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
APR 08	186.07

TORRANCE COUNTY

Estancia Valley

343443106024401. Local number, 04N.09E.07.334.

LOCATION.--Lat 34°34'53", long 106°02'38", Hydrologic Unit 13050001.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 in., reported depth 163 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,118 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in northwest side of pump base, 1.50 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--February 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.70 ft below land-surface datum, Feb. 10, 1958; lowest measured, 139.43P ft below land-surface datum, Sept. 14, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 02	108.80	AUG 11	121.53
WATER YEAR 2005 HIGHEST 108.80 FEB 02, 2005 LOWEST 121.53 AUG 11, 2005			

TORRANCE COUNTY—Continued

Estancia Valley

344016106070901 (formerly 344016106064701). Local number, 05N.08E.08.424.

LOCATION.--Lat 34°40'19", long 106°07'50", Hydrologic Unit 13050001.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 204 ft, cased to 98 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,218 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in. plug in south side of discharge pipe, 1.80 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--March 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.03 ft below land-surface datum, Mar. 23, 1948; lowest measured, 165.70P ft below land-surface datum, Sept. 14, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 05	136.73	AUG 11	146.25
WATER YEAR 2005	HIGHEST 136.73	FEB 05, 2005	LOWEST 146.25
		AUG 11, 2005	

Estancia Valley

344234106070601 (formerly 344234106074901). Local number, 06N.08E.32.212.

LOCATION.--Lat 34°42'34", long 106°07'10", Hydrologic Unit 13050001.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., reported depth 209 ft, cased to 84 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,174 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 1 1/2-in. hole in pump base, 0.04 ft above land-surface datum.

PERIOD OF RECORD.--February 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.22 ft below land-surface datum, Feb. 18, 1947; lowest measured, 99.17 ft below land-surface datum, Sept. 14, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 04	95.57	AUG 11	
WATER YEAR 2005	HIGHEST 95.57	FEB 04, 2005	LOWEST 95.57
		FEB 04, 2005	

GROUND-WATER LEVELS
TORRANCE COUNTY—Continued

Estancia Valley

344604105574601 (formerly 344622105575501). Local number, 06N.09E.11.211.

LOCATION.--Lat 34°46'06", long 105°57'49", Hydrologic Unit 13050001.

AQUIFER.--Valley fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., reported depth 148 ft, cased to 140 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,086 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.75 ft above land-surface datum.

PERIOD OF RECORD.--May 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.07 ft below land-surface datum, May 4, 1949; lowest measured, 43.26 ft below land-surface datum, Sept. 2, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 16	25.30	AUG 11	36.27
WATER YEAR 2005 HIGHEST 25.30		FEB 16, 2005 LOWEST 36.27	
AUG 11, 2005			

Estancia Valley

344842106032701. Local number, 07N.08E.25.121.

LOCATION.--Lat 34°48'43", long 106°03'24", Hydrologic Unit 13050001.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 16 in., depth 200 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,131 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.30 ft below land-surface datum, Feb. 7, 1962; lowest measured, 78.48 ft below land-surface datum, Sept. 14, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 01	70.4	AUG 11	77.97
WATER YEAR 2005 HIGHEST 70.4		MAR 01, 2005 LOWEST 77.97	
AUG 11, 2005			

UNION COUNTY

Clayton Area

355144103041201 (formerly 360940103083501). Local number, 19N.36E.23.2444.

LOCATION.--Lat 35°51'44", long 103°04'14", Hydrologic Unit 11090102.

AQUIFER.--Dakota and Purgatoire Formations.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 14 in., depth 206 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,326 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 145.22 ft below land-surface datum, Mar. 17, 1971; lowest measured, 161.09 ft below land-surface datum, Oct. 24, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	152.46	SEP 12	152.34
WATER YEAR 2005		HIGHEST 152.34	SEP 12, 2005
		LOWEST 152.46	MAR 28, 2005

Clayton Area

361847103064701 (formerly 361910103170501). Local number, 24N.36E.17.244.

LOCATION.--Lat 36°18'47", long 103°06'49", Hydrologic Unit 11090103.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 20 in., depth 231 ft.

INSTRUMENTATION.--Continuous strip-chart recorder removed. Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,707 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--May 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.38 ft below land-surface datum, May 8, 1968; lowest measured, 110.60 ft below land-surface datum, Sept. 13, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29	109.13	SEP 13	110.60
WATER YEAR 2005		HIGHEST 109.13	MAR 29, 2005
		LOWEST 110.60	SEP 13, 2005

Clayton Area

362540103095001. Local number, 25N.35E.02.441.

LOCATION.--Lat 36°25'36", long 103°10'05", Hydrologic Unit 11090103.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter unknown, depth 185 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,984 ft above National Geodetic Vertical Datum of 1929. Measuring point: plugged hole in pump base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--December 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.14 ft below land-surface datum, Jan. 9, 1989; lowest measured, 106.85 ft below land-surface datum, Feb. 2, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29	93.98	SEP 13	98.19
WATER YEAR 2005		HIGHEST 93.98	MAR 29, 2005
		LOWEST 98.19	SEP 13, 2005

GROUND-WATER LEVELS
UNION COUNTY—Continued

Clayton Area

363410103064801. Local number, 27N.36E.17.434.

LOCATION.--Lat 36°34'10", long 103°06'50", Hydrologic Unit 11100101.

AQUIFER.--Ogalalla Formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 200 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,837 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, north side, 1.20 ft above land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.00 ft below land-surface datum, Feb. 3, 1970; lowest measured, 103.80P ft below land-surface datum, Feb. 24, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29		SEP 13	
WATER YEAR 2005 HIGHEST --		LOWEST --	

Capulin Area

364444104000201 (formerly 364430103595501). Local number, 29N.28E.18.341.

LOCATION.--Lat 36°44'44", long 104°00'04", Hydrologic Unit 11040001.

AQUIFER.--Cinders.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 78 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,820.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: edge of 2-in. hole in west side of steel plate, at land-surface datum.

REMARKS.--"P" indicates well pumping.

PERIOD OF RECORD.--August 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.01 ft below land-surface datum, Feb. 8, 1974; lowest measured, 53.38P ft below land-surface datum, Aug. 7, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29	35.12	SEP 13	35.22
WATER YEAR 2005 HIGHEST 35.22		SEP 13, 2005 LOWEST 35.22 SEP 13, 2005	

GROUND-WATER LEVELS

461

CHAVES COUNTY

Roswell Basin

330404104221201. Local number, 14S.26E.30.44444.

LOCATION.--Lat 33°04'00", long 104°22'15", Hydrologic Unit 13060007.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 8 5/8 in., depth 1,150 ft, cased to 740 ft, open hole 740-1,150 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,475 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.10 ft below land-surface datum, Feb. 11, 1993; lowest measured, 295.05 ft below land-surface datum, Aug. 21, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 16	72.57

EDDY COUNTY

Carlsbad Area

322238104101801 (formerly 322231104131001). Local number, 22S.27E.22.421333.

LOCATION.--Lat 32°22'36", long 104°10'23", Hydrologic Unit 13060011.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 150 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,095.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--September 1947 to January 1968, January 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.43 ft below land-surface datum, Sept. 15, 1950; lowest measured, 81.10 ft below land-surface datum, Aug. 8, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 17	47.52

Carlsbad Area

322120104151501. Local number, 22S.26E.25.333333 (formerly 22S.26E.36.111A).

LOCATION.--Lat 32°19'12", long 104°15'20", Hydrologic Unit 13060011.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 12 in., depth 260 ft, cased to 260 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,250 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.40 ft above land-surface datum.

PERIOD OF RECORD.--September 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.50 ft below land-surface datum, Oct. 14, 1942; lowest measured, 212.29 ft below land-surface datum, Aug. 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 17	149.92

GROUND-WATER LEVELS

EDDY COUNTY—Continued

Carlsbad Area

320604104284101 (formerly 320602104285201). Local number, 25S.24E.27.421121.

LOCATION.--Lat 32°06'04", long 104°28'52", Hydrologic Unit 13060011.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 101 ft, uncased.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,701 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--April 1952 to January 1966, January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.12 ft below land-surface datum, Aug. 22, 1988; lowest measured, 69.80 ft below land-surface datum, Aug. 27, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 17	58.55

Carlsbad Area

320316104294301 (formerly 320257104295201). Local number, 26S.24E.09.443111.

LOCATION.--Lat 32°02'54", long 104°29'57", Hydrologic Unit 13060011.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 100 ft, cased to 85 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,749.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of air-line flange support, 1.40 ft above land-surface datum.

PERIOD OF RECORD.--April 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.05 ft below land-surface datum, Feb. 10, 1988; lowest measured, 54.98 ft below land-surface datum, Sept. 8, 1965.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL
FEB 17	

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

EXPLANATION OF GEOLOGIC UNIT (AQUIFER) CODES
(LISTED FROM YOUNGEST TO OLDEST AGE; U-UPPER, M-MIDDLE, L-LOWER)

110 AVMB	Cenozoic, Quaternary, alluvium, bolson deposits, and other surface deposits
110 BLSN	Cenozoic, Quaternary, bolson fill
112 SNTF	Cenozoic, Quaternary, Pleistocene, Santa Fe Group
121 OGLL	Cenozoic, Tertiary, Ogallala Formation
211 MVRD	Mesozoic, Upper Cretaceous, Mesaverde Group
231 CHNL	Mesozoic, Upper Triassic, Chinle Formation
313 SADG	Paleozoic, Permian, Guadalupian, San Andres Limestone and Glorieta Sandstone
325 MDER	Paleozoic, Middle Pennsylvanian, Des Moinesian Madera Limestone
400 PCMB	Paleozoic, Precambrian, Precambrian Erathem

LOCAL IDENTIFIER.--Indicates location by New Mexico or Texas local well number. If the area is not included in a public survey, location is by site name.

REMARKS.--Ground-water sites in this table are segregated by county, which appear alphabetically. The sites are then listed in ascending well numbers that are explained at the beginning of this report.

