
Metadata Files

Time Series

TABLE OF CONTENTS

2002 Albuquerque Basin Groundwater Model	1
Historical Monthly Precipitation Totals.....	3
Evaporation from Cochiti Lake	5
Elephant Butte Reservoir Evaporation & Storage	8
Daily Consumptive Use Estimates.....	10
Rio Grande Compact Data.....	12
USGSDailyMeanDischargeat08313000-RioGrandeAtOtowiBridge	15
USGSDailyMeanDischargeat08330775-SouthDivChannelAbvTijerasArroyoNrAlbq	21
USGSDailyMeanDischargeat08330600-TijerasArroyoNrAlbuquerque	24
USGSDailyMeanDischargeat08329900-NfloodwayChannelNrAlameda	27
USGSDailyMeanDischargeat08329000-JemezRiverBelowJemezCanyonDam	30
USGSDailyMeanDischargeat08317950-GalisteoCreekBelowGalisteoDam	33
USGSDailyMeanDischargeat08354000-RioSaladoNearSanAcacia	38

Identification Information:

Citation:

Citation Information:

Title: 2002 Albuquerque Basin Groundwater Model

Description:

Abstract: Model is described in the 2002 report "Simulation of ground-water flow in the Middle Rio Grande Basin Between Cochiti and San Acacia, New Mexico" USGS Water Resources Investigations Report 02-4200, prepared in cooperation with the New Mexico Office of the State Engineer and the City of Albuquerque Public Works Department.

Supplemental Information: This model is a 3-dimensional, finite difference, groundwater flow of the Santa Fe Group aquifer system within the Middle Rio Grande Basin between Cochiti and San Acacia, New Mexico. This model builds on previous models and work by Kernodle and others (1995), Kernodle (1998), Tiedeman and others (1998), and Barroll (2001). Model simulations encompass historic conditions from 1900 to 2000.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date:

Ending Date:

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -109.049562

East Bounding Coordinate: -103.001479

North Bounding Coordinate: 37.000274

South Bounding Coordinate: 31.332066

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: Groundwater model

Place:

Place Keyword Thesaurus: None

Place Keyword: New Mexico

Place Keyword: Rio Grande

Place Keyword: Middle Rio Grande Basin

Place Keyword: Albuquerque Basin

Point of Contact:

Contact Information:

Contact Person Primary:

Contact Person: Peggy Barroll

Contact Organization: Office of the State Engineer,

Hydrology Division

Contact Address:

Address Type: mailing address

Address: P.O. Box 25102

City: Sante Fe

State or Province: NM

Postal Code: 87504

Country: USA

Contact Voice Telephone: (505) 827-6133

Contact Facsimile Telephone: (505) 827-6682

Contact Electronic Mail Address: pbarroll@seo.stste.nm.us

Entity and Attribute Information:

Detailed Description:

Entity Type:

Entity Type Label: Groundwater drawdown

Detailed Description:

Entity Type:

Entity Type Label: water budget

Distribution Information:

Distributor:

Contact Information:

Contact Person Primary:

Contact Person: Peggy Barroll

Contact Organization: Office of the State Engineer,

Hydrology Division

Contact Address:

Address Type: mailing address

2002AlbuquerqueBasinGroundwaterModel.txt

Address: P. O. Box 25102

City: Sante Fe

State_or_Province: NM

Postal_Code: 87504

Country: USA

Contact_Voice_Telephone: (505) 827-6133

Contact_Facsimile_Telephone: (505) 827-6682

Contact_Electronic_Mail_Address: pbarroll@seo.stste.nm.us

Metadata_Reference_Information:

Metadata_Date: 20041027

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Time_Convention: local time

Historical Monthly Precipitation Totals.txt

Identification Information:

Citation:

Citation Information:

Title: Historical Monthly Precipitation Totals

Description:

Abstract: Monthly precipitation data for Albuquerque WSFO Airport, Bosque del Apache and Socorro, New Mexico. Automated Surface Observation System (ASOS)

Supplemental Information: Albuquerque WSFO Airport: Station Number 290234; Station Elevation 5308.7 ft.

Socorro: Station Number 298387

Bosque del Apache: Station Number 291138

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 191401

Ending Date: 200312

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: Precipitation

Place:

Place Keyword Thesaurus: None

Place Keyword: Albuquerque

Place Keyword: New Mexico

Place Keyword: Rio Grande

Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: Western Regional Climate Center

Contact Voice Telephone: (775) 674-7010

Contact Facsimile Telephone: (775) 674-7016

Contact Electronic Mail Address: wrcc@dri.edu

Contact Instructions: www.wrcc.dri.edu

Data Quality Information:

Attribute Accuracy:

Attribute Accuracy Report: Not determined

Entity and Attribute Information:

Detailed Description:

Entity Type:

Entity Type Label: Monthly total precipitation (inches)

Entity Type Definition: Total monthly precipitation in inches

Distribution Information:

Distributor:

Contact Information:

Contact Organization Primary:

Contact Organization: Western Regional Climate Center

Contact Voice Telephone: (775) 674-7010

Contact Facsimile Telephone: (775) 674-7016

Contact Electronic Mail Address: wrcc@dri.edu

Contact Instructions: www.wrcc.dri.edu

Standard Order Process:

Fees: none

Ordering Instructions: Website: www.wrcc.dri.edu

Metadata Reference Information:

Metadata Date: 20041027

Metadata Review Date:

Metadata Future Review Date:

Metadata Contact:

Contact Information:

Contact Person Primary:

Contact Person: Karen L. MacClune

Contact Organization: S. S. Papadopoulos & Associates, Inc.

Contact Position: Project Hydrologist

Contact Address:

Address Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

HistoricalMonthlyPrecipitationTotals.txt
State_or_Province: CO
Postal_Code: 80302-5425
Country: USA
Contact_Voice_Telephone: (303) 939-8880
Contact_Facsimile_Telephone: (303) 939-8877
Contact_Electronic_Mail_Address: karen@sspa.com

EvaporationfromCochitiLake.txt

Identification_Information:

Citation:

Citation_Information:

Title: Evaporation from Cochiti Lake

Description:

Abstract: Annual evaporation data, in acre-feet, for Cochiti Reservoir

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1975

Ending_Date: 2002

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Evaporation

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Cochiti Lake

Place_Keyword: New Mexico

Place_Keyword: Rio Grande

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Army Corps of Engineers

Contact_Person: John Kimball

Contact_Address:

Address_Type: mailing and physical address

Address: U.S. Army Corps of Engineers

Reservoir Control Branch

4101 Jefferson Plaza, NE

City: Albuquerque

State_or_Province: New Mexico

Postal_Code: 87109-3435

Country: USA

Contact_Voice_Telephone: (505) 342-3385

Contact_Facsimile_Telephone: (505) 342-3195

Contact_Electronic_Mail_Address: john.a.kimball@usace.army.mil

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Not Determined

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Evaporation

Entity_Type_Definition: Annual evaporation from Cochiti Reservoir in

acre-feet per year.

