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Surface Water Data at Los Alamos National Laboratory 2004 Water Year

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Progress Report
Issued: April 2005

Surface Water Data at Los Alamos National Laboratory 2004 Water Year

D. A. Shaull
D. Ortiz
M. R. Alexander
R. P. Romero

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Abbreviations, Acronyms, and Glossary

Acre-foot (Ac-Ft, acre-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, 325,851 gallons, or 1233.49 cubic meters.

Cfs-day is the volume of water represented by the flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, l.98347 acre-feet, 646,317 gallons, or 2,445 cubic meters.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile [$(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second, 448.8 gallons per minute, or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, the volume of fluid including suspended sediment) that passes a given point within a given period of time.

Drainage area (DA) of a stream at a specified location is that area, measured in a horizontal plane and enclosed by a topographic divide, from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (GH) is the water-surface elevation referred to in some arbitrary gage data. Gage height is often used interchangeably with the more general term “stage,” although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

GPS is an abbreviation for Global Positioning System.

HWM is an abbreviation for high-water mark.

Instantaneous discharge is the discharge at a particular instant of time.

LANL is the acronym for Los Alamos National Laboratory.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

National Geodetic Vertical Datum of 1929 (*NGVD*) is a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada. It was formerly called *Sea Level Datum of 1929,* or "mean sea level," in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific coasts, it does not necessarily represent the local mean sea level at any particular place.

NPDES is the abbreviation for National Pollution Discharge Elimination System.

SR means "State Road."

Stage. See **Gage Height**.

Stage-discharge relation is the relation between the water-surface elevation, termed "gage height," and the volume of water flowing in a channel per unit of time.

Stream flow is the discharge that occurs in a natural channel.

SWSC is an abbreviation for sanitary wastewater systems consolidation.

USGS is the abbreviation for US Geological Survey.

Water year in reports dealing with surface water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1980, is called the "1980 water year."

WDR is an abbreviation for "Water-Data Report" in the "Revised Records" paragraph to refer to annual hydrologic-data reports.

WSP is an abbreviation for "Water-Supply Paper" in references to previously published reports.

Surface Water Data at Los Alamos National Laboratory: 2004 Water Year

by

D. A. Shaull, D. Ortiz, M. R. Alexander, and R. P. Romero

ABSTRACT

The principal investigators collected and computed surface water discharge data from 41 stream-gaging stations that cover most of Los Alamos National Laboratory and one at Bandelier National Monument. Also included are discharge data from three springs—two that flow into Cañon de Valle and one that flows into Water Canyon—and peak flow data from 16 stations.

Introduction

This annual water data report from Los Alamos National Laboratory (LANL) contains flow data from 41 stream-gaging stations that cover most of the Laboratory's property. We focused data collection on the Laboratory's downstream boundary, approximated by New Mexico State Road (SR) 4; the upstream boundary is approximated by New Mexico SR 501. Some of the gaging stations are within Laboratory boundaries and were originally installed to assist groups other than the Water Quality and Hydrology Group (ENV-WQH) that also conduct site-specific earth science research.

Six stations were added this year and publication was suspended for one. Station E090 Rendija Canyon was omitted from this year's publication because of extreme channel changes and lack of hydraulic events to quantify this change. We hope to reinstate it next year.

Water chemistry data from selected storm events occurring at some stations will be published in the 2004 "Los Alamos National Laboratory Environmental Surveillance Report."

Station Identification Numbers

The US Geological Survey (USGS), Water Resources Division, assigns a unique identification number to each stream-gaging station it establishes. All sites numbered since 1950 are part of the downstream order system. The downstream order system increases station numbers in the downstream direction along main streams, and in the case of this report, their respective mouths to the Rio Grande.

This report adheres to the USGS convention of downstream order. Because of the proximity of stations in this network, the first five digits of all station numbers are 08313. We have replaced this number string with the letter E in the station number partly to abbreviate and also to accommodate instrumentation.

Data Collection and Computation

A complete record-gaging station gathers records of stage and discharge measurements from streams or canals. In addition to gathering these stage and discharge measurements, we directly observe factors affecting the stage/discharge relation, consult weather records, and use other information that supplements base data in determining daily flow. Direct readings on a nonrecording gage or from the data logger provide integrated (5-minute) records of stage. We measure discharge with current meters, using methods the USGS adapted as a result of experience accumulated since 1880. Standard textbooks describe these methods, as do *Water-Supply Paper 2175* and the *US Geological Survey Technique of Water Resources Investigations,* Book 3, Chapter A6.

We use stage/discharge relation curves to prepare rating tables that give the discharge for any stage measured at a stream-gaging station. When it is necessary to define discharge extremes outside the range of current meter measurements, we extend the curves using

- logarithmic plotting,
- velocity area studies,
- results of indirect measurements of peak discharge, such as slope area or contracted opening measurements, and computations of flow over dams or weirs, or
- step backwater techniques.

Daily mean discharges are computed by applying daily mean gage height (stage) to the stage discharge curves or tables. If the stage/discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method. In the shifting-control method, correction factors based on individual discharge measurements and notes by personnel taking the measurements are applied to the gage heights before discharges are determined from the curves or tables.

The shifting-control method is also used if the stage/discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control. At some northern stream-gaging stations, the stage/discharge relation is affected by ice in the winter, and it becomes impossible to compute discharge in the usual manner. Discharge for the period of ice effect is computed on the basis of gage height record and occasional winter discharge measurements. Consideration is given to the available information about temperature and precipitation, notes of observations, and comparable discharge records for other stations in the same or nearby basins for comparable periods of time.

For some gaging stations, periods occur when no gage height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, etc. 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 record comparisons made against other stations in the same or nearby basins. Likewise, daily contents may be estimated from operator logs, prior and subsequent records, inflow-outflow studies, and other information.

Accuracy of Records

Two factors determine the accuracy of streamflow records:

- stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements
- accuracy of measurements or stage, accuracy of discharge measurements, and interpretations of records.

Accuracy attributed to records is noted under "Remarks."

- Excellent—95% of daily discharges are within 5% of true value
- Good—95% of daily discharges are within 10% of true value
- Fair—95% of daily discharges are within 15% of true value
- Poor—records do not meet the criteria mentioned

Differences in accuracy may be attributed to different parts of a given record.

The number of significant figures used to report daily mean discharges is based solely on the magnitude of the discharge value:

If—the value (ft^3/s) is	**Then**—it is reported as
less than 1 ft^3/s	nearest hundredth
1–10 ft^3/s	nearest tenth
10–1,000 ft^3/s	whole number
above 1,000 ft^3/s	three significant figures

Data Presentation

The records published in this report are for each gaging station and comprise two parts:

- station manuscript description with photo
- data table for the water year (October 1, 2003, to September 30, 2004)

The station manuscript provides data under various headings: station location, period of record, average discharge, historical extremes, record accuracy, and other points pertinent to station operation and regulation. Each continuous record of discharge includes the following categories of descriptions.

Location. The most accurate and available maps, plus Global Positioning System (GPS) technology, provide location information. The location of the gage with respect to the vicinity's cultural and physical features is given, as well as a name that refers to place. For a few stations, the US Army Corps of Engineers or the Water Resources Council (*River Mileage Measurement*, Bulletin 14, rev. October 1968) provided river mileage. We define left and right banks from the perspective of facing downstream.

Drainage Area. The most accurate and available maps provide drainage area measurements. The accuracy of drainage area measurements varies, depending on the type of map available for this purpose.

Revised Records. Because of new information, published records occasionally are in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year as follows: (M) means that only instantaneous maximum discharge was revised; (m) means that only the instantaneous minimum was revised; and (P) means that only the peak discharge was revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

Period of Record. The period of record is the time during which published records exist for a station or its equivalent station. An equivalent station is one that was in operation when the present station was not in operation and was located so that records from it can reasonably be considered equivalent to records from the present station.

Gage. This section describes the type of gage in current use. The datum of the current gage referred to in the *National Geodetic Vertical Datum of 1929* (NGVD) (see Glossary) and a condensed history of the types, locations, and data of previous gages are given under this heading.

Remarks. The text presents information relative to the accuracy of the records, special methods of computation, conditions that affect natural flow at the station, and other pertinent information.

Average Discharge. The average discharge is the average of the annual mean discharge published after five years of record. Once it is published, it continues as a moving average.

Extremes for Period of Record. Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

Extremes Outside Period of Record. This section contains information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may have been obtained from other agencies, old data files, newspapers, or local citizens.

Extremes for Current Year. Extremes given here are similar to those for the period of record. The time for occurrence of peaks is expressed in 24-h local standard time. For example, 12:30 A.M. is 0030 and 1:30 P.M. is 1330. The minimum for the current water year appears in this section.

Data Table of Daily Mean Values. The daily table of discharge records for stream-gaging stations gives the 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 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 for each month and in acre feet, respectively, in the line headed "Ac-Ft."

Acknowledgments

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Water-Supply Paper 2175 and the *US Geological Survey Technique of Water Resources Investigations*, Book 3, Chapter A6.