BERNALILLO COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth to bot sample intrval feet below LSD (72016)	Depth to top sample intrval feet below LSD (72015)	Altitude of land surface feet (72000)	Flow rate, instantaneous gal/min (00059)
10N.05E.15.331 Carlito Sp	350518106235701	001	SP	03-08-05	1430	325MDER	--	--	6,810	--
			SP	04-12-05	1430	325MDER	--	--	6,810	--
			SP	04-29-05	1400	325MDER	--	--	6,810	--
			SP	05-24-05	1500	325MDER	--	--	6,810	--
			SP	06-29-05	1400	325MDER	--	--	6,810	--
11N.05E.27.423	350850106232001	001	SP	09-01-05	1630	325MDER	--	--	6,810	--
			SP	04-05-05	1600	325MDER	--	--	7,561	--
			SP	04-29-05	1530	325MDER	--	--	7,561	--
			SP	05-20-05	1600	325MDER	--	--	7,561	--
			SP	06-30-05	2030	325MDER	--	--	7,561	--
11N.06E.09.113 Cole Spring	351150106184401 350807106231701	001	SP	08-31-05	1400	325MDER	--	--	7,561	--
			SP	12-10-04	1420	313SADG	--	--	6,450	.20
			SP	04-05-05	1730	325MDER	--	--	7,430	--
			SP	04-27-05	1830	325MDER	--	--	7,430	--
			SP	05-20-05	1730	325MDER	--	--	7,430	--
Cienega Spring at Source	351008106231601	001	SP	06-30-05	2130	325MDER	--	--	7,430	--
			SP	09-01-05	1200	325MDER	--	--	7,430	--
			SP	04-06-05	1545	325MDER	--	--	--	--
			SP	04-21-05	1300	325MDER	--	--	--	--
			SP	04-27-05	1700	325MDER	--	--	--	--
T10N.R02E.36.321A PROJECTED	350307106410601	001	GW	03-10-05	1900	112SNTF	540	522	4,941	5.0
			GW	03-12-05	1520	112SNTF	740	720	4,941	6.0
			GW	03-20-05	1530	112SNTF	1,300	1,250	4,941	10.0
			GW	03-25-05	1400	112SNTF	1,990	1,940	4,941	8.0
			GW	03-31-05	1340	112SNTF	1,610	1,590	4,941	4.0
Wolf Spring at Source	351022106231401	001	GW	04-01-05	1220	112SNTF	1,020	995	4,941	4.0
			SP	03-10-05	0930	325MDER	--	--	--	--
			SP	04-06-05	1700	325MDER	--	--	--	--
			SP	04-27-05	1600	325MDER	--	--	--	--
			SP	05-18-05	1730	325MDER	--	--	--	--
			SP	06-29-05	1530	325MDER	--	--	--	--
			SP	09-01-05	1500	--	--	--	--	

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

BERNALILLO COUNTY

Local identifier	Date	Pump or flow period prior to sampling, minutes (72004)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
10N.05E.15.331	03-08-05	--	--	--	--	--	--	--	--	--	--
	04-12-05	--	--	--	--	--	--	15.1	--	--	
	04-29-05	--	--	--	--	--	450	--	15.1	--	--
	05-24-05	--	--	--	--	--	460	--	15.2	--	--
	06-29-05	--	--	--	--	--	470	--	15.1	--	--
11N.05E.27.423	09-01-05	--	--	--	--	--	470	--	15.0	--	--
	04-05-05	--	--	--	--	--	550	--	11.6	--	--
	04-29-05	--	--	--	--	--	550	--	11.8	--	--
	05-20-05	--	--	--	--	--	550	--	11.9	--	--
	06-30-05	--	--	--	--	--	540	--	11.9	--	--
11N.06E.09.113 Cole Spring	08-31-05	--	--	--	--	--	550	--	11.9	--	--
	12-10-04	37	--	--	--	7.4	578	8.7	13.2	290	76
	04-05-05	--	--	--	--	--	600	--	10.2	--	--
	04-27-05	--	--	--	--	--	610	--	10.4	--	--
	05-20-05	--	--	--	--	--	630	--	10.5	--	--
Cienega Spring	06-30-05	--	--	--	--	--	630	--	10.6	--	--
	09-01-05	--	--	--	--	--	630	--	10.9	--	--
	04-06-05	--	--	--	--	--	590	--	10.2	--	--
	04-21-05	--	--	--	--	--	570	--	9.3	--	--
	04-27-05	--	--	--	--	--	570	--	9.5	--	--
T10N.R02E.36.321A	05-18-05	--	--	--	--	--	580	--	10.3	--	--
	06-29-05	--	--	--	--	--	590	--	10.9	--	--
	09-01-05	--	--	--	--	--	600	--	11.1	--	--
	03-10-05	--	635	<.1	--	9.1	800	--	22.1	14	--
	03-12-05	--	632	<.1	--	9.2	700	27.0	26.0	12	--
Wolf Spring	03-20-05	--	632	<.1	--	8.9	509	17.5	28.8	8	--
	03-25-05	--	666	.2	3	9.3	760	--	32.0	7	--
	03-31-05	--	665	<.1	--	9.0	846	17.0	29.5	10	--
	04-01-05	--	645	<.1	--	8.9	510	--	28.0	7	--
	03-10-05	--	--	--	--	--	570	--	9.8	--	--
	04-06-05	--	--	--	--	--	750	--	9.7	--	--
	04-27-05	--	--	--	--	--	795	--	10.4	--	--
	05-18-05	--	--	--	--	--	800	--	11.1	--	--
06-29-05	--	--	--	--	--	790	--	10.8	--	--	
09-01-05	--	--	--	--	--	800	--	11.5	--	--	

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

BERNALILLO COUNTY

Local identifier	Date	Di-methyl-arsinate, wat flt ug/L as As (62455)	Mono-methyl-arsonate, wat flt ug/L as As (62454)	Deuterium/Protium ratio, water, unfltrd per mil (82082)	Uranium natural water, fltrd, ug/L (22703)	O-18 / O-16 ratio, water, unfltrd per mil (82085)
10N.05E.15.331	03-08-05	--	--	--	--	--
	04-12-05	--	--	--	--	--
	04-29-05	--	--	--	--	--
	05-24-05	--	--	--	--	--
	06-29-05	--	--	--	--	--
11N.05E.27.423	09-01-05	--	--	--	--	--
	04-05-05	--	--	--	--	--
	04-29-05	--	--	--	--	--
	05-20-05	--	--	--	--	--
	06-30-05	--	--	--	--	--
11N.06E.09.113 Cole Spring	08-31-05	--	--	--	--	--
	12-10-04	--	--	-84.20	2.38	-12.00
	04-05-05	--	--	--	--	--
	04-27-05	--	--	--	--	--
	05-20-05	--	--	--	--	--
Cienega Spring	06-30-05	--	--	--	--	--
	09-01-05	--	--	--	--	--
	04-06-05	--	--	--	--	--
	04-21-05	--	--	--	--	--
	04-27-05	--	--	--	--	--
T10N.R02E.36.321A	05-18-05	--	--	--	--	--
	06-29-05	--	--	--	--	--
	09-01-05	--	--	--	--	--
	03-10-05	--	--	--	1.52	--
	03-12-05	--	--	--	1.01	--
	03-20-05	E.3	<1.2	--	4.36	--
	03-25-05	E.3	<1.2	--	.28	--
03-31-05	E.6	<1.2	--	<.04	--	
Wolf Spring	04-01-05	--	--	--	2.43	--
	03-10-05	--	--	--	--	--
	04-06-05	--	--	--	--	--
	04-27-05	--	--	--	--	--
	05-18-05	--	--	--	--	--
	06-29-05	--	--	--	--	--
	09-01-05	--	--	--	--	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

M-- Presence verified but not quantified.

U -- Analyzed for but not detected.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

CURRY COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)
02N.34E.13.1111 (CAFB-V)	342418103201201	009	GW	07-12-05	1635	121OGLL	370	4,324.82	4.3	7.4
02N.35E.17.3121 (CAFB-W)	342348103175801	009	GW	07-12-05	0925	121OGLL	365	4,296.95	2.0	7.7
02N.35E.18.434 (CAFB-E)	342328103182401	009	GW	07-12-05	0955	121OGLL	373	4,279.70	7.0	7.6
02N.35E.19.222 (CAFB-F)	342321103181001	009	GW	07-12-05	1614	121OGLL	375	4,274.93	7.1	7.5
02N.35E.19.224 (CAFB-G)	342313103180801	009	GW	07-26-05	0810	121OGLL	372	4,276.46	--	7.5
02N.35E.19.241 (CAFB-H)	342307103181601	009	GW	07-12-05	1246	121OGLL	375	4,275.98	7.2	7.1
02N.35E.30.23213 (CAFB-A)	342218103182601	009	GW	07-11-05	1505	121OGLL	343	4,263.83	6.0	7.5
02N.35E.30.422 (CAFB-U)	342205103181001	009	GW	07-13-05	1050	121OGLL	365	4,262.27	7.0	7.6
02N.35E.30.423 (CAFB-D)	342157103181701	009	GW	07-13-05	1013	121OGLL	357	4,261.94	4.9	7.6
02N.35E.30.424A (CAFB-B)	342203103181001	009	GW	07-13-05	1350	121OGLL	362	4,262.1	6.2	7.6
02N.35E.30.4244 (CAFB-C)	342156103180801	009	GW	07-26-05	1000	121OGLL	362	4,263.72	--	7.8
02N.35E.30.424E (CAFB-S)	342157103181101	009	GW	07-13-05	1630	121OGLL	365	4,260.72	6.8	7.5
02N.35E.30.424F (CAFB-T)	342200103180901	009	GW	07-13-05	1310	121OGLL	365	4,260.82	6.9	7.8
02N.34E.25.213 (CAFB-X)	342222103194301	009	GW	07-12-05	1200	121OGLL	336	4,264.76	6.5	7.6

Local identifier	Date	Specif. conductance, wat unfltrd uS/cm (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)
02N.34E.13.1111	07-12-05	1,160	23.2	139
02N.35E.17.3121	07-12-05	1,190	20.5	98
02N.35E.18.434	07-12-05	963	18.7	160
02N.35E.19.222	07-12-05	931	18.2	146
02N.35E.19.224	07-26-05	856	17.9	196
02N.35E.19.241	07-12-05	776	18.4	166
02N.35E.30.23213	07-11-05	650	18.9	169
02N.35E.30.422	07-13-05	762	18.4	173
02N.35E.30.423	07-13-05	612	18.5	278
02N.35E.30.424A	07-13-05	751	18.6	175
02N.35E.30.4244	07-26-05	596	18.6	228
02N.35E.30.424E	07-13-05	804	18.5	161
02N.35E.30.424F	07-13-05	766	18.6	--
02N.34E.25.213	07-12-05	509	21.9	184