November through
in the pan and is not
late March or
put back in service
hours).

Note: Generally the evaporation pan is out of service from
March. The Corps's criteria is that once ice starts forming
melted by 1000 hours, the pan is drained and stored. During
early April, depending on the temperatures, the pan will be
if ice is no longer a problem (i.e., melts off by 1000

Equation:

$$\text{evap} = \text{pan} * \text{factor} * \text{area} / 12 \text{ (inches/foot)}$$

where:

evap = lake evaporation in acre-feet for day t (0000

pan = pan evaporation in inches for the 24-hour

on day t+1

to 2400 hours)
period ending at 0800

Evaporation from Cochiti Lake.txt

factor = 0.70 - for Cochiti and Jemez
area = average area of the lake for day t is the
2400 on day t-1 and at 2400 on day t

average of the area at

Example:

pan = 0.40 inches at 0800 on 20 Sep
area: 1091 acres at 2400 on 18 Sep
1085 acres at 2400 on 19 Sep
area = (1091 + 1085)/2 = 1088 acres average for
evap = 0.40 inches * 0.70 * 1088 acres / 12
= 25 acre-feet

19 Sep
(inches/foot)

Winter (evaporation pan out of service):

Equation:

evap = apan * factor * area * (1-ice) / 12(inches/foot)

where:

evap = lake evaporation in acre-feet for day t (0000
apan = average pan evaporation value used for 24-hour
when the evaporation pan is out of service.
and month.

to 2400 hours)
pan evaporation
Differs by project

	Average Pan Evaporation (inches/day)							
	Jan	Feb	Mar	Apr	...	Oct	Nov	Dec
Cochiti	.09	.15	.23	.29		.22	.13	.09
Jemez	.10	.16	.25	.32		.19	.14	.10

factor = 0.70 - for Cochiti and Jemez
area = average area in acres of the lake area at 2400
2400 on day t
ice = eyeball estimate of the percentage of the lake
by ice during the 24-hour period ending at

on day t-1 and at
surface covered
0800 hours on day t+1

Example:

apan = 0.10 inches at Jemez for a January day
area: 1238 acres at 2400 on 11 Jan
1240 acres at 2400 on 12 Jan
area = (1238 + 1240)/2 = 1239 acres average for
ice = 0.20 (20%) at 0800 on 13 Jan
evap = 0.10 inches * 0.70 * 1239 acres * (1-0.20) / 12
= 6 acre-feet

12 Jan
(inches/foot)

Distribution Information:

Distributor:

Contact Information:

Contact_Organization_Primary:
Contact_Organization: U. S. Army Corps of Engineers
Contact_Person: John Kimball
Contact_Address:
Address_Type: mailing and physical address
Address: U.S. Army Corps of Engineers
Reservoir Control Branch
4101 Jefferson Plaza, NE
City: Albuquerque
State_or_Province: New Mexico
Postal_Code: 87109-3435
Country: USA
Contact_Voice_Telephone: (505) 342-3385

EvaporationfromCochitiLake.txt
Contact_Facsimile_Telephone: (505) 342-3195
Contact_Electronic_Mail_Address: john.a.kimball@usace.army.mil
Metadata_Reference_Information:
Metadata_Date: 20041027
Metadata_Review_Date:
Metadata_Future_Review_Date:
Metadata_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Karen L. MacClune
Contact_Organization: S. S. Papadopoulos & Associates, Inc.
Contact_Position: Project Hydrologist
Contact_Address:
Address_Type: mailing and physical address
Address: 1877 Broadway, Suite 703
City: Boulder
State_or_Province: CO
Postal_Code: 80302-5425
Country: USA
Contact_Voice_Telephone: (303) 939-8880
Contact_Facsimile_Telephone: (303) 939-8877
Contact_Electronic_Mail_Address: karen@sspa.com

ElephantButteReservoirEvaporationandStorage.txt

Identification_Information:

Citation:

Citation_Information:

Title: Elephant Butte Reservoir Evaporation and Storage

Description:

Abstract: Annual evaporation and reservoir storage data for Elephant Butte Reservoir calculated (by the USBR) from daily measurements taken by the USBR.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1938

Ending_Date: 2002

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 0

East_Bounding_Coordinate: 0

North_Bounding_Coordinate: 0

South_Bounding_Coordinate: 0

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Evaporation

Theme_Keyword: USBR

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Elephant Butte Reservoir

Place_Keyword: Rio Grande

Place_Keyword: New Mexico

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Bert Cortez

Contact_Organization: U. S. Bureau of Reclamation

Contact_Address:

Address_Type: mailing and physical address

Address: U. S. Bureau of Reclamation

700 East San Antonio Ave.

Rm 318

City: El Paso

State_or_Province: Texas

Postal_Code: 79901

Country: USA

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Not Determined

Spatial_Data_Organization_Information:

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Total annual evaporation

Entity_Type_Definition: Daily pan evaporation (from USBR field data collected by the USBR Elephant Butte Field Division) is multiplied by 0.7 to get adjusted daily net evaporation (in inches), and then divided by 12 to obtain adjusted daily net evaporation in feet. Adjusted daily net evaporation (in feet) is multiplied by the beginning-of-day reservoir surface area to obtain total daily evaporation in acre-feet. These values are summed for the year to provide an annual evaporation in acre-feet.

Detailed_Description:

Entity_Type:

Entity_Type_Label: Average annual reservoir storage

Entity_Type_Definition: End-of-month Elephant Butte reservoir storage values are reported by the USBR to the Rio Grande Compact Commission. These values were used to calculate an average annual Elephant Butte storage, in acre-feet per year.