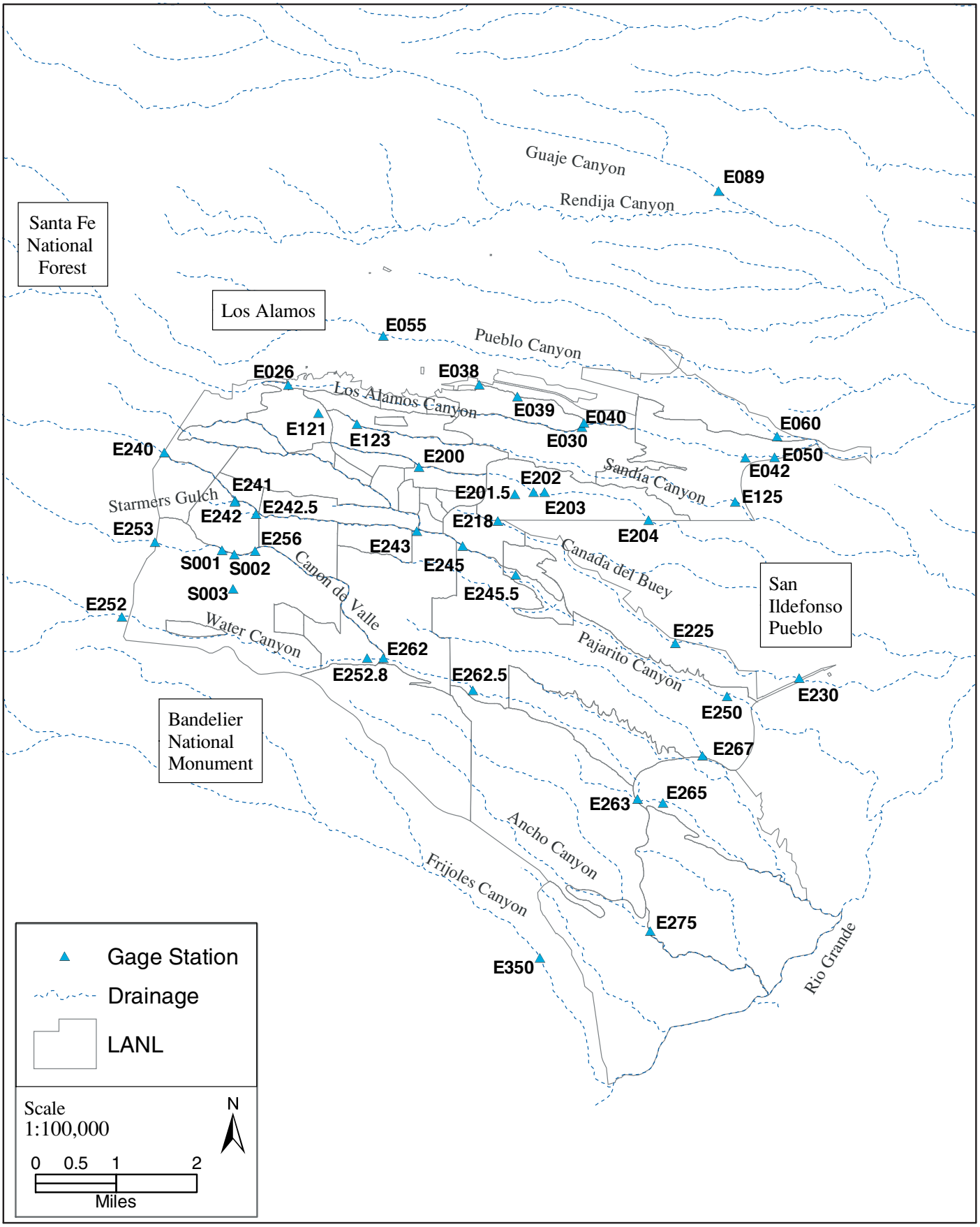
US Army Corps of Engineers, *River Mileage Measurement*, Bulletin 14, rev. October 1968.

National Geodetic Vertical Datum of 1929.

Previous Los Alamos National Laboratory reports in this series—"Surface Water Data at Los Alamos National Laboratory" for water years 1995–2003
1995: LA-13177-PR (August 1996)
1996: LA-13234-PR (November 1996)
1997: LA-13403-PR (January 1996)
1998: LA-13551-PR (February 1999)
1999: LA-13706-PR (April 2000)
2000: LA-13814-PR (July 2001)
2001: LA-13905-PR (April 2002)
2002: LA-14019-PR (March 2003)
2003: LA-14131-PR (March 2004)

Gaging Stations

Gaging Stations at Los Alamos National Laboratory



Summary of Discharges from Stream-Monitoring Stations
at Los Alamos National Laboratory
Water Year 2004
October 1, 2003 to September 30, 2004

Canyon Sites	Days with Flow	Volume in Ac-Ft	Instantaneous Max in ft^3/s
E026 Los Alamos below Ice Rink	85	233	31
E030 Los Alamos above DP Canyon	68	179	14
E038 DP above TA-21	55	134	295
E039 DP below Meadow at TA-21	115	170	200
E040 DP above Los Alamos Canyon	27	22	160
E042 Los Alamos above SR-4*	50	175	55
E050 Los Alamos below LA Weir	53	108	34
E055 Pueblo above Acid	69	231	523
E060 Pueblo above SR-502*	318	687	504
E089 Guaje above Rendija	11	11	69
E121 Sandia Right Fork at Power Plant	366	404	88
E123 Sandia below Wetlands	366	459	35
E125 Sandia above SR-4*	1	0.02	1.1
E200 Mortandad below Effluent Canyon	166	16	23
E2015 Ten Site above Mortandad	1	0.04	0.48
E202 Mortandad above Sediment Traps	1	0.06	0.15
E203 Mortandad below Sediment Traps	0	0	0
E204 Mortandad at LANL Boundary*	0	0	0
E218 Cañada del Buey near TA-46	74	17	19
E225 Cañada del Buey near MDA-G	0	0	0
E230 Cañada del Buey above SR-4*	5	1	6.3
E240 Pajarito below SR-501	11	18	2
E241 Pajarito above Starmers	345	17	4.1
E242 Starmers above Pajarito	366	223	19
E2425 La Delfe above Pajarito	351	38	2.7
E243 Pajarito above Twomile	81	62	9.8
E245 Pajarito above TA-18	60	87	74
E2455 Pajarito above Threemile	61	79	58
E246 Threemile above Pajarito	5	11	173
E250 Pajarito above SR-4*	33	32	3.1
E252 Water above SR-501	337	57	1.5
E2528 S-Site Canyon above Mouth	8	5.1	162
E253 Cañon de Valle above SR-501	7	2.5	0.30
E256 Cañon de Valle below MDA-P	33	2.8	13
E262 Cañon de Valle above Water	4	6.7	63
E2625 Water below MDA-AB	10	10	195
E263 Water at SR-4	15	42	147
E265 Water below SR-4*	20	36	100
E267 Potrillo above SR-4*	0	0	0
E275 Ancho below SR-4*	1	7.9	168
E350 Rio de los Frijoles at Bandelier	366	666	42

*Stations at downstream Laboratory boundary.

E026 Los Alamos below Ice Rink

Location. Lat 35°52'49" long 106°19'30", in 1/4 SE, 1/4 NW sec. 17, T. 19 N, R. 6 E, Los Alamos County, on left bank 0.3 mi upstream from "Rainbow" bridge on Diamond Drive over Los Alamos Canyon and 1.55 mi downstream from Los Alamos Reservoir.

Drainage Area. 7.12 mi^2.

Period of Record. February 26, 2001, to October 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,200 ft above *NGVD*.

Remarks. Water discharge records good, except for estimated daily discharges, which are fair.

Extremes for Period of Record. Maximum discharge 185 ft^3/s, August 9, 2001, gage height 1.52 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 131 ft^3/s at 0555 h, March 11, gage height 0.97 ft. No flow most of time.

E026 Los Alamos below Ice Rink

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	.37	.56	0	0	0	0
2	0	0	0	0	0	0	.57	.45	0	0	0	0
3	.01	0	0	0	0	0	.84	.63*	0	0	0	0
4	0	0	0	0	0	0	1.5	.58*	0	.02	0	.05
5	0	0	0	0	0	0	1.9	.56*	0	0	.06	0
6	0	0	0	0	0	0	2.3	.48*	0	0	0	0
7	0	0	0	0	0	0	2.7	.43*	0	0	0	0
8	0	0	0	0	0	0	2.4	.40*	0	0	.01	0
9	0	0	0	0	0	0	3.1	.35*	0	0	0	0
10	0	0	0	0	0	9.9	3.7	.32*	0	0	0	0
11	0	0	0	0	0	8.1	3.5	.29*	0	.11	0	0
12	0	0	0	0	0	1.8	2.8	.26*	0	0*	0	0
13	0	0	0	0	0	1.6	2.8	.21*	0	0*	0	0
14	0	0	0	0	0	1.6	3.4	.20*	0	0*	0	0
15	0	0	0	0	0	1.5	3.9	.18*	0	0*	0	0
16	0	0	0	0	0	1.4	3.2	.14*	0	0*	0	0
17	0	0	0	0	0	1.3	3.2	.10*	0	0*	.01	0
18	0	0	0	0	0	1.1	3.4	.09*	0	0*	.24	0
19	0	0	0	0	0	1.1	2.8	.01*	0	0*	0	0
20	0	0	0	0	0	.96	2.2	0*	0	0*	0	0
21	0	0	0	0	0	.91	2.1	0*	0	0*	0	0
22	0	0	0	0	0	.91	2.2	0*	0	0*	0	0
23	0	0	0	0	0	.82	2.0	0*	0	0*	0	.01
24	0	0	0	0	0	.88	1.7	0*	0	0*	0	0*
25	2.3	0	0	0	0	1.1	1.4	0	0	0*	0	0*
26	.07	0	0	0	0	1.4	1.2	0	0	0	0	0*
27	.01	0	0	0	0	1.0	.98	0	0	.02	0	0*
28	0	0	0	0	0	.80	.96	0	0	0	0	0*
29	0	0	0	0	0	.78	.84	0	3.5	0	0	0*
30	0	0	0	0	------	.63	.68	0	0	0	0	0*
31	0	------	0	0	------	.43	------	0	------	0	0	------
Total	2.39	0	0	0	0	40.02	64.64	6.24	3.5	0.15	0.32	0.06
Mean	.077	0	0	0	0	1.29	2.15	.20	.12	.005	.010	.002
Max	2.3	0	0	0	0	9.9	3.9	.63	3.5	.11	.24	.05
Min	0	0	0	0	0	0	.37	0	0	0	0	0
Acre-Ft	4.7	0	0	0	0	79	128	12	6.9	.3	.6	.1

Wtr Year	2004	Total	117.32	Mean	.32	Max	9.9	Min	0	Acre-Ft	233
Cal Year	2003	Total	32.06	Mean	.088	Max	10	Min	0	Acre-Ft	64

* Estimated

E030 Los Alamos above DP Canyon

Location. Lat 35°52'21", long 106°15'36", SW 1/4, SE 1/4 sec. 14, T. 19 N, R. 6 E, Los Alamos County, 150 ft upstream from mouth of DP Canyon wash and 2.4 mi upstream from NM SR 4.