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DONA ANA COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)
21S.04E.10.233 (HTA-24)	322947106311101	013	GW	10-06-04	1645	400PCMB	163	5,691.94	.4	7.3
			GW	02-23-05	1500	400PCMB	163	5,691.94	.2	--
			GW	05-11-05	1245	400PCMB	163	5,691.94	.2	7.3
21S.04E.10.321 (HTA34)	322943106312801	013	GW	07-29-05	1310	400PCMB	163	5,691.94	.1	7.3
			GW	10-05-04	0945	400PCMB	103	5,794.94	.7	7.1
			GW	02-22-05	1430	400PCMB	103	5,794.94	.2	7.4
21S.04E.10.322A (HTA-12)	322943106312301	013	GW	05-09-05	1335	400PCMB	103	5,794.94	.1	7.1
			GW	08-01-05	1340	400PCMB	103	5,794.94	.1	6.8
			GW	10-05-04	1035	400PCMB	155	5,755.18	1.2	7.1
21S.04E.10.324 (HTA-23)	322935106311801	013	GW	02-22-05	1545	400PCMB	155	5,755.18	.9	7.4
			GW	05-09-05	1430	400PCMB	155	5,755.18	.9	7.2
			GW	08-01-05	1355	400PCMB	155	5,755.18	1.1	--
21S.04E.10.411B (HTA-11)	322941106311301	013	GW	10-06-04	1010	400PCMB	135	5,679.70	1.0	7.2
			GW	02-23-05	1640	400PCMB	135	5,679.70	.5	--
			GW	05-10-05	1450	400PCMB	135	5,679.70	.6	7.3
21S.04E.10.411C (HTA-10A)	322941106311502	013	GW	08-02-05	1325	400PCMB	135	5,679.70	.7	7.2
			GW	10-04-04	1605	400PCMB	85	5,691.25	5.0	7.2
			GW	02-22-05	1700	400PCMB	85	5,691.25	4.7	7.6
21S.04E.10.411D (HTA-14)	322939106311701	013	GW	05-10-05	1005	400PCMB	85	5,691.25	5.2	7.3
			GW	08-01-05	1545	400PCMB	85	5,691.25	5.5	7.3
			GW	10-04-04	1510	400PCMB	80	5,687.96	2.4	7.5
21S.04E.10.411E (HTA-20)	322943106311401	013	GW	10-04-04	1710	400PCMB	110	5,695.75	3.3	7.2
			GW	05-26-05	1540	400PCMB	110	5,695.75	3.5	7.3
			GW	08-01-05	1455	400PCMB	110	5,695.75	4.3	7.2
21S.04E.10.411G (HTA-29)	322944106311601	013	GW	10-05-04	1240	400PCMB	100	5,699.34	4.9	7.2
			GW	05-26-05	1640	400PCMB	100	5,699.34	4.4	7.2
			GW	08-02-05	1210	400PCMB	100	5,699.34	4.8	7.1
21S.04E.10.412 (HTA-25)	322943106310501	013	GW	10-04-04	1340	400PCMB	158	5,723.32	.8	7.2
			GW	10-06-04	1540	400PCMB	120	5,643.55	.9	7.1
			GW	02-23-05	1340	400PCMB	120	5,643.55	1.6	--
21S.04E.10.413A (HTA-13)	322938106311601	013	GW	05-10-05	1155	400PCMB	120	5,643.55	1.4	7.1
			GW	08-02-05	1125	400PCMB	120	5,643.55	1.5	7.0
			GW	10-05-04	1140	400PCMB	120	5,689.92	4.9	7.2
21S.04E.10.413B (HTA-21)	322933106310901	013	GW	10-06-04	1335	400PCMB	110	5,619.35	2.8	7.2
			GW	10-05-04	1330	400PCMB	102	5,642.92	6.0	7.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat unf incrm. titr., field, mg/L (00450)
21S.04E.10.233	10-06-04	967	19.7	400	111	29.6	1.59	2	69.5	242	294
	02-23-05	998	19.4	--	--	--	--	--	--	--	--
	05-11-05	--	21.8	--	--	--	--	--	--	--	--
	07-29-05	966	21.4	--	--	--	--	--	--	--	--
21S.04E.10.321	10-05-04	872	19.1	370	106	26.4	2.82	1	55.3	275	335
	02-22-05	882	19.1	--	--	--	--	--	--	--	--
	05-09-05	--	19.6	--	--	--	--	--	--	--	--
21S.04E.10.322A	08-01-05	871	21.0	--	--	--	--	1	--	--	--
	10-05-04	958	19.5	390	111	27.6	1.38	1	60.8	256	312
	02-22-05	977	19.3	--	--	--	--	--	--	--	--
	05-09-05	--	19.9	--	--	--	--	--	--	--	--
21S.04E.10.324	08-01-05	964	--	--	--	--	--	--	--	--	--
	10-06-04	723	19.9	290	82.6	20.2	3.12	1	49.2	214	260
	02-23-05	733	19.3	--	--	--	--	--	--	--	--
	05-10-05	--	20.5	--	--	--	--	--	--	--	--
21S.04E.10.411B	08-02-05	732	21.2	--	--	--	--	--	--	--	--
	10-04-04	953	20.2	390	108	28.5	1.11	1	59.5	249	303
	02-22-05	966	19.4	--	--	--	--	--	--	--	--
	05-10-05	--	20.0	--	--	--	--	--	--	--	--
08-01-05	883	20.4	--	--	--	--	--	--	--	--	
21S.04E.10.411C	10-04-04	919	19.9	370	102	27.0	1.26	1	57.1	234	284
21S.04E.10.411D	10-04-04	945	20.1	380	105	29.5	1.67	1	56.5	229	279
	05-26-05	941	20.4	--	--	--	--	--	--	--	--
	08-01-05	929	20.7	--	--	--	--	--	--	--	--
21S.04E.10.411E	10-05-04	983	19.6	400	115	28.6	1.04	1	64.6	227	276
	05-26-05	982	20.1	--	--	--	--	--	--	--	--
08-02-05	987	20.3	--	--	--	--	--	--	--	--	
21S.04E.10.411G	10-04-04	1,020	20.1	410	117	28.2	1.38	2	71.1	276	336
21S.04E.10.412	10-06-04	994	20.0	390	112	26.9	2.33	1	65.1	227	276
	02-23-05	1,020	19.0	--	--	--	--	--	--	--	--
	05-10-05	--	19.9	--	--	--	--	--	--	--	--
08-02-05	1,010	20.2	--	--	--	--	--	--	--	--	
21S.04E.10.413A	10-05-04	983	19.6	350	97.2	25.6	1.85	1	52.3	225	274
21S.04E.10.413B	10-06-04	890	20.4	360	102	24.8	1.86	1	58.3	195	237
21S.04E.10.414A	10-05-04	987	20.1	390	114	26.2	1.33	1	60.2	211	256

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Perchlorate, water, unfltrd ug/L (61209)
21S.04E.10.233	10-06-04	34.9	4.0	23.1	208	590	2.20	42	E3	140
	02-23-05	--	--	--	--	--	1.2	--	--	150
	05-11-05	--	--	--	--	--	E.036	--	--	47
	07-29-05	--	--	--	--	--	<.100	--	--	E.062
21S.04E.10.321	10-05-04	30.8	3.1	26.2	140	493	<.100	36	66	<.200
	02-22-05	--	--	--	--	--	--	--	--	<.200
	05-09-05	--	--	--	--	--	--	--	--	<.200
21S.04E.10.322A	08-01-05	--	--	--	--	--	--	--	--	<.200
	10-05-04	31.4	3.7	23.0	196	567	1.80	42	10	4.8
	02-22-05	--	--	--	--	--	2.3	--	--	6.5
21S.04E.10.324	05-09-05	--	--	--	--	--	2.1	--	--	6.5
	08-01-05	--	--	--	--	--	2.4	--	--	6.7
	10-06-04	24.6	5.1	23.9	106	449	1.20	31	9	100
	02-23-05	--	--	--	--	--	.790	--	--	110
21S.04E.10.411B	05-10-05	--	--	--	--	--	1.1	--	--	120
	08-02-05	--	--	--	--	--	1.6	--	--	1,100
	10-04-04	29.8	4.9	24.2	168	590	6.50	54	<6	6,900
	02-22-05	--	--	--	--	--	7.7	--	--	7,700
	05-10-05	--	--	--	--	--	7.6	--	--	9,000
21S.04E.10.411C	08-01-05	--	--	--	--	--	9.3	--	--	9,300
	10-04-04	28.7	5.0	23.8	150	574	8.50	71	<6	6,800
	10-04-04	34.6	4.0	22.5	185	553	6.30	108	9	3,300
21S.04E.10.411D	05-26-05	--	--	--	--	--	6.6	--	--	3,900
	08-01-05	--	--	--	--	--	6.9	--	--	5,000
	10-05-04	36.9	4.8	23.6	175	604	7.50	46	<6	12,000
21S.04E.10.411E	05-26-05	--	--	--	--	--	7.2	--	--	12,000
	08-02-05	--	--	--	--	--	7.2	--	--	12,000
	10-04-04	32.5	4.0	24.2	208	607	2.10	41	<6	390
	10-06-04	42.5	3.7	20.3	189	639	9.10	48	<6	8,600
	02-23-05	--	--	--	--	--	9.3	--	--	9,800
21S.04E.10.411G	05-10-05	--	--	--	--	--	8.4	--	--	11,000
	08-02-05	--	--	--	--	--	8.7	--	--	10,000
21S.04E.10.413A	10-05-04	33.9	4.3	22.3	146	507	--	39	6	1,300
21S.04E.10.413B	10-06-04	40.0	3.8	20.2	152	549	8.10	38	E6	6,500
21S.04E.10.414A	10-05-04	54.8	4.7	22.4	163	575	10.0	44	<6	20,000

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)
21S.04E.10.414B (HTA-16)	322937106310901	013	GW	10-05-04	1425	400PCMB	103	5,641.18	6.2	7.5
			GW	02-24-05	0915	400PCMB	103	5,641.18	5.9	--
			GW	05-10-05	1105	400PCMB	103	5,641.18	6.2	7.5
21S.04E.10.414C (HTA-17)	322936106311001	013	GW	08-01-05	1635	400PCMB	103	5,641.18	6.0	7.4
			GW	10-05-04	1615	400PCMB	110	5,641.49	5.2	7.3
21S.04E.10.414D (HTA-16D)	322937106310902	013	GW	10-05-04	1520	400PCMB	159	5,637.96	4.4	7.3
21S.04E.10.421 (HTA-30)	322939106305701	013	GW	10-06-04	1520	400PCMB	200	5,568.09	6.9	7.2
21S.04E.10.423 (HTA-19)	322935106310301	013	GW	10-06-04	1140	400PCMB	147	5,594.83	6.2	7.2
			GW	02-24-05	1115	400PCMB	147	5,594.83	5.3	--
			GW	05-09-05	1530	400PCMB	147	5,594.83	5.8	7.3
21S.04E.10.434 (HTA-22)	322924106310501	013	GW	08-02-05	1555	400PCMB	147	5,594.83	5.4	7.2
			GW	10-06-04	1235	400PCMB	110	5,557.15	5.2	7.2
			GW	02-24-05	1245	400PCMB	110	5,557.15	4.2	--
			GW	05-11-05	1240	400PCMB	110	5,557.15	3.9	7.2
			GW	08-02-05	1435	400PCMB	110	5,557.15	4.5	7.2
21S.04E.10.441 (HTA-18)	322932106305601	013	GW	10-06-04	1440	400PCMB	130	5,536.59	6.9	7.2
			GW	02-24-05	1405	400PCMB	130	5,536.59	6.0	--
			GW	05-09-05	1640	400PCMB	130	5,536.59	6.0	7.3
21S.04E.10.442 (HTA-27)	322927106305101	013	GW	08-02-05	1515	400PCMB	130	5,536.59	6.4	7.3
			GW	10-06-04	1110	400PCMB	179	5,494.5	.7	7.4
21S.04E.11.333 (HTA-28)	322923106304601	013	GW	02-28-05	1440	400PCMB	179	5,494.5	.1	7.6
			GW	05-11-05	1150	400PCMB	179	5,494.5	.2	7.3
			GW	07-29-05	1150	400PCMB	179	5,494.5	.1	7.3
			GW	10-06-04	1005	400PCMB	145	5,451.22	4.6	7.3
			GW	02-28-05	1310	400PCMB	145	5,451.22	5.0	7.2
21S.04E.11.343 (HTA32)	322924106302601	013	GW	05-11-05	1015	400PCMB	145	5,451.22	4.7	7.2
			GW	08-02-05	1655	400PCMB	145	5,451.22	5.1	7.3
			GW	10-06-04	1215	400PCMB	75	5,343.77	3.5	7.4
			GW	02-23-05	0915	400PCMB	75	5,343.77	4.6	--
			GW	05-10-05	1430	400PCMB	75	5,343.77	4.9	7.4
21S.04E.13.143 (HTA43)	322857106292801	013	GW	08-02-05	1355	400PCMB	75	5,343.77	4.9	7.4
			GW	10-07-04	1200	400PCMB	99	4,956.87	4.6	7.4
			GW	03-01-05	0935	400PCMB	99	4,956.87	5.5	--
			GW	05-09-05	1440	400PCMB	99	4,956.87	4.6	7.1
			GW	08-01-05	1505	400PCMB	99	4,956.87	5.8	7.3