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Bureau of Reclamation Upper

Colorado District
ElephantButteReservoirEvaporationandStorage.txt
Contact_Person: Gloria Van Noy
Contact_Position: FOI Officer
Contact_Address:
Address_Type: mailing and physical address
Address: U. S. Bureau of Reclamation
125 South State St.
Rm 6107
UC-930
City: Salt Lake City
State_or_Province: Utah
Postal_Code: 84138-1102
Country: USA
Contact_Voice_Telephone: (801) 524-3655
Contact_Facsimile_Telephone: (801) 524-5499
Contact_Electronic_Mail_Address: gvannoy@uc.usbr.gov

Standard_Order_Process:
Ordering_Instructions: Submit formal FOIA request

Metadata_Reference_Information:

Metadata_Date: 20041027
Metadata_Review_Date:
Metadata_Future_Review_Date:
Metadata_Contact:

Contact_Information:

Contact_Person_Primary:
Contact_Person: Karen L. MacClune
Contact_Organization: S. S. Papadopoulos & Associates, Inc.
Contact_Position: Project Hydrologist
Contact_Address:
Address_Type: mailing and physical address
Address: 1877 Broadway, Suite 703
City: Boulder
State_or_Province: CO
Postal_Code: 80302-5425
Country: USA
Contact_Voice_Telephone: (303) 939-8880
Contact_Facsimile_Telephone: (303) 939-8877
Contact_Electronic_Mail_Address: karen@sspa.com

DailyConsumptiveUseEstimates.txt

Identification_Information:

Citation:

Citation_Information:

Originator: ET Toolbox, downloaded from website
Publication_Date: downloaded January 2003
Title: Daily Consumptive Use Estimates

Description:

Abstract: Daily agricultural, riparian, and open water consumptive use estimates as calculated by the USBR for URGWOM Reaches 1 to 7, for the years 1975-2002.

Supplemental_Information: These data are reported on the USBR ET Toolbox website. The following information regarding calculation of the consumptive use was obtained through telephone interview of Al Brower, USBR, Denver Office.

1) As part of the Middle Rio Grande Assessment, vegetation classes were derived for each HRAP grid cell from 1992 USBR aerial photos (as used for Land Use Trend Analysis)

2) Crop coefficients were obtained from Saleem Bawazir (505-646-6044), New Mexico State University, for the vegetation classes.

3) Consumptive use was obtained using the modified Penman procedure.

4) Uniform crop coefficients and vegetation class acreages were assigned for each year from 1975 to the present.

Further reference information is provided in "Evapotranspiration Toolbox for the Upper Rio Grande Water Operations Model", L. Albert Brower, Curtis L. Hartzell, and Steffan P. Meyer, available at the ET Toolbox website.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1975
Ending_Date: 2002

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: USBR

Theme_Keyword: Daily consumptive use estimate

Theme_Keyword: URGWOM

Theme_Keyword: Crop Consumptive Use

Theme_Keyword: Riparian Consumptive Use

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: New Mexico

Place_Keyword: Rio Grande

Place_Keyword: URGWOM Reach 1

Place_Keyword: URGWOM Reach 2

Place_Keyword: URGWOM Reach 3

Place_Keyword: URGWOM Reach 4

Place_Keyword: URGWOM Reach 5

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Curt Hartzell - ET Toolbox

Contact_Organization: ET Toolbox

Contact_Position: Meteorologist, River Systems & Meteorology Group

Contact_Electronic_Mail_Address: chartzell@do.usbr.gov

Contact_Instructions:

<http://www.usbr.gov/pmts/rivers/awards/ettoolbox.html>

Spatial_Data_Organization_Information:

Spatial_Reference_Information:

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929

Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily consumptive use - Agricultural

Entity_Type_Definition: Daily agricultural consumptive use in cubic

DailyConsumptiveUseEstimates.txt

feet per second (cfs)

Entity_Type_Definition_Source: United States Bureau of Reclamation
Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily consumptive use - Riparian

Entity_Type_Definition: Daily riparian consumptive use in cubic feet

per second (cfs)

Entity_Type_Definition_Source: United States Bureau of Reclamation
Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily consumptive use - Open Water

Entity_Type_Definition: Daily open water consumptive use in cubic

feet per second (cfs)

Entity_Type_Definition_Source: United States Bureau of Reclamation
Overview_Description:

Entity_and_Attribute_Overview: Daily consumptive use estimates along the Rio Grande for agricultural, riparian, and open water use.

Distribution_Information:

Distributor:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Curt Hartzell - ET Toolbox

Contact_Organization: ET Toolbox

Contact_Position: Meteorologist, River Systems & Meteorology Group

Contact_Electronic_Mail_Address: chartzell@do.usbr.gov

Contact_Instructions:

<http://www.usbr.gov/pmts/rivers/awards/ettoolbox.html>

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: TXT

Fees: None

Ordering_Instructions: website: www.usbr.gov/rsmg/nexrad

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date: 20041027

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

RioGrandeCompactData.txt

Identification_Information:

Citation:

Citation_Information:

Title: Rio Grande Compact Data

Description:

Abstract: This data set includes selected Rio Grande Compact-based indices reported by the Rio Grande Compact Commission in Annual Reports 1940-2002. Entities include Otowi Index Supply, San Juan Chama Transmountain Diversions at Otowi Bridge, Elephant Butte Effective Index Supply (Obligation), Actual Elephant Butte Effective Supply (Delivery), and End of Year Credit/Debit.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1940

Ending_Date: 2002

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Rio Grande Compact Credit/Debit Balance

Theme_Keyword: Otowi Index Supply

Theme_Keyword: Elephant Butte Effective Index Supply (Obligation)

Theme_Keyword: Actual Elephant Butte Effective Supply (Delivery)

Theme_Keyword: San Juan Chama Transmountain Diversions at Otowi

Bridge

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Middle Rio Grande

Place_Keyword: Otowi

Place_Keyword: Elephant Butte

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Rio Grande Compact Commission

Contact_Position: NM Office of the State Engineer Interstate Stream

Commission

Contact_Address:

Address_Type: mailing address

Address: New Mexico Office of the State Engineer

Interstate Stream Commission

P. O. Box 25102

City: Santa Fe

State_or_Province: NM

Postal_Code: 87504-5102

Country: USA

Contact_Voice_Telephone: 505-827-6160

Contact_Facsimile_Telephone: 505-827-6188

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Reported indices are computed by the Commission using procedures consistent with the Rio Grande Compact and available hydrologic data. Regarding the accuracy of supporting hydrologic data, the Annual Report states: "Rio Grande Compact Commission Report - Accuracy of Records -- The Rules and regulations of the Commission state that the equipment, method and frequency of measurement at each gaging station shall be sufficient to obtain records at least equal in accuracy to those classified as "good" by the U.S. Geological Survey. Within the physical limitations of stream gaging, the agencies obtaining the records at Compact gaging stations have complied with these regulations. The accuracy of streamflow records depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurement, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records. The station description states the degree of accuracy attributed to the records. "Excellent" means 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. Records that do not meet the criteria mentioned are rated "poor." Different Accuracies may be attributed to different parts of a given record. The probable error in a monthly or annual mean discharge depends more on the distribution of the daily errors between the limits than it does on the limits themselves. For this reason, monthly and annual records are more accurate than most daily records."

RioGrandeCompactData.txt

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Otowi Index Supply

Entity_Type_Definition: The Otowi Index Supply is the recorded flow of the Rio Grande at the USGS gaging station at Otowi Bridge near San Ildefonso during the calendar year, corrected for the operation of reservoirs constructed after 1929 in the drainage basin of the Rio Grande between Lobatos and Otowi Bridge and since 1971 for San Juan-Chama Project diversions into the Rio Grande between Lobatos and Elephant Butte Reservoir.

Entity_Type_Definition_Source: Report of the Rio Grande Compact

Commission 2001

Detailed_Description:

Entity_Type:

Entity_Type_Label: Elephant Butte Effective Index Supply (Scheduled Delivery or Obligation)

Entity_Type_Definition: Calculation of the "the obligation of New Mexico to deliver water in the Rio Grande into Elephant Butte Reservoir during each calendar year--" as determined by the Engineering Advisor to the Rio Grande Compact Commission on Feb 22-24, 1948 and published as a table in Article IV of the Rio Grande Compact.

Entity_Type_Definition_Source: Report of the Rio Grande Compact

Commission 2001

Detailed_Description:

Entity_Type:

Entity_Type_Label: Actual Elephant Butte Effective Supply (Delivery)

Entity_Type_Definition: The recorded flow of the Rio Grande at the gaging station below Elephant Butte Dam during the calendar year plus the net gain in storage in Elephant Butte Reservoir during the same year or minus the net loss in storage in said reservoir, as the case may be.

Entity_Type_Definition_Source: Report of the Rio Grande Compact

Commission 2001

Detailed_Description:

Entity_Type:

Entity_Type_Label: End of Year Credit/Debit

Entity_Type_Definition: Reported in the Annual Report as the difference between Elephant Butte Effective Index Supply and Actual Elephant Butte Effective Supply, with adjustments.

Detailed_Description:

Entity_Type:

Entity_Type_Label: San Juan Chama Transmountain Diversions at Otowi Bridge

Entity_Type_Definition: "Transmountain Diversion" is water imported into the drainage basin of the Rio Grande from any stream system outside of the Rio Grande Basin, exclusive of the Closed Basin. For the purposes of Compact accounting, Transmountain Diversion waters are measured at the point of delivery into the Rio Grande Basin and allowance are made for losses in transit from such point to the Index Gaging Station on the steam with which the imported waters are commingled. The total San Juan-Chama allocation to New Mexico is measured as releases from Heron Reservoir into the Rio Chama. San Juan-Chama water delivered for use in the Middle Rio Grande region is assessed a 2% conveyance loss between Heron Reservoir and the Otowi gage, as approved by the Rio Grande Compact Commission in 1979. San Juan Chama Transmountain Diversions at Otowi Bridge are reported in the annual Rio Grande Compact Commission reports as the Trans-mountain Diversions adjustment to the Otowi Index Supply.

Entity_Type_Definition_Source: Report of the Rio Grande Compact

Commission 2001

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Rio Grande Compact Commission

Contact_Position: NM Office of the State Engineer Interstate Stream

Commission

Contact_Address:

Address_Type: mailing address

Address: New Mexico Office of the State Engineer

Interstate Stream Commission

P. O. Box 25102

City: Santa Fe

State_or_Province: NM

Postal_Code: 87504-5102

RioGrandeCompactData.txt

Country: USA

Contact_Voice_Telephone: 505-827-6160

Contact_Facsimile_Telephone: 505-827-6188

Available_Time_Period:

Time_Period_Information:

Multiple_Dates/Times:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date: 20041027

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08313000- RioGrandeAtOtowi Bridge, Nm txt

Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08313000 - Rio Grande At Otowi

Bridge, Nm

Description:

Abstract: Mean daily discharge data for Rio Grande At Otowi Bridge, Nm
Gaging station operated by the US Geological Survey.

Supplemental Information: RIO GRANDE BASIN

> 08313000 RIO GRANDE AT OTOWI

BRIDGE, NEAR SAN ILDEFONSO, NM

@2 Rio Grande at Otowi Bridge, near San Ildefonso

@3 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM (c, d, m, s)

08313000

LOCATION. -- Lat 35°52'29", long 106°08'30", in SW1/4SW1/4 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, 1904-6, 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 National Geodetic Vertical Datum of 1929. See WSP 1312, 1732, or 1923 for history of changes prior to June 1, 1910.

REMARKS. -- Water-discharge records good. 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 W. H. Yeo's file on floods.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 189502

Ending_Date: Present

Currentness_Reference: Period of Record: Feb 1895 to Dec 1905; July 1909 to

Present

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 106.083

East_Bounding_Coordinate: 106.083

Page 1

USGSDailyMeanDischargeat08313000- RioGrandeAtOtowi Bridge, Nm.txt

North_Bounding_Coordinate: 35.5229
South_Bounding_Coordinate: 35.5229

Keywords:

Theme:

Theme_Keyword_Thesaurus: None
Theme_Keyword: USGS
Theme_Keyword: Gaging Station
Theme_Keyword: Daily mean discharge

Place:

Place_Keyword_Thesaurus: None
Place_Keyword: New Mexico
Place_Keyword: Rio Grande
Place_Keyword: Rio Grande At Otowi Bridge, Nm

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: U. S. Geological Survey
Contact_Person: Robert L. Gold
Contact_Position: Public Information Officer
Contact_Voice_Telephone: 505-830-7930
Contact_Facsimile_Telephone: 505-830-7998
Contact_Electronic_Mail_Address: beisbol@usgs.gov

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: REMARKS. --Water-discharge records good.
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.