Drainage Area. 8.58 mi^2.

Period of Record. July 1994 to September 30, 2004.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,627 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good. Flow partially regulated by Los Alamos Reservoir about 2.5 mi upstream.

Average Discharge. 10 years, 0.24 ft^3/s, 174 acre-ft/yr.

Extremes Outside Period of Record. Flood of July 31, 1968, was 329 ft^3/s from slope area determination. Gage height was established later at 3.71 ft present datum.

Extremes for Period of Record. Maximum discharge 125 ft^3/s, June 22, 2002, gage height 2.88 ft from peak flow computation. No flow most of time.

Extremes for Current Water Year. Maximum discharge 14 ft^3/s on July 24, gage height 1.66 ft. No flow most of time.

E030 Los Alamos above DP Canyon

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	.04	.59	0	0	0	0
2	0	0	0	0	0	0	.62	.55	0	0	0	0
3	.27	0	0	0	0	0	1.6	.50	0	0	0	0
4	.14	0	0	0	0	0	2.4	.47	0	0	0	0
5	0	0	0	0	0	0	1.5	.45	0	0	0	0
6	0	0	0	0	0	0	1.9	.40	0	0	0	0
7	.01	0	0	0	0	0	2.2	.37	0	0	0	0
8	.03	0	0	0	0	0	4.1	.35	0	0	0	0
9	0	0	0	0	0	0	4.3	.33	0	0	0	0
10	0	0	0	0	0	0	4.7	.29	0	0	0	0
11	0	0	0	0	0	0	5.1	.21	0	0	0	0
12	0	0	0	0	0	0	4.5	.19	0	0	0	0
13	0	0	0	0	0	0	4.5	.14	0	0	0	0
14	0	0	0	0	0	0	4.7	.09	0	0	0	0
15	0	0	0	0	0	0	5.0	.04	0	0	0	0
16	0	0	0	0	0	0	4.6	0	0	0	0	0
17	0	0	0	0	0	0	4.3	0	0	0	0	0
18	0	0	0	0	0	0	4.0	0		0	.39	0
19	0	0	0	0	0	0	3.4	0	0	0	0	0
20	0	0	0	0	0	0	2.8	0	0	0	.21	0
21	0	0	0	0	0	0	2.3	0	0	0	0	0
22	0	0	0	0	0	0	2.1	0	0	0	0	0
23	0	0	0	0	0	0	2.0	0	0	.39	0	0
24	0	0	0	0	0	0	1.7	0	0	.82	0	0
25	.80	0	0	0	0	.03	1.3	0	0	.05	0	0
26	.26	0	0	0	0	.20	1.1	0	0	0	0	.01
27	0	0	0	0	0	.24	.90	0	0	.34	0	.17
28	0	0	0	0	0	.15	.76	0	0	0	0	0
29	0	0	0	0	0	.13	.68	0	.32	0	0	0
30	0	0	0	0	------	.09	.62	0	.70	0	0	0
31	0	------	0	0	------	.05	------	0	------	0	0	------
Total	1.51	0	0	0	0	0.89	79.72	4.97	1.02	1.60	0.60	0.18
Mean	.049	0	0	0	0	.029	2.66	.16	.035	.052	.019	.006
Max	.80	0	0	0	0	.24	5.1	.59	.70	.82	.39	.17
Min	0	0	0	0	0	0	.04	0	0	0	0	0
Acre-Ft	3.0	0	0	0	0	1.8	158	9.9	2.0	3.2	1.2	.4

Wtr Year	2004	Total	90.49	Mean	.25	Max	5.1	Min	0	Acre-Ft	179
Cal Year	2003	Total	19.66	Mean	.054	Max	3.0	Min	0	Acre-Ft	39

E038 DP above TA-21

Location. Lat 35°52'49", long 106°16'58", in SE 1/4 SE 1/4 sec. 13, T. 19 N, R. 6 E, Los Alamos County, on left bank 1.3 mi west of SR 502.

Drainage Area. 0.207 mi^2.

Period of Record. April 26, 2000, to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,100 ft above *NGVD*.

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

Extremes for Period of Record. Maximum discharge 295 ft^3/s, July 24, 2004, gage height 4.36 ft; from rating curve extended above 10 ft^3/s on basis of peak flow computations. No flow most of time.

Extremes for Current Water Year. Maximum discharge 295 ft^3/s, July 24 at 1940 h, gage height 4.36 ft. No flow most of time.

E038 DP above TA-21

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	0	0	0	0	.80*	0	0	0	0	0*	0*
2	0	0	0	0	0	.70*	.46	0	0	0	0*	0*
3	.40	0	0	0	0*	.20*	.23	0	0	.01	0*	0*
4	.19	0	0	0	0*	8.5*	.07	0	0	0	0*	0*
5	0	0	0	0	0*	.80*	0	0	0	0	0*	.64*
6	0	0	0	0	0*	.70*	0	0	0	0	.40*	0*
7	.03	0	0	0	0*	.50*	0	0	0	0	0*	0*
8	0	0	0	0	0*	.40*	.51	0	0	0	0*	0*
9	0	0	0	0	0*	.30*	0	0	0	0	0*	0*
10	.01	0	0	0	0*	.20*	0	0	0	0	.05*	0*
11	0	0	0	0	0*	.10*	.02	0	0	0	1.5*	0*
12	0	0	0	0	0*	0*	0	0	0	0	0*	0*
13	0	0	0	0	0*	0*	0	0	0	.03	0*	0*
14	0	0	0	0	0*	0*	0	0	0	0	0*	0*
15	0	0	0	0	0*	0*	0	0	0	0	2.5*	0*
16	0	0	0	0	0*	0*	0	0	0	0	0*	0*
17	0	0	0	0	0*	0	0	0	0	0	0*	0*
18	0	0	0	0	0*	0	0	0	0	2.3	1.5*	0*
19	0	0	0	0	0*	0	0	0	0	.02	0*	1.0*
20	0	0	0	0	0*	.02	0	0	0	0	3.3*	0*
21	0	0	0	0	0*	0	0	0	0	0	0*	0
22	0	0	0	0	0*	0	0	0	0	0	0*	0
23	0	0	0	0	4.3*	0	.03	0	0	2.0	0*	0
24	0	0	0	0	17*	0	0	0	0	4.7	0*	0
25	0	0	0	0	1.0*	0	0	0	.31	.67	0*	2.9
26	0	0	0	0	.50*	0	0	0	0	.35	0*	0
27	0	0	0	0	.30*	0	0	0	0	1.0	0*	2.2
28	0	0	0	0	.10*	0	0	0	0	.40*	0*	0
29	0	0	0	0	1.0*	0	0	0	.06	.30*	0*	0
30	0	0	0	0	------	0	0	0	0	.10*	0*	.06
31	0	------	0	0	------	0	------	0	------	0*	0*	------
Total	0.66	0	0	0	24.20	13.22	1.32	0	0.37	11.88	9.25	6.80
Mean	.021	0	0	0	.83	.43	.044	0	.012	.38	.30	.23
Max	.40	0	0	0	17	8.5	.51	0	.31	4.7	3.3	2.9
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	1.3	0	0	0	48	26	2.6	0	.7	24	18	13

Wtr Year	2004	Total	67.70	Mean	.18	Max	17	Min	0	Acre-Ft	134
Cal Year	2003	Total	11.39	Mean	.031	Max	4.8	Min	0	Acre-Ft	23

* Estimated

E039 DP below Meadow at TA-21

Location. Lat 35°52'41", long 106°16'28", SE 1/4, SE 1/4, in sec. 14, 12.6 E, T. 10 N, in Los Alamos County, on right bank, 0.50 mi to frontage road and 1.0 mi southwest of SR 502.

Drainage Area. 0.315 mi^2.

Period of Record. April 10, 2000, to September 31, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,010 ft above *NGVD* from topographic map.

Remarks. Water discharge records fair, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 200 ft^3/s, July 24, 2004, gage height 2.58 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 200 ft^3/s at 1950 h, July 24, gage height 2.58 ft. No flow most of time.