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)
21S.04E.13.232 (HTA51)	322901106290101	013	GW	10-06-04	1205	400PCMB	144.6	4,834.79	4.8	6.9
			GW	03-01-05	1430	400PCMB	144.6	4,834.79	4.3	7.0
			GW	05-09-05	1320	400PCMB	144.6	4,834.79	4.6	7.1
21S.04E.13.331 (HTA42)	322837106294301	013	GW	07-29-05	1012	400PCMB	144.6	4,834.79	4.0	7.1
			GW	10-07-04	1455	400PCMB	136.8	4,993.49	4.0	7.2
			GW	02-28-05	1625	400PCMB	136.8	4,993.49	3.4	7.2
21S.04E.14.114 (HTA-3)	322910106303601	013	GW	05-10-05	1015	400PCMB	136.8	4,993.49	3.5	7.3
			GW	08-02-05	1045	400PCMB	136.8	4,993.49	2.7	7.3
			GW	10-07-04	1525	400PCMB	161	5,355.16	5.9	7.1
21S.04E.14.122 (HTA4)	322913106301801	013	GW	02-22-05	1216	400PCMB	161	5,355.16	5.2	7.4
			GW	05-10-05	1600	400PCMB	161	5,355.16	5.5	7.2
			GW	08-02-05	1625	400PCMB	161	5,355.16	5.4	7.1
21S.04E.14.142 (HTA31)	322902106302201	013	GW	10-07-04	1205	400PCMB	72	5,269	4.4	7.0
			GW	02-23-05	1035	400PCMB	72	5,269	3.7	--
			GW	05-10-05	1535	400PCMB	72	5,269	3.5	7.2
21S.04E.14.223 (HTA46)	322906106300301	013	GW	08-02-05	1305	400PCMB	72	5,269	3.9	7.1
			GW	10-06-04	1325	400PCMB	85	5,251.66	1.9	7.2
			GW	02-24-05	1550	400PCMB	85	5,251.66	2.3	--
21S.04E.15.422 (HTA33)	322848106305501	013	GW	05-10-05	1330	400PCMB	85	5,251.66	2.8	7.2
			GW	08-02-05	0940	400PCMB	85	5,251.66	3.0	7.2
			GW	10-07-04	1340	400PCMB	145	5,159.15	.3	7.3
21S.04E.22.222 (EMRE WINDM)	322310106305101	013	GW	02-28-05	1750	400PCMB	145	5,159.15	.1	7.3
			GW	05-09-05	1605	400PCMB	145	5,159.15	.1	7.5
			GW	08-01-05	1625	400PCMB	145	5,159.15	M	7.4
21S.04E.23.233B (EMRE-1)	322804106301701	013	GW	10-06-04	1435	400PCMB	107	5,368.81	1.0	7.1
			GW	02-24-05	1225	400PCMB	107	5,368.81	1.2	6.9
			GW	05-11-05	1005	400PCMB	107	5,368.81	1.1	7.1
21S.04E.23.233C (EMRE-2)	322310106305101	013	GW	08-02-05	1200	400PCMB	107	5,368.81	1.6	7.1
			GW	10-05-04	1450	400PCMB	--	5,212.82	.6	7.0
			GW	01-01-05	1200	--	--	5,212.82	--	--
21S.04E.23.432 (HTA44)	322745106300201	013	GW	10-06-04	1555	400PCMB	180	5,043.16	2.8	7.3
21S.04E.25.311 (HTA36)	322800106300901	013	GW	10-06-04	1655	400PCMB	100	4,993.99	2.4	7.3
21S.04E.25.412 (HTA35)	322702106294401	013	GW	10-06-04	1040	400PCMB	139	4,938.28	.5	7.0
	322704106290601	013	GW	10-04-04	1345	400PCMB	97	4,798.49	.4	7.2
		013	GW	10-04-04	1225	400PCMB	159	4,618.42	1.2	7.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat unf incrm. titr., field, mg/L (00450)
21S.04E.13.232	10-06-04	949	22.2	380	107	27.0	1.49	1	65.5	243	296
	03-01-05	973	22.2	--	--	--	--	--	--	--	--
	05-09-05	963	22.7	--	--	--	--	--	--	--	--
	07-29-05	966	22.8	--	--	--	--	--	--	--	--
21S.04E.13.331	10-07-04	770	21.3	290	92.1	14.4	1.99	1	54.1	194	237
	02-28-05	791	20.9	--	--	--	--	--	--	--	--
	05-10-05	782	21.4	--	--	--	--	--	--	--	--
21S.04E.14.114	08-02-05	772	21.5	--	--	--	--	--	--	--	--
	10-07-04	790	20.3	310	90.6	20.3	.90	1	58.0	222	271
	02-22-05	820	20.3	--	--	--	--	--	--	--	--
	05-10-05	--	20.6	--	--	--	--	--	--	--	--
21S.04E.14.122	08-02-05	836	20.7	--	--	--	--	--	--	--	--
	10-07-04	829	20.1	310	90.1	21.3	1.05	1	58.9	216	263
	02-23-05	841	19.9	--	--	--	--	--	--	--	--
	05-10-05	846	20.6	--	--	--	--	--	--	--	--
21S.04E.14.142	08-02-05	801	20.4	--	--	--	--	--	--	--	--
	10-06-04	916	20.7	350	102	23.2	1.18	2	67.6	222	270
	02-24-05	954	19.2	--	--	--	--	--	--	--	--
	05-10-05	919	20.6	--	--	--	--	--	--	--	--
21S.04E.14.223	08-02-05	905	20.5	--	--	--	--	--	--	--	--
	10-07-04	881	20.9	320	89.1	22.4	2.98	2	72.1	275	335
	02-28-05	911	19.6	--	--	--	--	--	--	--	--
21S.04E.15.422	05-09-05	881	21.2	--	--	--	--	--	--	--	--
	08-01-05	851	21.3	--	--	--	--	--	--	--	--
	10-06-04	874	20.3	350	101	23.6	3.08	1	59.4	252	307
	02-24-05	901	18.6	--	--	--	--	--	--	--	--
21S.04E.22.222	05-11-05	864	20.1	--	--	--	--	--	--	--	--
	08-02-05	852	20.5	--	--	--	--	--	--	--	--
	10-05-04	669	21.6	250	76.3	14.0	1.93	1	49.5	191	232
	01-01-05	--	--	--	--	--	--	--	--	--	--
21S.04E.23.233B	10-06-04	733	21.9	270	85.1	14.2	1.84	1	51.5	176	214
21S.04E.23.233C	10-06-04	768	21.2	280	87.3	14.6	1.85	1	52.6	175	213
21S.04E.23.432	10-06-04	720	22.4	270	85.6	13.8	2.35	1	49.8	181	220
21S.04E.25.311	10-04-04	678	24.5	270	85.0	14.4	3.42	1	43.0	187	227
21S.04E.25.412	10-04-04	822	24.3	320	101	17.3	3.19	1	51.5	195	237

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Perchlorate, water, unfltrd ug/L (61209)
21S.04E.13.232	10-06-04	35.8	3.7	28.4	197	598	3.20	49	<6	28
	03-01-05	--	--	--	--	--	--	--	--	33
	05-09-05	--	--	--	--	--	--	--	--	32
	07-29-05	--	--	--	--	--	--	--	--	29
21S.04E.13.331	10-07-04	28.2	4.6	28.6	143	505	4.10	52	<6	3.9
	02-28-05	--	--	--	--	--	--	--	--	5.6
	05-10-05	--	--	--	--	--	--	--	--	4.3
	08-02-05	--	--	--	--	--	--	--	--	4.3
21S.04E.14.114	10-07-04	28.5	5.5	24.3	132	510	2.90	35	E4	1.9
	02-22-05	--	--	--	--	--	3.1	--	--	2.2
	05-10-05	--	--	--	--	--	2.8	--	--	2.3
	08-02-05	--	--	--	--	--	2.8	--	--	2.1
21S.04E.14.122	10-07-04	32.2	5.2	24.0	145	540	4.30	38	<6	16
	02-23-05	--	--	--	--	--	4.5	--	--	20
	05-10-05	--	--	--	--	--	4.0	--	--	20
	08-02-05	--	--	--	--	--	4.3	--	--	18
21S.04E.14.142	10-06-04	37.2	4.9	25.2	177	566	3.20	38	<6	5.8
	02-24-05	--	--	--	--	--	3.4	--	--	6.4
	05-10-05	--	--	--	--	--	2.9	--	--	6.3
	08-02-05	--	--	--	--	--	3.1	--	--	6.6
21S.04E.14.223	10-07-04	44.6	4.0	28.9	136	551	<.100	50	E6	<.200
	02-28-05	--	--	--	--	--	--	--	--	--
	05-09-05	--	--	--	--	--	--	--	--	<.200
	08-01-05	--	--	--	--	--	--	--	--	E.086
21S.04E.15.422	10-06-04	29.8	3.9	26.2	146	496	1.80	33	<6	E.580
	02-24-05	--	--	--	--	--	--	--	--	E.960
	05-11-05	--	--	--	--	--	--	--	--	.770
	08-02-05	--	--	--	--	--	--	--	--	.950
21S.04E.22.222	10-05-04	26.6	3.9	31.1	108	436	.180	44	3,040	.650
	01-01-05	--	--	--	--	--	--	--	--	--
21S.04E.23.233B	10-06-04	27.1	3.7	31.0	131	479	4.40	41	E4	5.8
21S.04E.23.233C	10-06-04	31.8	3.8	30.3	143	489	4.00	41	<6	8.8
21S.04E.23.432	10-06-04	27.3	3.5	24.2	139	428	.110	39	E5	.750
21S.04E.25.311	10-04-04	17.7	4.0	27.0	104	393	.360	39	31	.620
21S.04E.25.412	10-04-04	34.4	3.1	30.6	171	501	1.60	47	23	.800