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: Rio Grande At Otowi Bridge, Nm

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929
Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)
Entity_Type_Definition: Daily mean discharge from USGS gaging
station: Rio Grande At Otowi Bridge, Nm
in cubic feet per second
Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging
station: Rio Grande At Otowi Bridge, Nm

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: U. S. Geological Survey
Contact_Person: Robert L. Gold
Contact_Position: Public Information Officer
Contact_Voice_Telephone: 505-830-7930
Contact_Facsimile_Telephone: 505-830-7998
Contact_Electronic_Mail_Address: beisbol@usgs.gov

Standard_Order_Process:

Fees: None

Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to

USGSDailyMeanDischargeat08313000- RioGrandeAtOtowi Bridge, Nm.txt
Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08353000-RioPuercoNearBernardo,Nm.txt

Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08353000 - Rio Puerco Near

Bernardo, Nm

Description:

Abstract: Mean daily discharge data for Rio Puerco Near Bernardo, NM

Gaging station operated by the US Geological Survey.

Supplemental Information: LOCATION. -- Lat 34°24'33", long 106°51'09", in SE1/4 sec. 8, T.2 N., R.1 E., Socorro County, Hydrologic Unit 13020204, on left bank 300 ft upstream of 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 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.

GAGE. -- Water-stage recorder with satellite telemetry. Datum of gage is 4,722.34 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 24, 1969, at datum 3.10 ft higher.

REMARKS. -- Water-discharge records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 11,500 acres upstream from station (includes 3,700 acres irrigated wholly or partly from wells).

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).

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 193911

Ending Date: Present

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: 106.5109

East Bounding Coordinate: 106.5109

North Bounding Coordinate: 34.2433

South Bounding Coordinate: 34.2433

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: USGS

Theme Keyword: Gaging Station

Theme Keyword: Daily mean discharge

Place:

Place Keyword Thesaurus: None

Place Keyword: New Mexico

Place Keyword: Rio Grande

Place Keyword: Rio Puerco Near Bernardo, Nm

Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: U. S. Geological Survey

Contact Person: Robert L. Gold

Contact Position: Public Information Officer

Contact Voice Telephone: 505-830-7930

Contact Facsimile Telephone: 505-830-7998

Contact Electronic Mail Address: bei sbol@usgs.gov

USGSDailyMeanDischargeat08353000- RioPuercoNearBernardo, Nm.txt

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: REMARKS. -- Water-discharge records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 11,500 acres upstream from station (includes 3,700 acres irrigated wholly or partly from wells).

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: Rio Puerco Near Bernardo, Nm

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929

Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)

Entity_Type_Definition: Daily mean discharge from USGS gaging

station: Rio Puerco Near Bernardo, NM in cubic feet per second

Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging

station: Rio Puerco Near Bernardo, Nm

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: beisbol@usgs.gov

Standard_Order_Process:

Fees: None

Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

USGSDailyMeanDischargeat08353000- RioPuercoNearBernardo, Nm.txt
Postal_Code: 80302-5425
Country: USA
Contact_Voice_Telephone: (303) 939-8880
Contact_Facsimile_Telephone: (303) 939-8877
Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08330775-SouthDivChannelAbvTijerasArroyoNrAlbq,Nm.txt
Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08330775 - South Div Channel Abv Tijeras Arroyo Nr Albq, Nm

Description:

Abstract: Mean daily discharge data for South Div Channel Abv Tijeras Arroyo Nr Albq, NM

Gaging station operated by the US Geological Survey.
Supplemental Information: RIO GRANDE BASIN

> 08330775 SOUTH DIVERSION CHANNEL ABOVE
TIJERAS ARROYO NEAR ALBUQUERQUE, NM

LOCATION. -- Lat 35°00'09", long 106°39'02", 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 and concrete control. Elevation of gage is 4,930 ft above National Geodetic Vertical Datum of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD. -- Maximum discharge, 1,960 ft³/s, July 14, 1990, gage height, 6.30 ft from floodmarks, from rating curve extended above 30 ft³/s on basis of step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR. -- Maximum discharge, 251 ft³/s, at 2105 hours, Aug. 25, gage height, 2.36 ft; no flow most of time.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 198806

Ending Date: Present

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: 106.3902

East Bounding Coordinate: 106.3902

North Bounding Coordinate: 35.0009

South Bounding Coordinate: 35.0009

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: USGS

Theme Keyword: Gaging Station

Theme Keyword: Daily mean discharge

Place:

Place Keyword Thesaurus: None

Place Keyword: New Mexico

Place Keyword: Rio Grande

Place Keyword: South Div Channel Abv Tijeras Arroyo Nr Albq, Nm

Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: U. S. Geological Survey

Contact Person: Robert L. Gold

Contact Position: Public Information Officer

Contact Voice Telephone: 505-830-7930

Contact Facsimile Telephone: 505-830-7998

Contact Electronic Mail Address: bei sbol@usgs.gov

Page 1

USGSDailyMeanDischargeat08330775- SouthDivChannel AbvTijerasArroyoNrAlbq, Nm.txt

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: REMARKS. --Records fair except for estimated daily discharges, which are poor.

Spatial_Data_Organization_Information:
Indirect_Spatial_Reference: South Div Channel Abv Tijeras Arroyo Nr Albq, Nm

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds
Vertical_Coordinate_System_Definition:
Altitude_System_Definition:
Altitude_Datum_Name: National Geodetic Vertical Datum of 1929
Altitude_Distance_Units: feet

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: Daily mean discharge (cubic feet per second)
Entity_Type_Definition: Daily mean discharge from USGS gaging station: South Div Channel Abv Tijeras Arroyo Nr Albq, Nm in cubic feet per second
Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:
Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging station: South Div Channel Abv Tijeras Arroyo Nr Albq, Nm

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: U. S. Geological Survey
Contact_Person: Robert L. Gold
Contact_Position: Public Information Officer
Contact_Voice_Telephone: 505-830-7930
Contact_Facsimile_Telephone: 505-830-7998
Contact_Electronic_Mail_Address: bei sbol@usgs.gov