E039 DP below Meadow at TA-21

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	0	0	0*	0*	.01	0	.51	0	.06	0	0
2	.20	0	0	0*	0*	.01	1.2	.42	0	0	0	0
3	.20	0	0	0*	0*	.05	1.3	.35	0	0	0	0
4	.20	0	0	0*	0*	9.7	1.9	.12*	0	0	0	.32
5	.19	0	0	0*	0*	.14	.14	.30*	0	0	0	0
6	.19	0	0	0*	0*	.07	.34	.40*	0	0	.37	0
7	.18	0	0	0*	0*	.04	.22	.30*	0	0	0	0
8	.17	0	0	0*	0*	.05	2.5	.45*	0	0	0	0
9	.16	0	0	0*	0*	.08	.15	.55*	0	.08	0	0
10	.14	0	0	0*	0*	.01	.30	.65*	0	0	.02	0
11	.13	0	0	0*	0*	.01	2.6	.60*	0	0	.82	0
12	.12	0	0	0*	0*	.01	1.4	.61	0	0	0	0
13	.11	0	0	0*	0*	.01	1.0	.67	0	0	0	0
14	.10	0	0	0*	0*	.01	.97	.72	0	0	0	0
15	.09	0	0*	0*	0*	.01	.98	.73	0	0	.53	0
16	.09	0	0*	0*	0*	0	.99	.61	0	0	0	0
17	.08	0	0*	0*	0*	0	.98	.44	0	0	0	0
18	.07	0	0*	0*	0*	0	.67	.26	0	2.0	.55	0
19	.06	0	0*	0*	0*	0	.54	.05	0	0	0	.60
20	.06	0	0*	0*	0*	0	.59	0	0	0	1.3	0
21	.05	0	0*	0*	0*	0	.66	0	0	0	.15	0
22	.04	0	0	0*	0*	0	1.4	0	0	0	0	0
23	.04	0	0	0*	2.3	0	3.7	0	0	1.8	0	0
24	.03	0	0	0*	13	0	.80*	0	0	4.0	0	0
25	.03	0	0	0*	4.7	0	0*	0	.62	.11	0	.90
26	.02	0	0	0*	.56	0	0*	0	0	0	0	0
27	.02	0	0	0*	.22	0	0*	0	0	1.4	0	.68
28	.02	0	0	0*	.06	0	0*	0	0	0	0	0
29	.01	0	0*	0*	.01	0	0*	0	.92	0	0	0
30	.01	0	0*	0*	------	0	0*	0	.43	0	0	0
31	.01	------	0*	0*	------	0	------	0	------	0	0	------
Total	2.88	0	0	0	20.85	10.21	25.33	8.74	1.97	9.45	3.74	2.50
Mean	.093	0	0	0	.72	.33	.84	.28	.066	.30	.12	.083
Max	.20	0	0	0	13	9.7	3.7	.73	.92	4.0	1.3	.90
Min	.01	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	5.7	0	0	0	41	20	50	17	3.9	19	7.4	5.0

Wtr Year	2004	Total	85.67	Mean	.23	Max	13	Min	0	Acre-Ft	170
Cal Year	2003	Total	14.17	Mean	.039	Max	1.7	Min	0	Acre-Ft	28

* Estimated

E040 DP above Los Alamos Canyon

Location. Lat 35°52'24", long 106°15'34", SW 1/4 sec. 14, T. 19 N, R. 6 E, Los Alamos County, on right bank 150 ft upstream from confluence of DP Canyon and Los Alamos Canyon, and 2.4 mi upstream from NM SR 4.

Drainage Area. 0.57 mi^2.

Period of Record. May 1999 to September 30, 2004.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,625 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are fair.

Average Discharge. 5 years, 0.103 ft^3/s, 14 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 160 ft^3/s, July 24, 2004, gage height 3.85 ft (from floodmark). No flow most of time.

Extremes for Current Water Year. Maximum discharge 160 ft^3/s at unknown h, July 24, gage height 3.85 ft (from floodmark). No flow most of time.

E040 DP above Los Alamos Canyon

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0*	0*	0	0*	0	0
2	0	0	0	0	0	0	0*	0*	0	0*	0	0
3	0	0	0	0	0	0	0*	0*	0	0*	0	0
4	0	0	0	0	0	.11	.40*	0*	0	0*	0	.01
5	0	0	0	0	0	0	.35*	0*	0	0*	0	0
6	0	0	0	0	0	0	.20*	0*	0	0*	0	0
7	0	0	0	0	0	0	.19	0*	0	0*	0	0
8	0	0	0	0	0	0	2.5	0*	0	0*	0	0
9	0	0	0	0	0	0	0*	0*	0	0*	0	0
10	0	0	0	0	0	0	0*	0*	0	0*	0	0
11	0	0	0	0	0	0	1.0*	0*	0	0*	.12	0
12	0	0	0	0	0	0	.50*	0*	0	0	0	0
13	0	0	0	0	0	0*	0*	0	0	0	0	0
14	0	0	0	0	0	0*	0*	0	0	.01	0	0
15	0	0	0	0	0	0*	0*	0	0	.01	.07	0
16	0	0	0	0	0	0*	0*	0	0	.01	0	0
17	0	0	0	0	0	0*	0*	0	0	0	0	0
18	0	0	0	0	0	0*	0*	0	0*	1.1	.09	0
19	0	0	0	0	0	0*	0*	0	0*	.04	0	.04
20	0	0	0	0	0	0*	0*	0	0*	0*	.67	0
21	0	0	0	0	0	0*	0*	0	0*	0*	.01	0
22	0	0	0	0	0	0*	0*	0	0*	0*	0	0
23	0	0	0	0	0	0*	0*	0	0*	.60*	0	0
24	0	0	0	0	0	0*	0*	0	0*	1.5*	0	0
25	0	0	0	0	0	0*	0*	0	0*	0*	0	.21
26	0	0	0	0	0	0*	0*	0	0*	0*	0	0
27	0	0	0	0	0	0*	0*	0	0*	1.0*	0	.15
28	0	0	0	0	0	0*	0*	0	0*	0	0	0
29	0	0	0	0	0	0*	0*	0	.05*	0	0	0
30	0	0	0	0	------	0*	0*	0	.03*	0	0	0
31	0	------	0	0	------	0*	------	0	------	0	0	------
Total	0	0	0	0	0	0.11	5.14	0	0.08	4.27	0.96	0.41
Mean	0	0	0	0	0	.004	.17	0	.003	.14	.031	.014
Max	0	0	0	0	0	.11	2.5	0	.05	1.5	.67	.21
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	.2	10	0	.2	8.5	1.9	.8

Wtr Year	2004	Total	10.97	Mean	.030	Max	2.5	Min	0	Acre-Ft	22
Cal Year	2003	Total	2.78	Mean	.008	Max	1.6	Min	0	Acre-Ft	5.5

* Estimated

E042 Los Alamos above SR 4

Location. Lat 35°52'01", long 106°13'25", in SW 1/4 sec. 20, T. 19 N, R. 7 E, Santa Fe County, on right bank, 0.25 mi upstream from NM SR 4, 2.7 mi northwest of White Rock, NM, 3.9 mi east of Los Alamos, and 13.5 mi southwest of Española.

Drainage Area. 9.08 mi^2.

Period of Record. November 1970 to June 1971, October 1991 to September 30, 2004.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,383 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are fair.

Average Discharge. 10 years, 0.19 ft^3/s, 139 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 171 ft^3/s, August 22, 1997, gage height 2.95 ft. No flow at times.

Extremes for Current Water Year. Maximum discharge 40 ft^3/s at 2145 h, July 24, gage height 2.16 ft. No flow most of time.

E042 Los Alamos above SR 4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.19	0	0	0	0
2	0	0	0	0	0	0	.05	.11	0	0	0	0
3	0	0	0	0	0	0	.81	.06	0	0	0	0
4	0	0	0	0	0	0	1.4	.04	0	0	0	0
5	0	0	0	0	0	0	1.0*	.01	0	0	0	0
6	0	0	0	0	0	0	.90*	0	0	0	0	0
7	0	0	0	0	0	0	1.1*	0	0	0	0	0
8	0	0	0	0	0	0	3.7*	0	0	0	0	0
9	0	0	0	0	0	0	4.0*	0	0	0	0	0
10	0	0	0	0	0	0	4.2*	0	0	0	0	0
11	0	0	0	0	0	0	4.8*	0	0	0	.03	0
12	0	0	0	0	0	0	4.0*	0	0	0	0	0
13	0	0	0	0	0	0	4.2*	0	0	0	0	0
14	0	0	0	0	0	0	4.3*	0	0	0	0	0
15	0	0	0	0	0	0	4.7*	0	0	0	0	0
16	0	0	0	0	0	0	4.3*	0	0	0	0	0
17	0	0	0	0	0	0	4.0*	0	0	0	0	0
18	0	0	0	0	0	0	3.7*	0	0	.24	0	0
19	0	0	0	0	0	0	3.1*	0	0	0	0	0
20	0	0	0	0	0	0	2.4	0	0	0	.48	0
21	0	0	0	0	0	0	2.0	0	0	0	0	0
22	0	0	0	0	0	0	1.6	0	0	0	0	0
23	0	0	0	0	0	0	1.9	0	0	1.1	0	0
24	0	0	0	0	0	0	1.3	0	0	2.7	0	0
25	0	0	0	0	0	0	.76	0	0	.32	0	.05
26	0	0	0	0	0	0	.58	0	0	0	0	.04
27	0	0	0	0	.01	0	.49	0	0	.80	0	.14
28	0	0	0	0	0	0	.36	0	0	.01	0	.06
29	0	0	0	0	0	0	.28	0	.68	.01	0	0
30	0	0	0	0	------	0	.24	0	0	0	0	.04
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0.01	0	66.17	0.41	0.68	5.18	0.51	0.33
Mean	0	0	0	0	0	0	2.21	.013	.023	.18	.016	.011
Max	0	0	0	0	.01	0	4.8	.19	.68	2.7	.48	.14
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	.02	0	131	.8	1.3	10	1.0	.7

Wtr Year	2004	Total	73.29	Mean	.20	Max	4.8	Min	0	Acre-Ft	145
Cal Year	2003	Total	15.88	Mean	.044	Max	5.9	Min	0	Acre-Ft	31

* Estimated

E050 Los Alamos below LA Weir

Location. Lat 35°86'71.6", long 106°21'7.4", Easting 1650066.300, Northing 1770912.00, SE 1/4, NE 1/4, sec. 20, T. 19N, R. 7E, on right bank, 200 ft downstream from LA Weir, beside NM SR 4, 2.7 mi northwest of White Rock, NM.

Drainage Area. 9.2 mi^2 (approximate).

Period of Record. May 2001 to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 6,335 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor. Flows partially regulated by broad-crested weir 200 ft upstream.

Extremes for Period of Record. Maximum discharge 43 ft^3/s August 9, 2001, gage height 1.55 ft. No flow most of time.

Extremes for Current Year. Maximum discharge 34 ft^3/s at 2110 h, July 24, gage height 1.39 ft. No flow most of time.