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)
21S.04E.35.222 (HTA37)	322639106294701	013	GW	10-04-04	1505	400PCMB	138	4,695.93	2.2	7.2
21S.04E.35.232 (HTA38)	322624106300201	013	GW	10-04-04	1605	400PCMB	119	4,723.95	3.1	6.8
21S.04E.35.422 (HTA39)	322612106294901	013	GW	10-05-04	0920	400PCMB	149	4,649.42	1.5	7.0
21S.04E.36.411 (HTA40)	322609106291401	013	GW	10-05-04	1100	400PCMB	199	4,513.63	.3	7.0
21S.05E.16.232 (SMR1A)	322902106263201	013	GW	07-27-05	1307	110BLSN	--	4,173.84	6.3	7.2
21S.05E.17.334 (HTA50)	322834106273201	013	GW	10-07-04	1400	400PCMB	516	4,366.45	3.0	7.4
		013	GW	03-01-05	1205	110BLSN	516	4,366.45	4.9	7.3
		013	GW	05-10-05	1220	110BLSN	516	4,366.45	4.9	7.4
		013	GW	08-01-05	1240	110BLSN	516	4,366.45	5.0	7.4
21S.05E.19.112 (HTA45)	322823106283501	013	GW	10-07-04	1310	400PCMB	139	4,637.73	3.7	7.3
		013	GW	03-01-05	1110	400PCMB	139	4,637.73	5.2	7.2
		013	GW	05-10-05	1125	400PCMB	139	4,637.73	5.6	7.4
		013	GW	08-01-05	1355	400PCMB	139	4,637.73	6.0	7.3
21S.05E.19.212 (HTA47A)	322827106280101	013	GW	10-06-04	1355	400PCMB	183.8	4,491.74	.3	7.1
21S.05E.30.122 (HTA41)	322731106281901	013	GW	10-07-04	1520	400PCMB	125	4,502.11	2.0	7.1
22S.04E.01.431 (HTA49)	322508106291001	013	GW	10-07-04	1025	400PCMB	419	4,411.85	4.8	7.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat unf incrm. titr., field, mg/L (00450)
21S.04E.35.222	10-04-04	637	26.4	250	79.3	12.6	2.74	1	40.8	180	219
21S.04E.35.232	10-04-04	600	23.8	230	70.7	12.1	1.67	1	40.9	185	225
21S.04E.35.422	10-05-04	730	24.6	260	85.2	12.4	3.08	1	51.5	163	198
21S.04E.36.411	10-05-04	706	25.8	260	83.4	12.0	2.48	2	56.4	250	304
21S.05E.16.232	07-27-05	797	27.2	--	--	--	--	--	--	--	--
21S.05E.17.334	10-07-04	779	25.7	280	79.0	20.5	2.99	1	54.6	166	202
	03-01-05	781	25.4	--	--	--	--	--	--	--	--
	05-10-05	778	25.9	--	--	--	--	--	--	--	--
	08-01-05	764	26.2	--	--	--	--	--	--	--	--
21S.05E.19.112	10-07-04	746	21.8	270	85.0	14.6	2.12	1	48.6	163	199
	03-01-05	745	21.4	--	--	--	--	--	--	--	--
	05-10-05	744	21.9	--	--	--	--	--	--	--	--
	08-01-05	729	22.3	--	--	--	--	--	--	--	--
21S.05E.19.212	10-06-04	776	24.4	300	90.1	18.5	4.05	1	48.5	177	215
21S.05E.30.122	10-07-04	788	22.7	300	95.8	15.6	1.97	1	51.1	196	238
22S.04E.01.431	10-07-04	1,070	24.8	420	131	22.9	3.89	1	49.5	91	111

Local identifier	Date	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Per-chlor-ate, water, unfltrd ug/L (61209)
21S.04E.35.222	10-04-04	--	18.7	4.0	33.1	89.8	392	4.00	38	E6	2.2
21S.04E.35.232	10-04-04	--	14.9	4.6	38.9	79.2	375	2.00	31	33	.950
21S.04E.35.422	10-05-04	--	35.5	3.3	31.4	130	455	3.50	40	15	2.0
21S.04E.36.411	10-05-04	--	26.2	2.8	25.8	75.7	393	<.100	41	88	<.200
21S.05E.16.232	07-27-05	--	--	--	--	--	--	--	--	--	.540
21S.05E.17.334	10-07-04	.19	32.3	2.6	31.9	152	512	5.60	49	E5	2.1
	03-01-05	--	--	--	--	--	--	--	--	--	2.3
	05-10-05	--	--	--	--	--	--	--	--	--	2.2
	08-01-05	--	--	--	--	--	--	--	--	--	2.3
21S.05E.19.112	10-07-04	--	27.0	3.6	32.1	140	485	6.10	51	<6	3.0
	03-01-05	--	--	--	--	--	--	--	--	--	3.3
	05-10-05	--	--	--	--	--	--	--	--	--	3.2
	08-01-05	--	--	--	--	--	--	--	--	--	3.2
21S.05E.19.212	10-06-04	--	29.6	2.8	31.1	161	491	3.40	46	<6	3.0
21S.05E.30.122	10-07-04	--	28.8	3.6	34.4	134	509	5.40	49	<6	2.4
22S.04E.01.431	10-07-04	.53	112	2.2	32.4	213	675	13.0	59	13	5.9

Remark codes used in this table:

< -- Less than.

E -- Estimated.

M-- Presence verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Date	4-Amino-2,6-dinitro-toluene water unfiltered ug/L (76987)	4-Nitro-toluene, water, unfiltered ug/L (77395)	HMX, water, unfiltered ug/L (82203)	Nitro-benzene water unfiltered ug/L (34447)	RDX, water unfiltered ug/L (81364)	Tetryl, water, unfiltered ug/L (62226)	TNT, water unfiltered ug/L (81360)
21S.04E.10.233	10-06-04	<.20	<.40	<.20	<.20	2.9	<.20	<.20
	02-23-05	<.20	<.40	<.20	<.20	2.9	<.20	<.20
	05-11-05	<.20	<.40	<.20	<.20	2.6	<.20	<.20
21S.04E.10.322A	07-29-05	<.20	<.40	<.20	<.20	2.7	<.20	<.20
	10-05-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	02-22-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.10.324	05-09-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	08-01-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	10-06-04	<.20	<.40	.33	<.20	2.6	<.20	<.20
21S.04E.10.411C	02-23-05	<.20	<.40	<.20	<.20	2.5	<.20	<.20
	05-10-05	<.20	<.40	<.20	<.20	2.5	<.20	<.20
	08-02-05	<.20	<.40	<.20	<.20	3.1	<.20	<.20
21S.04E.10.411D	10-04-04	<1.0	<2.0	<1.0	<1.0	69	<1.0	<1.0
21S.04E.10.411E	10-04-04	<1.0	<2.0	<1.0	<1.0	48	<1.0	<1.0
	05-26-05	<.40	<.80	<.40	<.40	42	<.40	<.40
	08-01-05	<.40	<.80	.42	<.40	40	<.40	<.40
21S.04E.10.411G	10-05-04	<1.0	<2.0	E.35	<1.0	43	<1.0	<1.0
	05-26-05	<.40	<.80	E.39	<.40	44	<.40	<.40
	08-02-05	<.40	<.80	<.40	<.40	44	<.40	<.40
21S.04E.10.412	10-04-04	<.20	<.40	<.20	<.20	3.9	<.20	<.20
21S.04E.10.413B	10-06-04	<.20	<.40	<.20	<.20	8.3	<.20	<.20
	02-23-05	<.20	<.40	.29	<.20	6.8	<.20	<.20
	05-10-05	<.20	<.40	<.20	<.20	5.6	<.20	<.20
21S.04E.10.414A	08-02-05	<.20	<.40	<.20	<.20	4.7	<.20	<.20
	10-06-04	<.20	<.40	<.20	<.20	3.2	<.20	<.20
	10-05-04	<.20	<.40	<.20	<.20	20	<.20	<.20
21S.04E.10.414B	10-05-04	<1.0	<2.0	<1.0	<1.0	41	<1.0	<1.0
21S.04E.10.414C	02-24-05	<1.0	<2.0	<1.0	<1.0	41	<1.0	<1.0
	05-10-05	<1.0	<.80	<1.0	<.40	39	<1.0	<.40
	08-01-05	<.40	<.80	E.39	<.40	38	<.40	<.40
21S.04E.10.421	10-05-04	<1.0	<2.0	<1.0	<1.0	38	<1.0	<1.0
21S.04E.10.422	10-05-04	<1.0	<2.0	<1.0	<1.0	35	<1.0	<1.0
21S.04E.10.421	10-06-04	<.20	<.40	<.20	<.20	.55	<.20	<.20
21S.04E.10.422	10-07-04	<.20	<.40	<.20	<.20	10	<.20	.27
	02-23-05	<.20	<.40	<.20	<.20	9.3	<.20	<.20

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DONA ANA COUNTY

Local identifier	Date	4-Amino-2,6-dinitrotoluene water unfiltered ug/L (76987)	4-Nitrotoluene water unfiltered ug/L (77395)	HMX, water unfiltered ug/L (82203)	Nitrobenzene water unfiltered ug/L (34447)	RDX, water unfiltered ug/L (81364)	Tetryl, water unfiltered ug/L (62226)	TNT, water unfiltered ug/L (81360)
21S.04E.10.422	05-10-05	<.20	<.40	<.20	<.20	11	<.20	<.20
	08-02-05	<.20	<.40	<.20	<.20	9.6	<.20	<.20
21S.04E.10.423	10-06-04	<.20	<.40	<.20	<.20	.60	<.20	<.20
	02-24-05	<.20	<.40	<.20	<.20	E.18	<.20	<.20
	05-09-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.10.434	08-02-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	02-24-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	05-11-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	08-02-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.10.441	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	02-24-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	05-09-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.10.442	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	07-29-05	<.20	<.40	<.20	<.20	.92	<.20	<.20
21S.04E.11.333	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.11.343	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	02-23-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	05-10-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
	08-02-05	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.13.143	10-07-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.13.232	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.13.331	10-07-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.14.114	10-07-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.14.122	10-07-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.14.142	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.14.223	10-07-04	<.20	<.40	<.20	<.20	4.0	<.20	.36
	02-28-05	<.20	<.40	<.20	<.20	6.6	<.20	<.20
	05-09-05	<.20	<.40	<.20	<.20	3.1	<.20	<.20
	08-01-05	<.20	<.40	<.20	<.20	3.2	<.20	<.20
21S.04E.15.422	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.23.233B	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.04E.23.233C	10-06-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20
21S.05E.19.112	10-07-04	<.20	<.40	<.20	<.20	<.20	<.20	<.20

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

OTERO COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)
19S.06E.28.141 (HMW15)	323752106200701	035	GW	10-04-04	1450	110AVMB	67.6	3,961.39	1.0	5.3
19S.06E.28.2123 (CFW-1)	323759106195201	035	GW	10-05-04	1105	110AVMB	60.0	3,955.10	.3	1.4
19S.06E.28.2123 (CFW-2)	323759106195202	035	GW	10-05-04	1245	110AVMB	59.5	3,955.01	2.1	1.8
19S.06E.28.2132 (CFW-4)	323758106195301	035	GW	10-05-04	0945	110AVMB	60.0	3,955.43	.2	1.2
19S.06E.28.2144 (CFW-3)	323759106195301	035	GW	10-05-04	1405	110AVMB	49.0	3,952.63	--	1.3

Local identifier	Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)	Magnesium, water, unfltrd recover -able, mg/L (00927)	Potassium, water, unfltrd recover -able, mg/L (00937)	Sodium, water, unfltrd recover -able, mg/L (00929)	Chloride, water, unfltrd mg/L (99220)	Fluoride, water, unfltrd mg/L (00951)	Sulfate water unfltrd mg/L (00946)
19S.06E.28.141	10-04-04	7.5	15,200	21.3	450	740	71.0	2,700	2,100	<5.0	6,200
19S.06E.28.2123	10-05-04	7.0	10,000	22.0	320	410	72.0	1,900	730	E3.3	4,400
19S.06E.28.2123	10-05-04	7.5	10,100	22.6	210	400	70.0	2,000	730	E4.3	4,500
19S.06E.28.2132	10-05-04	7.1	11,300	22.3	330	460	89.0	2,300	690	E3.7	5,600
19S.06E.28.2144	10-05-04	6.8	9,100	23.1	380	370	65.0	1,700	720	E2.7	3,400