Standard_Order_Process:
Fees: None
Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:
Non-digital_Form: Paper
Ordering_Instructions: National Technical Information Services, U. S. Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:
Non-digital_Form: Paper
Ordering_Instructions: National Technical Information Services, U. S. Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:
Time_Period_Information:
Single_Date/Time:
Calendar_Date:

Metadata_Reference_Information:
Metadata_Date:
Metadata_Review_Date:
Metadata_Future_Review_Date:
Metadata_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Karen L. MacClune
Contact_Organization: S. S. Papadopoulos & Associates, Inc.
Contact_Position: Project Hydrologist
Contact_Address:
Address_Type: mailing and physical address
Address: 1877 Broadway, Suite 703
City: Boulder
State_or_Province: CO
Postal_Code: 80302-5425

USGSDailyMeanDischargeat08330775-SouthDivChannelAbvTijerasArroyoNrAlbq, Nm.txt
Country: USA
Contact_Voice_Telephone: (303) 939-8880
Contact_Facsimile_Telephone: (303) 939-8877
Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08330600-TijerasArroyoNrAlbuquerque, NMex. txt

Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08330600 - Tijeras Arroyo Nr

Albuquerque, N. Mex.

Description:

Abstract: Mean daily discharge data for Tijeras Arroyo Nr Albuquerque, NM Gaging station operated by the US Geological Survey.

Supplemental Information: RIO GRANDE BASIN

>

08330600 TIJERAS ARROYO

NEAR ALBUQUERQUE, NM

@2 Tijeras Arroyo near Albuquerque

@3 TIJERAS ARROYO NEAR ALBUQUERQUE, NM (d) 08330600

LOCATION. --Lat 35`00' 09", long 106`38' 57", in SW1/4SW1/4 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 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 10, 1988, at site 1,700 ft downstream at different datum.

REMARKS. --Records good except for estimated daily discharges, which are fair

EXTREMES FOR PERIOD OF RECORD. --Maximum discharge, 2,930 ft³/s, July 9, 1988, gage height, 9.6 ft, from floodmarks, from slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR. --Maximum discharge, 520 ft³/s, at 0912 hours, Aug. 3, gage height, 5.08 ft, from rating curve extended above 10 ft³/s on basis of step-backwater analysis of channel; no flow most of time.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 195110

Ending_Date: Present

Currentness_Reference: Oct 1951 to Sept 1968 (annual maximum only); Aug 1974 to Present (seasonal records)

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 106.3918

East_Bounding_Coordinate: 106.3918

North_Bounding_Coordinate: 35.0004

South_Bounding_Coordinate: 35.0004

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: USGS

Theme_Keyword: Gaging Station

Theme_Keyword: Daily mean discharge

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: New Mexico

Place_Keyword: Rio Grande

Place_Keyword: Tijeras Arroyo Nr Albuquerque, N. Mex.

USGSDailyMeanDischargeat08330600-TijerasArroyoNrAlbuquerque,NMex.txt
Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: beisbol@usgs.gov

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: REMARKS. --Records good except for estimated daily discharges, which are fair

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: Tijeras Arroyo Nr Albuquerque, N. Mex.

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929

Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)

Entity_Type_Definition: Daily mean discharge from USGS gaging

station: Tijeras Arroyo Nr Albuquerque, N. Mex.

in cubic feet per second

Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging

station: Tijeras Arroyo Nr Albuquerque, N. Mex.

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: beisbol@usgs.gov

Standard_Order_Process:

Fees: None

Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Page 2

USGSDailyMeanDischargeat08330600-TijerasArroyoNrAlbuquerque,NM.txt

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08329900 - N Floodway Channel Nr

Alameda NM

Description:

Abstract: Mean daily discharge data for N Floodway Channel Nr Alameda, NM
Gaging station operated by the US Geological Survey.

Supplemental Information: RIO GRANDE BASIN

> 08329900 NORTH FLOODWAY
CHANNEL NEAR ALAMEDA, NM
@2 North Floodway Channel near Alameda
@3 NORTH FLOODWAY CHANNEL NEAR ALAMEDA, NM (c, d, m, s) 08329900

Hydrologic Unit 13020203, LOCATION.--Lat 35`11'58", long 106`35'53", Bernalillo County,
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.

> WATER-DISCHARGE
RECORDS

PERIOD OF RECORD.--July 1968 to September 1989 (seasonal records).
October 1989 to current year.

GAGE.--Water-stage recorder with satellite telemetry and
concrete-lined channel. Elevation of gage is 5,015 ft above National
plan and profile map. Geodetic Vertical Datum of 1929, from U.S. Army Corps of Engineers

REMARKS.--Water-discharge records good except for estimated daily
discharges, which are fair. Low flow values of 17 ft³/s or
downstream. Prior to water year 1997, any discharges below 17 ft³/s,
Floodway channel intercepts flow of numerous arroyos in
point 1.6 mi north of Alameda. northeast Albuquerque and discharges into the Rio Grande at a

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 196807

Ending_Date: Present

Currentness_Reference: No winter records for water years 1969 to 1989

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 106.3553

East_Bounding_Coordinate: 106.3553

North_Bounding_Coordinate: 35.1158

South_Bounding_Coordinate: 35.1158

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: USGS

Theme_Keyword: Gaging Station

Theme_Keyword: Daily mean discharge

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: New Mexico

Place_Keyword: Rio Grande

Place_Keyword: N Floodway Channel Nr Alameda NM

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

USGSDailyMeanDischargeat08329900- NFloodwayChannelNrAlamedaNM.txt

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: beisbol@usgs.gov

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: REMARKS. --Water-discharge records good except for estimated daily discharges, which are fair. Low flow values of 17 ft³/s or less are obtained from gaging station (08329914), 500 ft downstream. Prior to water year 1997, any discharges below 17 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.