E050 Los Alamos below LA Weir

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0*	0	0	0	.06	0	0*	0	0
2	0	0	0	0*	0	0	.05*	0	0	0*	0	0
3	.10	0	0	0*	0	0	.40*	0	0	0*	0	0
4	.17	0	0	0*	0	0	.70*	0	0	0*	0	.02
5	0	0	0	0*	0	0	.50*	0	0	0*	0	0
6	0	0	0	0*	0	0	.30*	0	0	0*	0	0
7	0	0	0	0*	0	0	.50*	0	0	0*	0	0
8	0	0	0	0*	0	0	1.5*	0	0	0	0	0
9	0	0	0	0*	0	0	2.0*	0	0	0	0	0
10	.01	0	0	0*	0	0	2.1*	0	0	0	0	0
11	0	0	0	0*	0	0	2.2*	0	0	0	.01	0
12	0	0	0	0*	0	0	2.0*	0	0	0	0	0
13	0	0	0	0*	0	0	3.0*	0	0	0	0	0
14	0	0	0	0*	0	0	3.9	0	0*	0	0	0
15	0	0	0*	0*	0	0	4.3	0	0*	0	.01	0
16	0	0	0*	0*	0	0	3.8	0	0*	0	0	0
17	0	0	0*	0*	0	0	3.5	0	0*	0	0	0
18	0	0	0*	0*	0	0	3.4	0	0*	.18	.33	0
19	0	0	0*	0*	0	0	2.8	0	0*	.03	0	0
20	0	0	0*	0*	0	0	2.3	0	0*	0	.74	0
21	0	0	0*	0*	0	0	1.9	0	0*	0	.01	0
22	0	0	0*	0*	0	0	1.6	0	0*	0	0	0
23	0	0	0*	0*	0	0	1.8	0	0*	.89	0	0
24	0	0	0*	0*	0	0	1.4	0	0*	1.6	0	0
25	0	0	0*	0*	0	0	.89	0	0*	.37	0	.01
26	0	0	0*	0*	0	0	.54	0	0*	0	0	.05
27	0	0	0*	0*	0	0	.34	0	0*	.61	0	.21
28	0	0	0*	0*	0	0	.22	0	0*	.01	0	.03
29	0	0	0*	0	0	0	.13	0	.50*	.09	0	0
30	0	0	0*	0	------	0	.08	0	.05*	0	0	.02
31	0	------	0*	0	------	0	------	0	------	0	0	------
Total	0.28	0	0	0	0	0	48.15	0.06	0.55	3.78	1.10	0.34
Mean	.009	0	0	0	0	0	1.61	.002	.018	.12	.035	.011
Max	.17	0	0	0	0	0	4.3	.06	.50	1.6	.74	.21
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	.6	0	0	0	0	0	96	.1	1.1	7.5	2.2	.7

Wtr Year	2004	Total	54.26	Mean	.15	Max	4.3	Min	0	Acre-Ft	108
Cal Year	2003	Total	12.70	Mean	.035	Max	3.2	Min	0	Acre-Ft	25

* Estimated

E055 Pueblo above Acid

Location. Lat. 35°53'20", long. 106°18'14", on left bank, 100 ft above mouth of Acid Canyon, NE1/4, SW1/4, Sec. 9, T 19 N, R 6 E, Los Alamos County, 0.75 mi. downstream from Diamond Drive in City of Los Alamos, NM, and 1.0 mi. south of Los Alamos County Golf Course.

Drainage Area. 3.42 mi^2

Period of Record. October 1, 2002 to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 6,965 ft. above *NGVD*, from topographic map.

Remarks. Water discharge records fair to poor.

Extremes Outside Period of Record. Maximum discharge 1,600 ft^3/s (from slope-area computation), July 2, 2001, gage height 7.3 ft (from floodmark). No flows most of time.

Extremes for 2003 Water Year. Maximum discharge, 1,180 ft^3/s at 1530 h Aug. 23, gage height 6.64 ft. No flow most of time.

Extremes for Current Year. Maximum discharge 523 ft^3/s, July 24 (time unknown, from floodmark), gage height 4.90 ft. No flow most of time.

E055 Pueblo above Acid

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	.13
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	.02	1.5
4	0	0	0	0	0	0	0	0	0	0	0	.90
5	0	0	0	0	0	0	0	0	0	0	0	.19
6	0	0	0	0	0	0	0	0	0	0	0	13
7	0	0*	0	0	0	0	0	0	0	0	0	0
8	0	0*	0	0	0	0	0	0	0	0	0	0
9	0	0*	0	0	0	0	0	0	0	0	0	0
10	0	0*	0	0	0	0	0	0	0	0	0	.01
11	0	0*	0	0	0	0	0	0	0	0	1.1	0
12	0	0*	0	0	0	0	0	0	0	0	.03	0
13	0	0*	0	0	0	0	0	0	0	0	0	0
14	0	0*	0	0	0	0	0	0	0	0	0	0
15	0	0*	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	.10	0
19	0	0	0	0	0	0	0	0	0	0	.09	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	72	0
24	0	0	0	0	0	0	0	.01	0	0*	2.2	0
25	0	0	0	0	0	0	0	0	0	0*	.13	0
26	0	0	0	0	0	0	0	0	0	0*	2.9	0
27	0	0	0	0	0	0	0	0	0	0*	.08	0
28	0	0	0	0	0	0	0	0	0	0*	0	0
29	0	0	0	0	------	0	0	0	0	0*	0	0
30	0	0	0	0	------	0	0	0	0	0	8.6	0
31	0	------	0	0	------	0	------	0	------	0	.80	------
Total	0	0	0	0	0	0	0	0.01	0	0	88.05	15.73
Mean	0	0	0	0	0	0	0	0	0	0	2.84	.52
Max	0	0	0	0	0	0	0	.01	0	0	72	13
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	.02	0	0	175	31

Wtr Year	2003	Total	103.79	Mean	.28	Max	72	Min	0	Acre-Ft	206
Cal Year	2002	Total	2.57	Mean	.007	Max	1.2	Min	0	Acre-Ft	5.1

* Estimated

E055 Pueblo above Acid

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0*	.39	0*	0	0	0*	0*
2	0	0	0	0	0	0*	.61	0*	0	0	0*	0*
3	0	0	0	0	0	0*	1.0	0*	0	0	0*	0*
4	.02	0	0	0	0	0*	1.0	0*	0	0	0*	0*
5	0	0	0	0	0	0*	.48	0*	0	0	0*	0*
6	0	0	0	0	0	0*	.44	0*	0	0	0*	0*
7	.05	0	0	0	0	0*	.41	0*	0	0	0*	0*
8	.03	0	0	0	0	0*	1.4	0*	0	0	0*	0*
9	0	0	0	0	0	0*	.48	0*	0	0	0*	0*
10	0	0	0	0	0*	.65	.48	0*	0	0	0*	0*
11	0	0	0	0	0*	.52	.52	0	0	0	0*	0*
12	0	0	0	0	0*	.47	.49	0	0	0	0*	0*
13	0	0	0	0	0*	.48	.48	0	0	0*	0*	0*
14	0	0	0	0	0*	.47	.45	0	0	0*	0*	0*
15	0	0	0	0	0*	.46	.43	0	0	0*	0*	0*
16	0	0	0	0	0*	.44	.42	0	0	0*	0*	0*
17	0	0	0	0	0*	.42	.42	0	0	0*	0*	0*
18	0	0	0	0	0*	.41	.40	0	0	0*	0*	0*
19	0	0	0	0	0*	.40	.39	0	0	0*	.16	0*
20	0	0	0	0	0*	.39	.42*	0	0	0*	.24	0*
21	0	0	0	0	0*	.39	.30*	0	0	0*	.22	0*
22	0	0	0	0	0*	.39	.15*	0	0	0*	.12	.12
23	0	0	0	0	0*	.39	0*	0	0	0*	.11	.18
24	0	0	0	0	0*	.39	0*	0	0	53*	.06*	.24
25	0	0	0	0	0*	.39	0*	0	0	18*	0*	.34
26	0	0	0	0	0*	.39	0*	0	0	.64*	0*	.40
27	0	0	0	0	0*	.39	0*	0	0	18*	0*	.82
28	0	0	0	0	0*	.39	0*	0	0	.66*	0*	.48
29	0	0	0	0	0*	.39	0*	0	0	.57*	0*	.47
30	0	0	0	0	------	.39	0*	0	0	.30*	0*	.45
31	0	------	0	0	------	.39	------	0	------	0*	0*	------
Total	0.10	0	0	0	0	9.40	11.56	0	0	91.17	0.91	3.50
Mean	.003	0	0	0	0	.30	.39	0	0	2.94	.029	.12
Max	.05	0	0	0	0	.65	1.4	0	0	53	.24	.82
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	.2	0	0	0	0	19	23	0	0	181	1.8	6.9

Wtr Year	2004	Total	116.64	Mean	.32	Max	53	Min	0	Acre-Ft	231
Cal Year	2003	Total	103.89	Mean	.28	Max	72	Min	0	Acre-Ft	206

* Estimated

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E060 Pueblo above SR 502

Location. Lat 35°52'50", long 106°13'1", in NE 1/4 NE 1/4 sec. 20, T. 19 N, R. 7 E, Santa Fe County, on right bank, 100 yd east of SR maintenance yard, 200 ft north of NM SR 502, and 4.2. mi east of Los Alamos.

Drainage Area. 6.94 mi^2.

Period of Record. January 1992 to September 30, 2004.