Local identifier	Date	Sulfide water unfltrd mg/L (00745)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Ortho-phosphate, water, unfltrd mg/L as P (70507)	Organic carbon, water, unfltrd mg/L (00680)	Arsenic water unfltrd ug/L (01002)	Barium, water, unfltrd recover -able, ug/L (01007)	Beryllium, water, unfltrd recover -able, ug/L (01012)	Cadmium water, unfltrd ug/L (01027)
19S.06E.28.141	10-04-04	<.1	14,000	<.100	67.0	<2.50	1.5	E11	M	<6.0	M
19S.06E.28.2123	10-05-04	<.1	8,500	<.100	20.0	<2.50	4.7	E10	M	M	M
19S.06E.28.2123	10-05-04	<.1	8,500	E.026	27.0	<2.50	3.4	E16	M	<6.0	M
19S.06E.28.2132	10-05-04	<.1	10,000	<.100	22.0	<2.50	4.0	E12	M	M	M
19S.06E.28.2144	10-05-04	20.0	8,100	E.045	E.25	7.80	33.0	E3	M	M	<5.0

Local identifier	Date	Chromium, water, unfltrd recover -able, ug/L (01034)	Cobalt water, unfltrd recover -able, ug/L (01037)	Lead, water, unfltrd recover -able, ug/L (01051)	Selenium, water, unfltrd ug/L (01147)	Cyanide water, unfltrd EPA contrac rec, mg/L (99896)
19S.06E.28.141	10-04-04	E4	<10	<5.0	100	<.01
19S.06E.28.2123	10-05-04	E8	<10	M	36	<.01
19S.06E.28.2123	10-05-04	E9	<10	<5.0	47	<.01
19S.06E.28.2132	10-05-04	20	<10	<5.0	48	<.01
19S.06E.28.2144	10-05-04	11	<10	M	E3	<.01

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.
- M-- Presence verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

OTERO COUNTY

Local identifier	Station number	Date	Time	Organic carbon, water, unfltrd mg/L (00680)	1,2-Dichloroethene, water, unfltrd ug/L (45617)	2,4,5-Trichlorophenol, water, unfltrd ug/L (77687)	2,4,6-Trichlorophenol, water, unfltrd ug/L (34621)	2,4-Dichlorophenol, water, unfltrd ug/L (34601)	2,4-Dimethylphenol, water, unfltrd ug/L (34606)	2,4-Dinitrophenol, water, unfltrd ug/L (34616)
19S.06E.28.141 (HMW15)	323752106200701	10-04-04	1450	1.5	<1.0	<10	<10	<10	<10.0	<50
19S.06E.28.2123 (CFW-1)	323759106195201	10-05-04	1105	4.7	<1.0	<10	<10	<10	<10.0	<50
19S.06E.28.2123(CFW-2)	323759106195202	10-05-04	1245	3.4	<1.0	<10	<10	<10	<10.0	<50
19S.06E.28.2132(CFW-4)	323758106195301	10-05-04	0945	4.0	<1.0	<10	<10	<10	<10.0	<50
19S.06E.28.2144(CFW-3)	323759106195301	10-05-04	1405	33.0	<1.0	<400	<400	<400	<400	<2,000

Local identifier	Date	2,4-Dinitrotoluene water unfltrd ug/L (34611)	2,6-Dinitrotoluene water unfltrd ug/L (34626)	2-Chloronaphthalene, water, unfltrd ug/L (34581)	2-chlorophenol, water, unfltrd ug/L (34586)	2-Methyl-4,6-dinitrophenol, wat unfltrd ug/L (34657)	2-Methylnaphthalene, water, unfltrd ug/L (30194)	2-Nitroaniline water unfltrd ug/L (30195)	2-nitrophenol, water unfltrd ug/L (34591)	3,3'-Dichlorobenzidine, water, unfltrd ug/L (34631)	3-Nitroaniline water unfltrd ug/L (78300)
19S.06E.28.141	10-04-04	<10	<10	<10	<10	<50	<10.0	<50	<10	<50	<50
19S.06E.28.2123	10-05-04	<10	<10	<10	<10	<50	<10.0	<50	<10	<50	<50
19S.06E.28.2123	10-05-04	<10	<10	<10	<10	<50	E1.7	<50	<10	<50	<50
19S.06E.28.2132	10-05-04	<10	<10	<10	<10	<50	16.0	<50	<10	<50	<50
19S.06E.28.2144	10-05-04	<400	<400	<400	<400	<2,000	2,100	<2,000	<400	<2,000	<2,000

Local identifier	Date	4-Bromophenyl phenyl ether, wat unfltrd ug/L (34636)	4-Chlorophenyl-3-methylphenol, wat unfltrd ug/L (34452)	4-Chloroaniline water unfltrd ug/L (30343)	4-Chlorophenyl ether, wat unfltrd ug/L (34641)	4-Nitroaniline water unfltrd ug/L (30196)	4-Nitrophenol, water, unfltrd ug/L (34646)	9H-Fluorene, water, unfltrd ug/L (34381)	Ace-naphthene, water, unfltrd ug/L (34205)	Ace-naphthylene, water, unfltrd ug/L (34200)	Anthracene, water, unfltrd ug/L (34220)
19S.06E.28.141	10-04-04	<10	<10	<10	<10	<50	<50	<10	<10	<10	<10
19S.06E.28.2123	10-05-04	<10	<10	<10	<10	<50	<50	<10	<10	<10	<10
19S.06E.28.2123	10-05-04	<10	<10	<10	<10	<50	<50	<10	<10	<10	<10
19S.06E.28.2132	10-05-04	<10	<10	<10	<10	<50	<50	<10	E1	<10	<10
19S.06E.28.2144	10-05-04	<400	<400	<400	<400	<2,000	<2,000	680	<400	<400	<400

Local identifier	Date	Benzo-[a]-anthracene, water, unfltrd ug/L (34526)	Benzo-[a]-pyrene, water, unfltrd ug/L (34247)	Benzo-[b]-fluoranthene, water, unfltrd ug/L (34230)	Benzo-[ghi]-perylene, water, unfltrd ug/L (34521)	Benzo-[k]-fluoranthene, water, unfltrd ug/L (34242)	Benzyl n-butyl phthalate, water, unfltrd ug/L (34292)	Bis(2-chloroethoxy) methane, water, unfltrd ug/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)	Bis(2-chloro-isopropyl) ether, wat unfltrd ug/L (34283)	Bis(2-ethylhexyl) phthalate, wat unfltrd ug/L (39100)
19S.06E.28.141	10-04-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
19S.06E.28.2123	10-05-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
19S.06E.28.2123	10-05-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
19S.06E.28.2132	10-05-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
19S.06E.28.2144	10-05-04	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400

Local identifier	Date	Carbazole, water, unfltrd ug/L (77571)	Chrysene, water, unfltrd ug/L (34320)	Di-benzo-[a,h]-anthracene, wat unfltrd ug/L (34556)	Di-benzofuran, water, unfltrd ug/L (81302)	Diesel range organic cmpds, water, unfltrd ug/L (04585)	Di-ethyl phthalate, water, unfltrd ug/L (34336)	Di-methyl phthalate, water, unfltrd ug/L (34341)	Di-n-butyl phthalate, water, unfltrd ug/L (39110)	Di-n-octyl phthalate, water, unfltrd ug/L (34596)	Fluoranthene water unfltrd ug/L (34376)
19S.06E.28.141	10-04-04	<10.0	<10	<10	<10	<250	<10	<10	<10	<10	<10
19S.06E.28.2123	10-05-04	<10.0	<10	<10	<10	<250	<10	<10	<10	<10	<10
19S.06E.28.2123	10-05-04	<10.0	<10	<10	<10	E210	<10	<10	<10	<10	<10
19S.06E.28.2132	10-05-04	E1.0	<10	<10	E4.7	450	<10	<10	<10	<10	<10
19S.06E.28.2144	10-05-04	<400	<400	<400	<400	--	<400	<400	<400	<400	<400

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

OTERO COUNTY

Local identifier	Date	Hexachlorobenzene water unfltrd ug/L (39700)	Hexachlorocyclopentadiene, wat unfltrd ug/L (34386)	Indeno-[1,2,3-cd]pyrene, water, unfltrd ug/L (34403)	Iso-phorone water unfltrd ug/L (34408)	Nitrobenzene water unfltrd ug/L (34447)	N-Nitroso-di-n-propylamine, wat unfltrd ug/L (34428)	N-Nitroso-di-phenylamine, wat unfltrd ug/L (34433)	o-Cresol, water, unfltrd ug/L (77152)	Organic halides water unfltrd ug/L as Cl (79747)	p-Cresol, water, unfltrd ug/L (77146)
19S.06E.28.141	10-04-04	<10	<50	<10	<10	<10	<10	<10	<10	<40	<10
19S.06E.28.2123	10-05-04	<10	<50	<10	<10	<10	<10	<10	<10	<40	<10
19S.06E.28.2123	10-05-04	<10	<50	<10	<10	<10	<10	<10	<10	<40	<10
19S.06E.28.2132	10-05-04	<10	<50	<10	<10	<10	<10	<10	<10	<40	<10
19S.06E.28.2144	10-05-04	<400	<2,000	<400	<400	<400	<400	<400	<400	<40	<400

Local identifier	Date	Pentachlorophenol, water, unfltrd ug/L (39032)	Phenanthrene, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)	Pyrene, water, unfltrd ug/L (34469)	Xylene, water, unfltrd ug/L (81551)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)
19S.06E.28.141	10-04-04	<50	<10	<10.0	<10	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
19S.06E.28.2123	10-05-04	<50	<10	<10.0	<10	<2.0	<1.0	<1.0	<1.0	3.9	<1.0
19S.06E.28.2123	10-05-04	<50	<10	<10.0	<10	<2.0	<1.0	<1.0	<1.0	1.7	<1.0
19S.06E.28.2132	10-05-04	<50	E3	<10.0	<10	<2.0	<1.0	<1.0	<1.0	E.34	<1.0
19S.06E.28.2144	10-05-04	<2,000	710	<400	E80	<2.0	E.62	<1.0	<1.0	5.3	<1.0

Local identifier	Date	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	Acetone water unfltrd ug/L (81552)	Benzene water unfltrd ug/L (34030)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-methane water unfltrd ug/L (34413)
19S.06E.28.141	10-04-04	<10	<10	<1.0	<1.0	<10	<10	<10	<1.0	<1.0	<2.0
19S.06E.28.2123	10-05-04	<10	<10	<1.0	<1.0	<10	<10	<10	<1.0	<1.0	<2.0
19S.06E.28.2123	10-05-04	<10	<10	<1.0	<1.0	<10	<10	<10	<1.0	<1.0	<2.0
19S.06E.28.2132	10-05-04	<10	<10	<1.0	<1.0	<10	<10	<10	E.55	<1.0	<2.0
19S.06E.28.2144	10-05-04	<400	<400	<1.0	<1.0	<400	<400	E6.2	1.6	<1.0	<2.0

Local identifier	Date	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
19S.06E.28.141	10-04-04	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0
19S.06E.28.2123	10-05-04	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	E.29	<5.0	<1.0
19S.06E.28.2123	10-05-04	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0
19S.06E.28.2132	10-05-04	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0
19S.06E.28.2144	10-05-04	E.36	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<5.0	<5.0	1.7

Local identifier	Date	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	Styrene water unfltrd ug/L (77128)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)
19S.06E.28.141	10-04-04	<10	<10	<5.0	<10	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
19S.06E.28.2123	10-05-04	<10	<10	<5.0	<10	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
19S.06E.28.2123	10-05-04	<10	<10	<5.0	<10	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
19S.06E.28.2132	10-05-04	<10	<10	<5.0	E1	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
19S.06E.28.2144	10-05-04	<400	<400	<5.0	E210	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