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: N Floodway Channel Nr Alameda N M

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929

Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)

Entity_Type_Definition: Daily mean discharge from USGS gaging station: N Floodway Channel Nr Alameda N M in cubic feet per second

Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging

station: N Floodway Channel Nr Alameda N M

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: beisbol@usgs.gov

Standard_Order_Process:

Fees: None

Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:

Metadata_Review_Date:

Metadata_Future_Review_Date:

USGSDailyMeanDischargeat08329900- NFloodwayChannelNrAlamedaNM.txt
Metadata_Contact:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: Karen L. MacClune
 Contact_Organization: S. S. Papadopoulos & Associates, Inc.
 Contact_Position: Project Hydrologist
 Contact_Address:
 Address_Type: mailing and physical address
 Address: 1877 Broadway, Suite 703
 City: Boulder
 State_or_Province: CO
 Postal_Code: 80302-5425
 Country: USA
 Contact_Voice_Telephone: (303) 939-8880
 Contact_Facsimile_Telephone: (303) 939-8877
 Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08329000- JemezRiverBelowJemezCanyonDam, Nm.txt
Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08329000 - Jemez River Below

Jemez Canyon Dam, Nm

Description:

Abstract: Mean daily discharge data for Jemez River Below Jemez Canyon

Dam, Nm

Gaging station operated by the US Geological Survey.

Supplemental Information: RIO GRANDE BASIN

>

08329000 JEMEZ RIVER BELOW

JEMEZ CANYON DAM, NM

@2 Jemez River below Jemez Canyon Dam

@3 JEMEZ RIVER BELOW JEMEZ CANYON DAM, NM (d) 08329000

LOCATION. -- Lat 35°23'24", long 106°32'03", in NE1/4 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 mi north of Bernalillo.

DRAINAGE AREA. -- 1,038 mi².

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 National Geodetic Vertical Datum of
1929 (U.S. Army Corps of Engineers bench mark). 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
National Geodetic Vertical Datum of 1929 (U.S. Army Corps of
Engineers bench mark) used at times since January 1953.

REMARKS. -- Records good except for estimated daily discharges, which
are 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. No
flow for many days.

EXTREMES OUTSIDE PERIOD OF RECORD. -- A flood in 1900 was probably less
than 16,000 ft³/s, but highest observed outside period of
record.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 193610

Ending_Date: Present

Currentness_Reference: Period of Record: March 1936 to Jan 1938; March 1943

to Present

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 106.3203

East_Bounding_Coordinate: 106.3203

North_Bounding_Coordinate: 35.2324

South_Bounding_Coordinate: 35.2324

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Page 1

USGSDailyMeanDischargeat08329000- JemezRiverBelowJemezCanyonDam, Nm.txt

Theme_Keyword: USGS
Theme_Keyword: Gaging Station
Theme_Keyword: Daily mean discharge

Place:

Place_Keyword_Thesaurus: None
Place_Keyword: New Mexico
Place_Keyword: Rio Grande
Place_Keyword: Jemez River Below Jemez Canyon Dam, Nm

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: U. S. Geological Survey
Contact_Person: Robert L. Gold
Contact_Position: Public Information Officer
Contact_Voice_Telephone: 505-830-7930
Contact_Facsimile_Telephone: 505-830-7998
Contact_Electronic_Mail_Address: beisbol@usgs.gov

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: REMARKS.--Records good except for estimated daily discharges, which are 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. No flow for many days.

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: Jemez River Below Jemez Canyon Dam, Nm

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929
Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)
Entity_Type_Definition: Daily mean discharge from USGS gaging station: Jemez River Below Jemez Canyon Dam, Nm in cubic feet per second
Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging station: Jemez River Below Jemez Canyon Dam, Nm

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: U. S. Geological Survey
Contact_Person: Robert L. Gold
Contact_Position: Public Information Officer
Contact_Voice_Telephone: 505-830-7930
Contact_Facsimile_Telephone: 505-830-7998
Contact_Electronic_Mail_Address: beisbol@usgs.gov

Standard_Order_Process:

Fees: None

Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U. S. Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U. S. Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water

USGSDailyMeanDischargeat08329000- JemezRiverBelowJemezCanyonDam, Nm.txt
Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08317950-GalisteoCreekBelowGalisteoDam, Nm.txt

Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08317950 - Galisteo Creek Below

Galisteo Dam, Nm

Description:

Abstract: Mean daily discharge data for Galisteo Creek Below Galisteo Dam,

Nm

Gaging station operated by the US Geological Survey.

Supplemental Information: RIO GRANDE BASIN

>

08317950 GALISTEO CREEK

BELOW GALISTEO DAM, NM

@2 Galisteo Creek below Galisteo Dam

@3 GALISTEO CREEK BELOW GALISTEO DAM, NM (d) 08317950

LOCATION. -- Lat 35`27'53", long 106`12'49", in NE1/4NE1/4 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 National Geodetic Vertical Datum of 1929, from topographic map. Prior to Dec. 21, 1981, at site 1,200 ft downstream at different datum.

REMARKS. -- Records fair except for estimated daily discharges, which are poor. Flow regulated by Galisteo Reservoir 0.4 mi upstream. Diversions for irrigation of about 50 acres upstream from station. Several observations of water temperature were made during the year. No flow for many days.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 197003

Ending Date: Present

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: 106.1257

East Bounding Coordinate: 106.1257

North Bounding Coordinate: 35.2756

South Bounding Coordinate: 35.2756

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: USGS

Theme Keyword: Gaging Station

Theme Keyword: Daily mean discharge

Place:

Place Keyword Thesaurus: None

Place Keyword: New Mexico

Place Keyword: Rio Grande

Place Keyword: Galisteo Creek Below Galisteo Dam, Nm

Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: U. S. Geological Survey

Contact Person: Robert L. Gold

Contact Position: Public Information Officer

Contact Voice Telephone: 505-830-7930

Contact Facsimile Telephone: 505-830-7998

Contact Electronic Mail Address: beisbol@usgs.gov

USGSDailyMeanDischargeat08317950-GalisteoCreekBelowGalisteoDam, Nm.txt

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: Galisteo Creek Below Galisteo Dam, Nm

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929

Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)

Entity_Type_Definition: Daily mean discharge from USGS gaging

station: Galisteo Creek Below Galisteo Dam, Nm

in cubic feet per second

Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging

station: Galisteo Creek Below Galisteo Dam, Nm

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: bei.sbol@usgs.gov

Standard_Order_Process:

Fees: None

Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:

Metadata_Review_Date:

Metadata_Future_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08317200- SantaFeRiveraboveCochiti Lake, NM txt

Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08317200 - Santa Fe River above

Cochiti Lake, NM

Description:

Abstract: USGS Daily Mean Discharge at 8317200 - Santa Fe River above

Cochiti Lake, NM

Gaging station operated by the US Geological Survey.