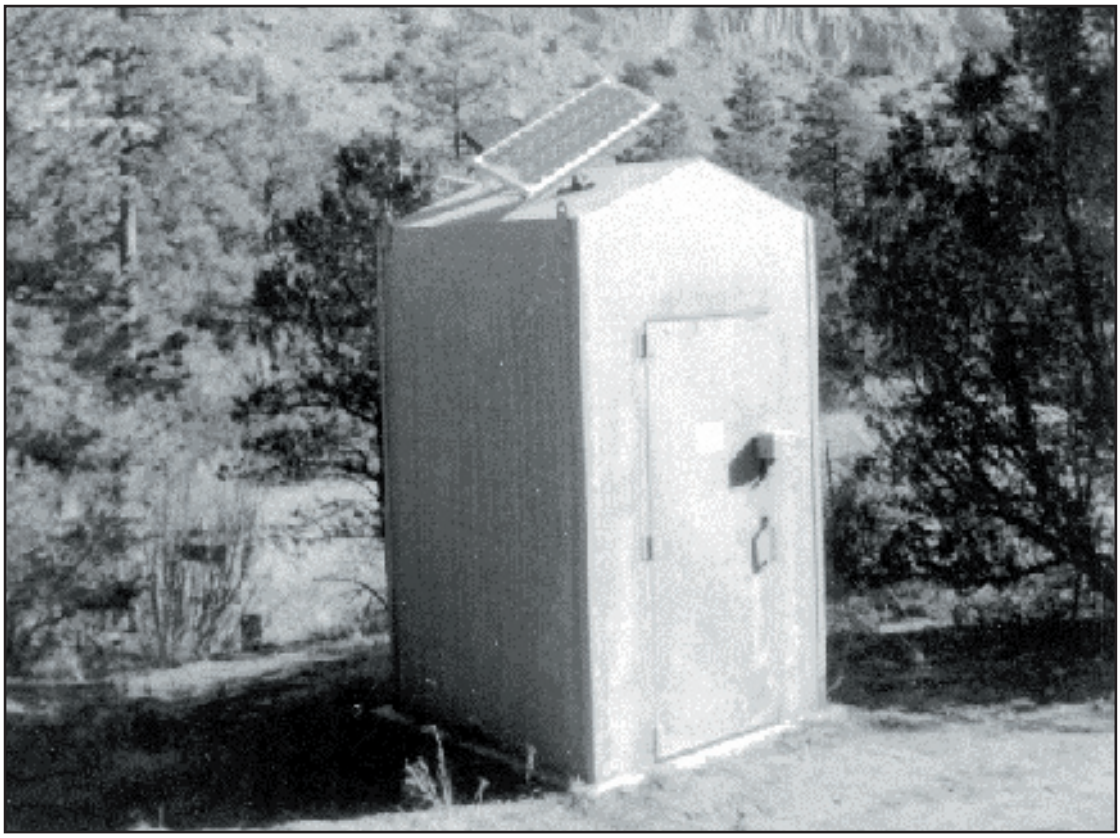
Gage. Data logger with cellular telemetry. Elevation of gage is 6,356 ft above *NGVD*, from GPS survey.

Remarks. Records fair. No diversion above station. Perennial flow is primarily from effluent.

Average Discharge. 10 years, 0.99 ft^3/s, 717 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 1,440 ft^3/s, July 2, 2001, gage height 10.46 ft from floodmarks, from rating curve extended above 130 ft^3/s on basis of slope-area measurement. No flow at times.

Extremes for Current Water Year. Maximum discharge 504 ft^3/s at 2250 h, July 24, gage height 9.11 ft. No flow at times.



E060 Pueblo above SR-502

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.54	.50	.47	.37	1.0	5.1	.44	0	.18	.29	.03
2	.14	.46	.62	.76	.33	1.7	4.5	.60	0	.14	.32	.04
3	.66	.64	.56	.47	.33	1.5	3.8	.21	0	.03	.41	0
4	.83	.56	.83	.47	.39	2.1	3.3	.34	0	.02	.11	.27
5	.80	.60	.70	.87	.36	2.1	2.7	.04	0	.04	.16	.78
6	.82	.53	.49	.55	1.0	1.7	2.3	0	0	0	.90	.80
7	.85	.28	.75	.47	.41	1.9	1.9	0	0	.01	.49	.65
8	.62	.61	.95	.46	.46	1.8	1.5	0	0	0	.42	.16
9	.88	.59	.59	.72	1.1	2.1	1.2	0	0	0	.50	.15
10	.82	.73	.64	.42	.40	2.1	.90	.09	0	0	.44	.20
11	.64	.70	.68	.43	.42	2.0	.68	.07	0	.03	.49	.09
12	.65	.93	.79	.43	.50	1.9	.62	.08	0	.01	.76	1.4
13	.64	1.6	.61	.40	.45	2.2	.57	.02	0	.01	.78	.57
14	.68	.98	.65	.75	.42	2.1	.47	0	0	.01	.73	.01
15	.15	1.1	.86	.41	.41	1.4	.36	.12	0	.04	.83	.02
16	.22	.93	.58	.41	.43	1.5	.26	.02	0	.15	1.0	0
17	.34	.69	.89	.35	.46	3.2	.18	.18	0	0	.19	0
18	.42	.71	.59	.34	.57	1.9	.12	.06	0	.05	1.2	0
19	.40	.96	.58	.36	.65	1.0	.07	0	0	.25	.83	.71
20	.25	.61	.60	.40	.78	.57	.85	.06	0	.15	2.4	2.2
21	.28	.75	.56	.37	.52	1.9	.24	0	0	.19	1.1	5.0
22	.47	.61	.74	.33	.52	1.6	.53	.01	0	.15	.67	8.4
23	.21	.56	.53	.34	.54	1.1	.71	.02	0	1.5	1.1	2.2
24	.38	.61	.54	.36	.56	1.2	.93	.03	0	20	.93	1.5
25	.63	.55	.51	.36	.54	.29	1.0	0	0	25	.63	8.0
26	.74	.59	.50	.62	.58	.24	1.0	0	0	.64	.14	9.3
27	.82	.47	.48	.38	1.3	.04	.07	0	.04	34	.02	4.4
28	.19	.48	.60	.45	.96	1.3	.31	0	.10	3.2	.03	3.6
29	.51	.49	1.2	.36	1.2	1.4	.35	0	.16	.52	.38	.69
30	.09	.57	.95	.95	------	3.0	.90	0	.21	.45	.14	6.4
31	.53	------	.48	.37	------	5.9	------	0	------	.39	.38	------
Total	15.96	20.43	20.55	14.83	16.96	53.74	37.42	2.39	0.51	87.16	18.77	57.57
Mean	.51	.68	.66	.48	.58	1.73	1.25	.077	.017	2.81	.61	1.92
Max	.88	1.6	1.2	.95	1.3	5.9	5.1	.60	.21	34	2.4	9.3
Min	.09	.28	.48	.33	.33	.04	.07	0	0	0	.02	0
Acre-Ft	32	41	41	29	34	107	74	4.7	1.0	173	37	114

Wtr Year	2004	Total	346.29	Mean	.95	Max	34	Min	0	Acre-Ft	687
Cal Year	2003	Total	331.81	Mean	.91	Max	37	Min	0	Acre-Ft	658

E089 Guaje above Rendija

Location. Lat 35°54'41", long 106°13'47", in SW 1/4 SW 1/4 sec. 32, T. 20 N, R. 6 E, Santa Fe County, in Santa Fe National Forest 0.4 mi northwest of Forest Road 57, 0.6 mi downstream to confluence of Guaje Canyon, 4.9 mi to intersection of San Ildefonso and Forest Road 57, and 5.4 mi northwest to intersection of Diamond Drive, San Idelfonso Road, and North Drive.

Drainage Area. 14.6 mi^2.

Period of Record. June 13, 2001, to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 6,370 ft above *NGVD*.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 644 ft^3/s, August 11, 2001, from peak flow computation, gage height 4.23 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 69 ft^3/s at 1245 h, July 24, gage height 1.82 ft. No flow most of time.

E089 Guaje above Rendija

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0*	0	0	0	0	0
2	0	0	0	0	0	0	0*	0	0	0	0	0
3	0	0	0	0	0	0	0*	0	0	0	0	0
4	0	0	0	0	0	0	0*	0	0	0	0	0
5	0	0	0	0	0	0	.60	0	0	0	0	0
6	0	0	0	0	0	0	.60	0	0	0	0	0
7	0	0	0	0	0	0	.60	0	0	0	0	0
8	0	0	0	0	0	0	1.3	0	0	0	0	0
9	0	0	0	0	0	0	.06	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	.22	0	0	0	0	0	.18	0
20	0	0	0	0	.40	0	0	0	0	0	0	0
21	0	0	0	0	.21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	.72	0	0
24	0	0	0	0	0	0*	0	0	0	.61	0	0
25	0	0	0	0	0	0*	0	0	0	0	0	0
26	0	0	0	0	0	0*	0	0	0	0	0	0
27	0	0	0	0	0	0*	0	0	0	0	0	0
28	0	0	0	0	0	0*	0	0	0	0	0	0
29	0	0	0	0	0	0*	0	0	0	0	0	0
30	0	0	0	0	------	0*	0	0	0	0	0	0
31	0	------	0	0	------	0*	------	0	------	0	0	------
Total	0	0	0	0	0.83	0	3.16	0	0	1.33	0.18	0
Mean	0	0	0	0	.029	0	.11	0	0	.043	.006	0
Max	0	0	0	0	.40	0	1.3	0	0	.72	.18	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	1.6	0	6.3	0	0	2.6	.4	0

Wtr Year	2004	Total	5.50	Mean	.015	Max	1.3	Min	0	Acre-Ft	11
Cal Year	2003	Total	24.73	Mean	.068	Max	22	Min	0	Acre-Ft	49

* Estimated

E121 Sandia Right Fork at Power Plant

Location. Lat. 35°52'31", Long. 106°19'7", NW 1/4, SW 1/4, sec. 16, T. 19 N., R. 6 E., Los Alamos County, on left bank 300 ft downstream from power plant, and 0.5 mi north of East Jemez Road.

Drainage Area. 0.05 mi^2

Period of Record. June 6, 2002 to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,292, ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good except for estimated daily discharges, which are poor. Records for this site exist before this published period but are not reliable.