OTERO COUNTY

Local identifier	Date	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Cyanide water, unfltrd EPA contrac rec, mg/L (99896)
19S.06E.28.141	10-04-04	<1.0	<1.0	<1.0	4.2	<2.0	<.01
19S.06E.28.2123	10-05-04	<1.0	<1.0	E.17	E.77	<2.0	<.01
19S.06E.28.2123	10-05-04	<1.0	<1.0	E.32	1.4	<2.0	<.01
19S.06E.28.2132	10-05-04	<1.0	<1.0	E.20	E.43	<2.0	<.01
19S.06E.28.2144	10-05-04	<1.0	<1.0	<1.0	<1.0	<2.0	<.01

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

ROOSEVELT COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Dissolved oxygen, mg/L (00300)
01N.30E.03.213334 MWQ5	342031103464701	041	GW	12-16-04	0935	110AVMB	103	4,231.74	.5	6.7
			GW	07-19-05	1500	110AVMB	103	4,231.74	1.2	8.0
01N.30E.05.112 MWQ 6	342048103492701	041	GW	12-14-04	0910	121OGLL	--	4,270.64	.3	--
01N.30E.08.211 MWL6	341958103485401	041	GW	12-14-04	1435	121OGLL	--	4,303.04	11	7.0
			GW	07-20-05	1225	121OGLL	--	4,303.04	--	6.8
01N.30E.13.414424 MWQ3	341820103442601	041	GW	12-13-04	1425	110AVMB	165	4,268.22	.2	6.0
			GW	07-18-05	1735	110AVMB	165	4,268.22	.6	8.1
01N.30E.15.324 MWQ 16	341825103470301	041	GW	12-15-04	0835	121OGLL	181	4,323.21	1.0	4.4
			GW	07-20-05	1550	121OGLL	181	4,323.21	4.2	5.0
01N.30E.22.321 MWQ 15	341743103470801	041	GW	12-15-04	0745	121OGLL	181	4,356.27	57	2.8
			GW	07-18-05	1705	121OGLL	181	4,356.27	5.1	1.9
01N.30E.25.222 MWQ 2	341714103442502	041	GW	12-15-04	1000	231CHNL	245	4,288.80	340	.6
			GW	07-20-05	1400	231CHNL	245	4,288.80	4.1	1.8
01N.30E.27.324 MWQ 14	341640103470501	041	GW	12-15-04	0700	121OGLL	121	4,380.67	7.0	2.9
			GW	07-18-05	1520	121OGLL	121	4,380.67	5.2	--
01S.29E.12.222222 MWQ10	341954103503101	041	GW	12-14-04	1100	110AVMB	60	4,639.78	.2	9.6
			GW	07-19-05	0940	110AVMB	60	4,639.78	1.8	9.3
01N.30E.6.421 MWQ 18	342023103493401	041	GW	12-14-04	1220	121OGLL	148	4,290.61	1.2	7.2
			GW	07-19-05	1420	121OGLL	148	4,290.61	.5	7.8
01N.30E.6.421 MWQ 20	342023103493403	041	GW	12-16-04	1135	231CHNL	300	4,290.46	83	2.1
			GW	07-19-05	1315	231CHNL	300	4,290.46	9.3	--
01N.30E.1.222 MWQ 21	342045103442601	041	GW	12-15-04	1140	121OGLL	65	4,209.84	13	3.2
			GW	07-20-05	0925	121OGLL	65	4,209.84	1.3	4.2
01N.30E.1.222 MWQ 22	342045103442602	041	GW	12-15-04	1245	231CHNL	154	4,209.84	25	.8
			GW	07-20-05	1030	231CHNL	154	4,209.84	1.1	.5

Local identifier	Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)
01N.30E.03.213334	12-16-04	7.4	659	17.5	210	--	46	24	3.2	2	71
	07-19-05	7.6	683	18.0	200	28	42	23	3.1	2	63
01N.30E.05.112	12-14-04	8.3	555	17.6	160	--	35	18	E2.2	2	59
	12-14-04	8.2	955	17.9	300	--	67	33	4.1	2	69
01N.30E.08.211	07-20-05	7.5	979	20.1	330	200	71	36	4.9	2	69
	12-13-04	8.0	809	18.6	210	--	31	33	5.8	2	83
01N.30E.13.414424	07-18-05	7.9	800	18.7	210	62	30	34	6.2	2	81
	12-15-04	7.6	12,300	18.2	1,800	--	290	260	14	21	2,000
01N.30E.15.324	07-20-05	7.8	--	21.9	1,400	1,400	230	210	13	18	1,600
	12-15-04	7.7	8,650	15.9	480	--	100	57	7.2	34	1,700
01N.30E.22.321	07-18-05	7.5	--	23.4	550	440	130	55	8.3	41	2,200
	12-15-04	7.7	1,160	18.3	940	--	180	120	8.0	31	2,200
01N.30E.25.222	07-20-05	7.8	1,190	22.4	1,000	940	190	130	10	31	2,300
	12-15-04	7.8	3,960	17.2	430	--	68	62	10	14	670
01N.30E.27.324	07-18-05	8.0	--	20.9	430	300	68	64	11	14	660
	12-14-04	8.1	500	--	230	--	61	20	5.5	.4	15
01S.29E.12.222222	07-19-05	7.3	558	20.4	250	44	52	30	5.1	.4	13
	12-14-04	8.4	684	17.6	190	--	42	20	E2.7	2	71
01N.30E.6.421	07-19-05	7.7	681	20.2	190	20	42	20	3.1	2	67
	12-16-04	7.7	--	19.0	2,800	--	570	340	15	25	3,100
01N.30E.1.222	07-19-05	7.4	1,640	--	2,100	2,100	430	250	13	23	2,400
	12-15-04	7.2	2,360	17.7	750	--	170	79	10	4	240
01N.30E.1.222	07-20-05	7.2	229	18.8	800	590	180	85	12	3	210
	12-15-04	7.9	--	18.1	110	--	27	11	E2.5	11	280
01N.30E.1.222	07-20-05	7.8	1,650	19.3	130	--	31	13	3.2	11	280

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

ROOSEVELT COUNTY

Local identifier	Date	Alkalinity, wat flt fxd end field, mg/L as CaCO3 (39036)	Bromide water, fltrd, ug/L (91000)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Sulfide water, fltrd, mg/L (00746)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
01N.30E.03.213334	12-16-04	--	E.15	22	2.6	98	<4.0	401	440	<.10	6.3
	07-19-05	170	E.19	24	2.3	100	<4.0	387	450	E.04	6.9
01N.30E.05.112	12-14-04	--	E.10	12	2.6	70	<4.0	--	360	E.02	5.8
01N.30E.08.211	12-14-04	--	.56	100	1.6	200	<4.0	553	630	E.07	0.64
	07-20-05	120	.58	100	1.3	200	E.96	555	670	E.09	0.66
01N.30E.13.414424	12-13-04	--	.35	63	2.0	140	<4.0	454	480	E.04	0.95
	07-18-05	150	.39	63	1.2	140	<4.0	447	480	.14	0.98
01N.30E.15.324	12-15-04	--	6.5	2,800	E.68	1,400	<4.0	6,790	6,800	<.10	0.93
01N.30E.22.321	07-20-05	39	5.1	2,400	E.54	1,200	<4.0	5,680	5,600	E.03	0.74
	12-15-04	--	33	1,400	E3.2	1,700	<4.0	5,080	5,200	E.08	6.3
01N.30E.25.222	07-18-05	110	11	2,400	E.54	2,200	E.80	7,070	4,300	.57	1.1
	12-15-04	--	7.1	3,300	<5.0	1,300	<4.0	7,150	6,900	.42	<0.10
01N.30E.27.324	07-20-05	69	7.0	3,500	<5.0	1,300	<4.0	7,470	7,400	.43	<0.10
	12-15-04	--	4.7	620	2.7	870	<4.0	2,400	2,500	E.02	2.8
01S.29E.12.222222	07-18-05	130	4.8	650	2.0	900	<4.0	2,450	2,500	.12	3.3
	12-14-04	--	E.09	E2.5	2.4	28	<4.0	--	320	<.10	6.5
01N.30E.6.421	07-19-05	210	E.12	7.1	1.1	27	E.64	266	350	E.03	1.1
	12-14-04	--	.23	42	1.9	100	<4.0	--	440	E.02	0.68
01N.30E.6.421	07-19-05	170	.24	41	1.7	110	E.96	385	450	E.09	0.56
	12-16-04	--	9.2	5,300	<5.0	1,600	<4.0	11,000	11,000	.36	0.36
01N.30E.1.222	07-19-05	53	4.2	2,700	E.50	730	<4.0	6,560	5,100	.39	<0.10
	12-15-04	--	1.4	190	2.8	750	<4.0	1,570	1,700	E.03	1.5
01N.30E.1.222	07-20-05	210	1.4	180	2.2	730	<4.0	1,530	1,700	E.04	1.4
	12-15-04	--	.74	270	1.1	210	<4.0	--	920	<.10	0.79
01N.30E.1.222	07-20-05	140	.76	280	E.85	220	<4.0	911	910	E.04	0.66

Local identifier	Date	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
01N.30E.03.213334	12-16-04	<.050	E.75	<2.0	7.3	28	<1.0	<1.0	E1.3	E.07	E1.0
	07-19-05	--	E.46	E.09	7.5	29	<1.0	<1.0	E1.1	E.11	E1.5
01N.30E.05.112	12-14-04	<.050	1.2	<2.0	6.7	31	<1.0	<1.0	E1.2	E.06	E.77
01N.30E.08.211	12-14-04	<.050	1.2	<2.0	7.6	20	<1.0	<1.0	E1.2	E.31	E.84
	07-20-05	--	E.38	<2.0	7.7	22	<1.0	<1.0	E.77	E.20	E.76
01N.30E.13.414424	12-13-04	<.050	E.89	<2.0	10	25	<1.0	<1.0	E1.4	E.06	E1.2
	07-18-05	--	E.51	<2.0	10	25	<1.0	<1.0	E1.3	E.08	E1.8
01N.30E.15.324	12-15-04	<.050	E.52	E1.6	E5.6	19	<5.0	<5.0	E3.1	E.64	E4.6
01N.30E.22.321	07-20-05	--	<1.0	E3.0	E6.6	16	<2.0	E.42	E3.8	E.87	6.8
	12-15-04	<.050	6.6	<4.0	13	8.6	<2.0	<2.0	E1.6	E1.5	6.9
01N.30E.25.222	07-18-05	--	5.5	<4.0	11	9.6	<2.0	<2.0	E2.2	E.96	9.5
	12-15-04	<.050	E.65	<10	E5.6	24	<5.0	<5.0	E1.8	E1.9	E5.9
01N.30E.27.324	07-20-05	--	<1.0	<10	E7.6	29	<5.0	<5.0	E4.2	E1.3	E6.8
	12-15-04	<.050	E.74	E1.1	6.1	13	<1.0	E.04	E1.3	E.43	E3.1
01N.30E.27.324	07-18-05	--	2.0	E3.6	5.5	12	<1.0	E.06	E1.6	E.33	E2.5
01S.29E.12.222222	12-14-04	<.050	1.6	<2.0	6.0	76	<1.0	<1.0	E.46	E1.2	2.4
	07-19-05	--	E.95	<2.0	E4.7	120	<1.0	<1.0	E.56	E.14	E1.6
01N.30E.6.421	12-14-04	<.050	1.2	E.27	7.4	31	<1.0	<1.0	E1.2	1.7	E.60
01N.30E.6.421	07-19-05	--	E.62	E.08	7.4	31	<1.0	<1.0	E1.5	E.12	E.58
	12-16-04	<.050	1.1	E.81	E5.4	96	<5.0	E.33	E2.9	E2.8	E.59
01N.30E.1.222	07-19-05	--	5.6	E.36	E6.0	92	<2.0	W.28	E3.4	2.8	11
	12-15-04	<.050	2.5	E.21	6.4	49	<1.0	<1.0	E1.3	E.45	2.7
01N.30E.1.222	07-20-05	--	1.8	E.11	7.2	44	<1.0	<1.0	E1.4	E.57	4.3
	12-15-04	<.050	E.48	<2.0	E1.4	24	<1.0	<1.0	E1.4	E.27	E.98
01N.30E.1.222	07-20-05	--	E.47	E.05	E2.4	29	<1.0	<1.0	E.98	E.35	E1.7