Supplemental Information: RIO GRANDE BASIN

>

08317200 SANTA FE RIVER

ABOVE COCHITI LAKE, NM

@2 Santa Fe River above Cochiti Lake

@3 SANTA FE RIVER ABOVE COCHITI LAKE, NM (c, d, s) 08317200

LOCATION. -- Lat 35`32' 49", long 106`13' 41", 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 (discontinued).

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.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 197004

Ending Date: 199909

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: 106.1341

East Bounding Coordinate: 106.1341

North Bounding Coordinate: 35.3249

South Bounding Coordinate: 35.3249

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: USGS

Theme Keyword: Gaging Station

Theme Keyword: Daily mean discharge

Place:

Place Keyword Thesaurus: None

Place Keyword: New Mexico

Place Keyword: Rio Grande

Place Keyword: USGS Daily Mean Discharge at 8317200 - Santa Fe River

above Cochiti Lake, NM

Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: U. S. Geological Survey

Contact Person: Robert L. Gold

USGSDailyMeanDischargeat08317200- SantaFeRiveraboveCochitiLake, NM txt

Contact_Position: Public Information Officer
Contact_Voice_Telephone: 505-830-7930
Contact_Facsimile_Telephone: 505-830-7998
Contact_Electronic_Mail_Address: beisbol@usgs.gov

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: 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.

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: USGS Daily Mean Discharge at 8317200 - Santa Fe River above Cochiti Lake, NM

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929

Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)

Entity_Type_Definition: Daily mean discharge from USGS gaging station: USGS Daily Mean Discharge at 8317200 - Santa Fe River above Cochiti Lake, NM in cubic feet per second

Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging station: USGS Daily Mean Discharge at 8317200 - Santa Fe River above Cochiti Lake, NM

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: beisbol@usgs.gov

Standard_Order_Process:

Fees: None

Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U. S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper

Ordering_Instructions: National Technical Information Services, U. S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:

Metadata_Review_Date:

Metadata_Future_Review_Date:

USGSDailyMeanDischargeat08317200- SantaFeRiveraboveCochitiLake, NM txt
Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Karen L. MacClune

Contact_Organization: S. S. Papadopoulos & Associates, Inc.

Contact_Position: Project Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 1877 Broadway, Suite 703

City: Boulder

State_or_Province: CO

Postal_Code: 80302-5425

Country: USA

Contact_Voice_Telephone: (303) 939-8880

Contact_Facsimile_Telephone: (303) 939-8877

Contact_Electronic_Mail_Address: karen@sspa.com

USGSDailyMeanDischargeat08354000- RioSaladoNearSanAcacia, Nm.txt

Identification Information:

Citation:

Citation Information:

Title: USGS Daily Mean Discharge at 08354000 - Rio Salado Near San

Acacia, Nm

Description:

Abstract: Mean daily discharge data for Rio Salado Near San Acacia, NM
Gaging station operated by the US Geological Survey.

Supplemental Information: Station Name: Rio Salado Near San Acacia, Nm
Station Number: 08354000

Time_Period_of_Content:

Time_Period Information:

Range_of_Dates/Times:

Beginning Date: 1947

Ending Date: 1984

Currentness Reference: Discontinued

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 106.5359

East_Bounding_Coordinate: 106.5359

North_Bounding_Coordinate: 34.175

South_Bounding_Coordinate: 34.175

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: USGS

Theme_Keyword: Gaging Station

Theme_Keyword: Daily mean discharge

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: New Mexico

Place_Keyword: Rio Grande

Place_Keyword: Rio Salado Near San Acacia, Nm

Point_of_Contact:

Contact Information:

Contact_Organization_Primary:

Contact_Organization: U. S. Geological Survey

Contact_Person: Robert L. Gold

Contact_Position: Public Information Officer

Contact_Voice_Telephone: 505-830-7930

Contact_Facsimile_Telephone: 505-830-7998

Contact_Electronic_Mail_Address: bei.sbol@usgs.gov

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: Rio Salado Near San Acacia, Nm

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: National Geodetic Vertical Datum of 1929

Altitude_Distance_Units: feet

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Daily mean discharge (cubic feet per second)

Entity_Type_Definition: Daily mean discharge from USGS gaging

station: Rio Salado Near San Acacia, Nm

in cubic feet per second

Entity_Type_Definition_Source: United States Geological Survey

Overview_Description:

Entity_and_Attribute_Overview: Daily mean discharge from USGS gaging

station: Rio Salado Near San Acacia, Nm

Distribution_Information:

Distributor:

Contact Information:

Contact_Organization_Primary:

Page 1

USGSDailyMeanDischargeat08354000-RioSaladoNearSanAcacia,Nm.txt

Contact_Organization: U. S. Geological Survey
Contact_Person: Robert L. Gold
Contact_Position: Public Information Officer
Contact_Voice_Telephone: 505-830-7930
Contact_Facsimile_Telephone: 505-830-7998
Contact_Electronic_Mail_Address: beisbol@usgs.gov

Standard_Order_Process:

Fees: None
Ordering_Instructions: Website: www.nm.water.usgs.gov

Standard_Order_Process:

Non-digital_Form: Paper
Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Standard_Order_Process:

Non-digital_Form: Paper
Ordering_Instructions: National Technical Information Services, U.S.

Department of Commerce, Sales Desk, 1-800-553-6847 or 703-605-6000, 8AM to 6PM EST Monday to Friday. Fax 703-605-6900 24 hrs/day, 7 days/week. Request annual data reports: "USGS Water Resources Data - New Mexico Water Year ____"

Available_Time_Period:

Time_Period_Information:
Single_Date/Time:
Calendar_Date:

Metadata_Reference_Information:

Metadata_Date:
Metadata_Review_Date:
Metadata_Future_Review_Date:
Metadata_Contact:

Contact_Information:

Contact_Person_Primary:
Contact_Person: Karen L. MacClune
Contact_Organization: S. S. Papadopoulos & Associates, Inc.
Contact_Position: Project Hydrologist
Contact_Address:
Address_Type: mailing and physical address
Address: 1877 Broadway, Suite 703
City: Boulder
State_or_Province: CO
Postal_Code: 80302-5425
Country: USA
Contact_Voice_Telephone: (303) 939-8880
Contact_Facsimile_Telephone: (303) 939-8877
Contact_Electronic_Mail_Address: karen@sspa.com