Extremes for Period of Record. Maximum discharge 191 ft^3/s, June 21, 2002 from peak-flow computation, gage height 8.13 ft., minimum daily 0.17 ft^3/s, December 9, 2003.

Extremes for 2002 Water Year (partial). Maximum discharge 191 ft^3/s at 2305 h June 21, gage height 8.31 ft. Minimum daily 0.28 ft^3/s, June 17.

Extremes for 2003 Water Year. Maximum discharge 62 ft^3/s, August 18, gage height 7.10 ft (from floodmark). Minimum daily 0.17 ft^3/s, December 9.

Extremes for Current Year. Maximum discharge 88 ft^3/s at 1940 h July 24, gage height 7.35 ft. Minimum daily 0.19, August 21.

E121 Sandia Right Fork at Power Plant

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										.40*	.83	.49
2										.50*	.55	.41
3										.50*	.46	.35
4										.40*	1.0	.51
5										.50*	1.1	.31
6									.70*	.40*	.95	.48
7									.59	.40*	.79	.30
8									.38	.50*	.46	.65
9									.37	.40*	.48	.58
10									.79	.50*	.38	1.1
11									.51	.50*	.42	.44
12									.57	.50*	.39	.33
13									.45	.30*	.42	.30
14									.37	.90*	.33	.35
15									.32	.50*	.34	.25
16									.39	.40*	.33	.29
17									.28	.35*	.35	.33
18									.50	.30*	.33	.34
19									.45	.30*	.35	.34
20									.45	.30*	.40	.25
21									5.4	.30*	.39	.26
22									3.5	.94	.38	.37
23									.50*	2.0	.45	.27
24									.60*	1.0	.68	.40
25									.50*	1.2	.95	.37
26									.40*	.74	.95	.44
27									.40*	.71	.49	.40
28									.50*	.62	.57	.35
29					------				.40*	.61	.53	.28
30					------				.40*	.53	.42	.19
31		------			------		------		------	.75	.38	------
Total									19.72	18.25	16.85	11.73
Mean									.79	.59	.54	.39
Max									5.4	2.0	1.1	1.1
Min									.28	.30	.33	.19
Acre-Ft									39	36	33	23

Wtr Year	2002	Total	66.55	Mean	.57	Max	5.4	Min	.19	Acre-Ft	132
Cal Year	2001	Total		Mean		Max		Min		Acre-Ft	

* Estimated

E121 Sandia Right Fork at Power Plant

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	.37	.20	.50	1.6	.98	1.2	.67	.76	.92	1.0*	.57
2	.30	.31	.21	.52	1.4	1.1	1.1	.79	.56	.72	.88*	.44
3	.32	.25	.26	.45	1.5	1.1	1.4	.58	1.0	.80	1.2*	.91
4	.28	.41	.26	.49	1.2	.78	1.1	.90	.70	.76	.80*	.38
5	.44	.25	.23	.51	1.3	1.1	1.2	.52	1.2	.71	1.1*	.69
6	.35	.29	.19	.65	1.4	1.4	1.1	.77	.63	.72	1.2*	1.3
7	.26	.28	.24	.84	1.6	1.4	1.1	.69	1.0	.87	2.1*	.71
8	.30	.26	.23	.84	1.4	1.2	1.2	.73	.90	1.0*	1.1*	.47
9	.30	.44	.17	1.0	1.3	1.1	1.2	.60	1.0	.87*	.90*	.89
10	.32	.30	.24	1.2	.81	.97	1.1	.77	.85	1.0*	1.1*	.83
11	.25	.30	.22	1.1	1.3	1.1	.77	.57	.90	1.3*	2.3*	.83
12	.32	.24	.29	.94	1.4	1.2	.93	.70	.99	.46*	1.1*	.59
13	.31	.23	.28	.96	.79	1.1	1.4	.64	.86	.88*	1.0*	.57
14	.27	.21	.22	.99	.62	1.2	.93	.58	.90	.89*	1.2*	.48
15	.31	.24	.28	.93	1.1	1.1	.79	.79	.88	.97*	.86*	.59
16	.25	.20	.29	.79	.66	1.1	1.1	.62	.77	.87*	.75*	.69
17	.39	.27	.28	1.2	1.1	1.2	.93	.65	1.1	1.0*	1.4*	.52
18	.39	.24	.52	.91	1.1	1.3	1.0	.69	.86	.77*	1.8*	.81
19	.33	.30	.62	1.1	.86	1.1	1.1	.34	1.0	.80*	1.4*	.74
20	.29	.26	.88	.83	1.1	1.2	.60	.74	.69	1.2*	1.2*	.38
21	.42	.23	.91	.99	1.1	1.2	.99	.69	.98	.95*	.90*	.60
22	.47	.23	.83	1.1	1.0	1.2	.75	.69	.54	.88*	1.0*	.51
23	.68	.22	1.1	1.0	.94	1.2	1.1	.47	1.0	1.0*	4.6*	.92
24	1.3	.23	.59	.88	.92	1.1	.61	1.2	.63	.90*	.80*	.56
25	1.3	.21	.46	1.2	.94	1.3	.94	.53	1.1	1.0*	.62	.66
26	1.3	.25	.46	1.2	1.1	1.4	.56	.59	.76	1.3*	.57	.66
27	.38	.22	.52	1.3	1.2	1.4	.80	.65	.99	.90*	.60	.57
28	.29	.19	.49	.93	.78	1.0	.49	.44	.85	1.0*	.71	.64
29	.28	.20	.52	1.0	------	.88	.94	.55	.74	.88*	.62	.39
30	.26	.21	.55	1.6	------	1.3	.80	.50	.72	1.1*	.52	.72
31	.29	------	.56	1.6	------	.95	------	.61	------	.90*	.44	------
Total	13.30	7.84	13.10	29.55	31.52	35.66	29.23	20.26	25.86	28.32	35.77	19.62
Mean	.43	.26	.42	.95	1.13	1.15	.97	.65	.86	.91	1.15	.65
Max	1.3	.44	1.1	1.6	1.6	1.4	1.4	1.2	1.2	1.3	4.6	1.3
Min	.25	.19	.17	.45	.62	.78	.49	.34	.54	.46	.44	.38
Acre-Ft	26	16	26	59	63	71	58	40	51	56	71	39

Wtr Year	2003	Total	290.03	Mean	.79	Max	4.6	Min	.17	Acre-Ft	575
Cal Year	2002	Total	100.79	Mean	.48	Max	5.4	Min	.17	Acre-Ft	200

* Estimated

E121 Sandia Right Fork at Power Plant

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.64	.82	.51	.36	.65	.60	.67	.68	.52	.55	.31	.26
2	.55	.42	.68	.44	.42	.63	1.1	.62	.58	.63	.23	.31
3	1.1	.71	.68	.36	.62	.71	1.2	.63	.62	.49	.30	.31
4	.81	.38	.44	.50	.53	.78	1.1	.67	.59	.47	.26	.22
5	.79	.41	.58	.35	.73	.68	1.0	.57	.57	.51	.24	.22
6	.44	.56	.43	.42	.78	.74	.79	.63	.70	.55	.23	.23
7	1.2	.45	.65	.40	.59	.53	.61	.59	.60	.52	.23	.31
8	.50*	.37	.57	.49	.50	.71	1.4	.61	.55	.57	.28	.26
9	.48*	.44	.51	.58	.48	.97	.87	.57	.69	.56	.25	.24
10	.28*	.53	.61	.76	.47	1.1	.58	.58	.68	.72	.33	.22
11	.88*	.38	.60	.60	.43	.72	1.1	.66	.61	.44	.36	.21
12	.50*	.57	.63	.45	.52	.92	.87	.51	.58	.51*	.35	.21
13	.40*	.74	.50	.48	.72	.48	.66	.60	.64	.63*	.37	.35
14	.50*	.73	.51	.56	.38	.85	.85	.59	.50	.68	.29	.30
15	.70*	.71	.46	.51	.50	.94	.64	.58	.70	.47	.37	.29
16	.49	.36	.73	.63	.61	.52	.73	.59	.67	.75	.23	.24
17	.60	.66	.50	.69	.66	.87	.52	.50	.73	.54	.37	.23
18	.42	.49	.42	.43	.61	.62	.65	.74	.68	.98	1.1	.24
19	.49	.31	.32	.68	.48	.65	.74	.68	.56	.73	.23	.47
20	.51	.59	.41	.61	.56	.69	.69	.54	.73	.54	.32	.32
21	.53	1.0	.47	.55	.42	.63	.60	.69	.70	.71	.35	.26
22	.66	.36	.51	.63	.60	.70	.61	.52	.70	.47	.22	.29
23	.55	.50	.62	.30	.50	.78	1.0	.48	.61	1.3	.34	.22
24	.53	.64	.37	.66	.90	.62	.73	.67	.65	1.5	.24	.27
25	.48	.40	.38	.46	.76	.87	.58	.56	.62	.44	.20	.35
26	.53	.57	.30	.67	.47	.72	.57	.63	.71	.26	.19	.22
27	.56	.45	.57	.40	.86	.70	.74	.61	.55	.86	.31	.66
28	.45	.42	.36	.47	.74	.80	.69	.56	.59	.26	.26	.47
29	.55	.42	.51	.52	.75	.62	.70	.48	1.0	.30	.26	.22
30	.44	.37	.58	.53	------	.90	.62	.54	.68	.28	.26	.32
31	.60	------	.40	.60	------	.69	------	.50	------	.22	.27	------
Total	18.16	15.76	15.81	16.09	17.24	22.74	23.61	18.38	19.31	18.44	9.55	8.72
Mean	.59	.53	.51	.52	.59	.73	.79	.59	.64	.59	.31	.29
Max	1.2	1.0	.73	.76	.90	1.1	1.4	.74	1.0	1.5	1.1	.66
Min	.28	.31	.30	.30	.38	.48	.52	.48	.50	.22	.19	.21
Acre-Ft	36	31	31	32	34	45	47	36	38	37	19	17

Wtr Year	2004	Total	203.81	Mean	.56	Max	1.5	Min	.19	Acre-Ft	404
Cal Year	2003	Total	305.52	Mean	.84	Max	4.6	Min	.28	Acre-Ft	606

* Estimated

E123 Sandia below Wetlands

Location. Lat 35°52'23.0", long 106°18'35.3", SW 1/4 SE 1/4 sec. 14, T. 19 N, R. 6 E, 0.15 mi behind Los Alamos County Landfill off Jemez Road, and 0.80 mi downstream from Diamond Drive.