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

ROOSEVELT COUNTY

Local identifier	Date	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Titanium, water, fltrd, ug/L (01150)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)
01N.30E.03.213334	12-16-04	E.1	<1.0	<.20	3.8	<2.0	E3.5	<5.0	<10	62	E9.0
	07-19-05	E.5	E.49	--	3.7	E1.2	E3.8	<5.0	--	59	E7.5
01N.30E.05.112	12-14-04	E.3	E.39	<.20	2.1	<2.0	E1.6	<5.0	<10	51	25
01N.30E.08.211	12-14-04	<1.0	66	<.20	E1.9	<2.0	6.1	<5.0	<10	46	E9.4
	07-20-05	1.0	54	--	2.1	E1.3	6.9	<5.0	--	51	E7.1
01N.30E.13.414424	12-13-04	E.10	<1.0	<.20	5.7	<2.0	5.0	<5.0	<10	74	E3.8
	07-18-05	E.60	E.36	--	6.0	E.62	5.1	<5.0	--	78	E5.4
01N.30E.15.324	12-15-04	E1.6	E3.2	<.20	11	<10	E20	<25	<10	E6.0	68
	07-20-05	E.90	2.6	--	9.2	12	24	E.03	--	E5.5	E12
01N.30E.22.321	12-15-04	<2.0	90	<.20	16	E2.2	140	<10	<10	E6.9	E7.8
	07-18-05	E.4	240	--	24	6.8	31	<10	--	E4.2	E4.0
01N.30E.25.222	12-15-04	<5.0	320	<.20	21	12	<25	<25	<10	E1.2	<50
	07-20-05	<5.0	420	--	25	10	E5.4	<25	--	E4.5	<50
01N.30E.27.324	12-15-04	E.70	E1.6	<.20	26	2.9	23	<5.0	<10	E4.3	43
	07-18-05	E.50	E1.2	--	29	5.5	27	<5.0	--	E4.6	E9.4
01S.29E.12.222222	12-14-04	E.20	<1.0	<.20	3.7	<2.0	E.47	<5.0	<10	38	16
	07-19-05	1.6	E.74	--	4.4	E1.0	E.68	<5.0	--	37	12
01N.30E.6.421	12-14-04	<1.0	2.5	<.20	4.7	<2.0	E3.2	<5.0	<10	54	E4.4
	07-19-05	E.44	E.55	--	4.9	E.9	E2.4	<5.0	--	60	E5.6
01N.30E.6.421	12-16-04	<5.0	670	<.20	21	10	E5.2	<25	<10	E2.1	260
	07-19-05	E.60	550	--	16	25	E8.2	<10	--	E3.8	120
01N.30E.1.222	12-15-04	E.16	10	<.20	12	<2.0	11	<5.0	<10	37	27
	07-20-05	E.54	1.1	--	9.3	6.7	12	<5.0	--	45	E9.9
01N.30E.1.222	12-15-04	<1.0	8.3	<.20	8.6	<2.0	8.2	<5.0	<10	32	29
	07-20-05	E.56	71	--	9.4	E1.7	8.8	<5.0	--	33	E7.6

Local identifier	Date	Perchlorate, water, fltrd, ug/L (63790)
01N.30E.03.213334	12-16-04	3.3
	07-19-05	--
01N.30E.05.112	12-14-04	2.2
01N.30E.08.211	12-14-04	9.1
	07-20-05	--
01N.30E.13.414424	12-13-04	7.0
	07-18-05	--
01N.30E.15.324	12-15-04	2.5
	07-20-05	--
01N.30E.22.321	12-15-04	20
	07-18-05	--
01N.30E.25.222	12-15-04	<.20
	07-20-05	--
01N.30E.27.324	12-15-04	4.6
	07-18-05	--
01S.29E.12.222222	12-14-04	E.07
	07-19-05	--
01N.30E.6.421	12-14-04	5.8
	07-19-05	--
01N.30E.6.421	12-16-04	<.20
	07-19-05	--
01N.30E.1.222	12-15-04	5.4
	07-20-05	--
01N.30E.1.222	12-15-04	2.1
	07-20-05	--

Remark codes used in this table:

< -- Less than.
E -- Estimated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

ROOSEVELT COUNTY

Local identifier	Date	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)
01N.30E.03.213334	12-16-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-19-05	--	--	--	--	--	--	--	--	--	--
01N.30E.05.112	12-14-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
01N.30E.08.211	12-14-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-20-05	--	--	--	--	--	--	--	--	--	--
01N.30E.13.414424	12-13-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-18-05	--	--	--	--	--	--	--	--	--	--
01N.30E.15.324	12-15-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-20-05	--	--	--	--	--	--	--	--	--	--
01N.30E.22.321	12-15-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-18-05	--	--	--	--	--	--	--	--	--	--
01N.30E.25.222	12-15-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-20-05	--	--	--	--	--	--	--	--	--	--
01N.30E.27.324	12-15-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-18-05	--	--	--	--	--	--	--	--	--	--
01S.29E.12.222222	12-14-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-19-05	--	--	--	--	--	--	--	--	--	--
01N.30E.6.421	12-14-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-19-05	--	--	--	--	--	--	--	--	--	--
01N.30E.6.421	12-16-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-19-05	--	--	--	--	--	--	--	--	--	--
01N.30E.1.222	12-15-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-20-05	--	--	--	--	--	--	--	--	--	--
01N.30E.1.222	12-15-04	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07-20-05	--	--	--	--	--	--	--	--	--	--

ROOSEVELT COUNTY

Local identifier	Date	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)
01N.30E.03.213334	12-16-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-19-05	--	--	--	--	--
01N.30E.05.112	12-14-04	<1.0	<1.0	<2.0	<1.0	<1.0
01N.30E.08.211	12-14-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-20-05	--	--	--	--	--
01N.30E.13.414424	12-13-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-18-05	--	--	--	--	--
01N.30E.15.324	12-15-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-20-05	--	--	--	--	--
01N.30E.22.321	12-15-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-18-05	--	--	--	--	--
01N.30E.25.222	12-15-04	<1.0	<1.0	<2.0	E.28	<1.0
	07-20-05	--	--	--	--	--
01N.30E.27.324	12-15-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-18-05	--	--	--	--	--
01S.29E.12.222222	12-14-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-19-05	--	--	--	--	--
01N.30E.6.421	12-14-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-19-05	--	--	--	--	--
01N.30E.6.421	12-16-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-19-05	--	--	--	--	--
01N.30E.1.222	12-15-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-20-05	--	--	--	--	--
01N.30E.1.222	12-15-04	<1.0	<1.0	<2.0	<1.0	<1.0
	07-20-05	--	--	--	--	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

SANDOVAL COUNTY

Local identifier	Station number	County	Station type	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	
12N.06E.34.231	351337106172801	043	GW	12-10-04	1030	220.0	179.78	6,430	15.0	13	
Local identifier	Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)
12N.06E.34.231	12-10-04	7.6	662	6.5	14.5	270	10	64.3	27.1	2.47	1
Local identifier	Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt Gran, mg/L as CaCO3 (29802)	Alkalinity, wat flt inc tit, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)
12N.06E.34.231	12-10-04	46.4	266	263	.16	9.11	.6	28.1	75.0	418	413
Local identifier	Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
12N.06E.34.231	12-10-04	<.04	1.30	<.008	1.33	.092	.030	E6.7	2	<.20	1.5
Local identifier	Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)
12N.06E.34.231	12-10-04	116	<.06	66	<.04	E.6	.140	.8	<6	.10	19.7
Local identifier	Date	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Deuterium/Protium ratio, water, unfltrd per mil (82082)
12N.06E.34.231	12-10-04	E.2	1.8	1.88	3.9	<.2	451	<.04	4.8	.9	-77.00

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

SANDOVAL COUNTY

Local identifier	Date	Uranium natural water, fltrd, ug/L (22703)	O-18 / O-16 ratio, unfltrd per mil (82085)
12N.06E.34.231	12-10-04	8.10	-10.98

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

SANTA FE COUNTY

Local identifier	Station number	County	Station type	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	
10N.08E.04.243	350715106052301	049	GW	12-08-04	1200	313SADG	1,070	6,370	500	65	
11N.07E.33.443	350743106114201	049	GW	12-08-04	1300	325MDER	800	6,620	300	35	
Local identifier	Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)
10N.08E.04.243	12-08-04	7.7	440	20.1	200	30	47.1	20.8	2.72	.5	15.7
11N.07E.33.443	12-08-04	6.7	1,120	16.8	660	53	202	35.8	3.15	.5	27.5
Local identifier	Date	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
10N.08E.04.243	12-08-04	178	174	.14	7.64	.5	24.2	41.4	270	263	<.04
11N.07E.33.443	12-08-04	603	602	.28	19.2	.6	21.8	30.4	710	591	E.02
Local identifier	Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
10N.08E.04.243	12-08-04	1.02	<.008	.99	--	E.003	<.4	E1	<.20	2.1	102
11N.07E.33.443	12-08-04	1.26	<.008	1.27	.040	.013	13.7	E1	<.20	1.3	256
Local identifier	Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)
10N.08E.04.243	12-08-04	<.06	67	<.04	2.6	.108	3.0	<6	.76	13.8	E.2
11N.07E.33.443	12-08-04	<.06	50	E.03	E.5	.479	9.9	8	1.08	30.3	1.4
Local identifier	Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Deuterium/Protium ratio, water, unfltrd per mil (82082)	Uranium natural water, fltrd, ug/L (22703)
10N.08E.04.243	12-08-04	2.8	1.47	3.0	<.2	672	<.04	9.8	26.0	-73.40	4.02
11N.07E.33.443	12-08-04	E.4	7.53	3.2	<.2	1,280	<.04	3.2	24.9	-73.50	7.00

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

SANTA FE COUNTY

Local identifier	Date	O-18 / O-16 ratio, water, unfltrd per mil (82085)
10N.08E.04.243	12-08-04	-10.52
11N.07E.33.443	12-08-04	-10.33

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic foot per second per day [(ft ³ /s)/d]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.233×10^3	cubic meter (m ³)
	1.233×10^{-3}	cubic hectometer (hm ³)
	1.233×10^{-6}	cubic kilometer (km ³)
Flow		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m ³ /s)
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$