Drainage Area. 0.45 mi^2.

Period of Record. August 1, 1999, to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,204 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good.

Extremes for Period of Record. Maximum discharge 88 ft^3/s, August 23, 2003, gage height 4.23 ft; minimum daily 0.08 ft^3/s, June 22, 2003.

Extremes for Current Water Year. Maximum discharge 35 ft^3/s at 2015 h, July 24, gage height 3.05 ft; minimum daily 0.12 ft^3/s, December 26.

E123 Sandia below Wetlands

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.65	.76	.26	.19	.60	.50	.49	.40	.29	.34	.97	.77
2	.53	.34	.44	.24	.43	.66	2.4	.30	.36	.56	.57	.92
3	2.0	.78	.54	.18	.83	.94	2.9	.30	.39	.22	.93	.93
4	1.1	.26	.23	.27	.58	1.7	2.4	.37	.36	.22	.75	.85
5	.57	.47	.40	.22	.94	.68	.63	.26	.35	.27	.66	.58
6	.33	1.6	.23	.21	.95	.87	.87	.35	.60	.36	.72	.63
7	1.8	.37	.29	.35	.71	.39	.29	.31	.36	.38	.67	.94
8	.59	.24	.30	.38	.51	.82	3.5	.33	.29	.47	.93	.74
9	.46	.37	.22	.24	1.0	1.3	.64	.29	.50	.51	.72	.70
10	.27	.39	.35	.49	.44	1.1	.23	.29	.43	.88	.96	.58
11	.75	.22	.29	.61	.54	.67	2.3	.41	.37	.36	1.2	.56
12	.40	.53	.36	.31	.67	1.1	.82	.18	.35	.71	.90	.49
13	.29	.89	.37	.38	.95	.32	.32	.33	.46	.82	1.3	1.1
14	.55	1.0	.36	.61	.36	.69	.47	.33	.24	.84	.75	.88
15	.63	.62	.22	.43	.61	1.1	.26	.35	.51	.50	1.0	.79
16	.54	.21	.43	.60	.88	.32	.44	.36	.43	1.1	.50	.58
17	.61	.56	.31	.67	.67	.74	.16	.21	.55	.59	.99	.63
18	.43	.32	.25	.31	.71	.53	.27	.51	.49	1.8	2.2	.60
19	.54	.15	.19	.81	.44	.52	.39	.43	.35	1.1	.71	2.3
20	.44	.40	.26	.64	.54	.56	.39	.26	.57	.68	1.4	.97
21	.40	.94	.28	.58	.31	.44	.21	.51	.51	1.1	1.2	.68
22	.57	.13	.32	.69	.58	.54	.28	.29	.53	.56	.63	.81
23	.45	.30	.42	.49	.39	.59	.78	.19	.40	1.8	1.1	.62
24	.37	.74	.19	.81	1.2	.41	.31	.47	.41	2.8	.62	.78
25	.44	.20	.26	.35	1.1	.72	.23	.33	.62	1.7	.51	1.6
26	.49	.34	.12	.79	.40	.58	.23	.47	.75	.78	.47	.63
27	.54	.22	.29	.49	.99	.50	.40	.42	.37	3.1	.87	2.4
28	.41	.25	.27	1.2	.67	.62	.41	.34	.45	.85	.73	1.5
29	.41	.61	1.1	1.0	.62	.42	.39	.21	1.9	.99	.74	.48
30	.34	.22	.54	.88	------	.80	.26	.31	.69	.91	.78	.88
31	.46	------	.30	.65	------	.56	------	.26	------	.65	.82	------
Total	18.36	14.43	10.39	16.07	19.62	21.69	23.67	10.37	14.88	27.95	27.30	26.92
Mean	.59	.48	.34	.52	.68	.70	.79	.33	.50	.90	.88	.90
Max	2.0	1.6	1.1	1.2	1.2	1.7	3.5	.51	1.9	3.1	2.2	2.4
Min	.27	.13	.12	.18	.31	.32	.16	.18	.24	.22	.47	.48
Acre-Ft	36	29	21	32	39	43	47	21	30	55	54	53

Wtr Year	2004	Total	231.65	Mean	.63	Max	3.5	Min	.12	Acre-Ft	459
Cal Year	2003	Total	235.23	Mean	.64	Max	4.0	Min	.08	Acre-Ft	467

* Estimated

E125 Sandia above SR 4

Location. Lat 35°51'32", long 106°13'34", SE 1/4 SW 1/4 sec. 20, T. 19 N, R.7 E, Santa Fe County, on right bank 0.25 mi north of East Jemez Road and 0.5 mi upstream from NM SR 4.

Drainage Area. 2.52 mi^2.

Period of Record. October 1, 1994, to September 30, 2004.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,498 ft. above *NGVD*, from GPS survey.

Remarks. Water discharge records fair.

Average Discharge. 10 years, 0.001 ft^3/s, 0.72 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 18 ft^3/s, August 28, 2002, gage height 2.01 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 1.1 ft^3/s at 1445 h, July 29, gage height 1.20 ft. No flow most of time.

E125 Sandia above SR 4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0*	0	0	0	0	0	0	0	0	0	0
2	0	0*	0	0	0	0	0	0	0	0	0	0
3	0	0*	0	0	0	0	0	0	0	0	0	0
4	0	0*	0	0	0	0	0	0	0	0	0	0
5	0	0*	0	0	0	0	0	0	0	0	0	0
6	0	0*	0	0	0	0	0	0	0	0	0	0
7	0	0*	0	0	0	0	0	0	0	0	0	0
8	0*	0*	0	0	0	0	0	0	0	0	0	0
9	0*	0*	0	0	0	0	0	0	0	0	0	0
10	0*	0*	0	0	0	0	0	0	0	0	0	0
11	0*	0*	0	0	0	0	0	0	0	0	0	0
12	0*	0*	0	0	0	0	0	0	0	0	0	0
13	0*	0*	0	0	0	0	0	0	0	0	0	0
14	0*	0*	0	0	0	0	0	0	0	0	0	0
15	0*	0*	0	0	0	0	0	0	0	0	0	0
16	0*	0*	0	0	0	0	0	0	0	0	0	0
17	0*	0*	0	0	0	0	0	0	0	0	0	0
18	0*	0	0	0	0	0	0	0	0	0	0	0
19	0*	0	0	0	0	0	0	0	0	0	0	0
20	0*	0	0	0	0	0	0	0	0	0	0	0
21	0*	0	0	0	0	0	0	0	0	0	0	0
22	0*	0	0	0	0	0	0	0	0	0	0	0
23	0*	0	0	0	0	0	0	0	0	0	0	0
24	0*	0	0	0	0	0	0	0	0	0	0	0
25	0*	0	0	0	0	0	0	0	0	0	0	0
26	0*	0	0	0	0	0	0	0	0	0	0	0
27	0*	0	0	0	0	0	0	0	0	0	0	0
28	0*	0	0	0	0	0	0	0	0	0	0	0
29	0*	0	0	0	0	0	0	0	0	.01	0	0
30	0*	0	0	0	------	0	0	0	0	0	0	0
31	0*	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0.01	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	.01	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	.02	0	0

Wtr Year	2004	Total	0.01	Mean	0	Max	.01	Min	0	Acre-Ft	.02
Cal Year	2003	Total	0.17	Mean	0	Max	.10	Min	0	Acre-Ft	.3

* Estimated

E200 Mortandad below Effluent Canyon

Location. Lat 35°51'55", long 106°17'46", SW 1/4 NE 1/2 sec. 22, T. 19 N, R. 6 E, Los Alamos County, 0.25 mi north of LANL TA-50, 0.25 mi below TA-50 outfall, and 0.6 mi north of Pajarito Road.

Drainage Area. 0.49 mi^2.

Period of Record. May 10, 1995, to September 30, 2004.

Gage. Data logger with cellular telemetry and steel "fabricated" nonstandard flume as low-water control. Elevation of gage is 7,062.50 ft above *NGVD*, from survey.

Remarks. Water discharge records fair, except for estimated daily discharges, which are poor. Flow is mostly effluent from LANL TA-50, liquid radiological waste plant.

Average Discharge. 10 years, 0.04 ft^3/s, 32 acre-ft/yr.

Extremes outside Period of Record. Flow of 34 ft^3/s occurred August 19, 1970, gage height 3.07 ft, from old data files of USGS.

Extremes for Period of Record. Maximum discharge 49 ft^3/s, June 27, 2001, gage height 3.26 ft. No flow at times.

Extremes for Current Water Year. Maximum discharge 23 ft^3/s at 2030 h, July 24, gage height 2.70 ft. No flow at times.

E200 Mortandad below Effluent Canyon

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0*	.03*	0*	0*	0*	.03	0	.01	.01	0	0
2	0	0*	.03*	0*	.03*	0*	.03	0	.01	0	.05	0
3	.20	.03*	0*	0*	0*	.03*	.03	0	.01	0	.06	0
4	.11	.03*	.03*	0*	.03*	0*	.19	.03	.01	0	.08	.14
5	0	.03*	0*	0*	0*	.03*	.03	0	0	0	.01	.03
6	0	.03*	0*	.03*	0*	0*	0	.03	0	0	.01	0
7	.07	0*	0*	.03*	0*	0*	.03	0	0	0	.01	.02
8	.02	0*	0*	0*	0*	.03*	.38	0	0	0	.01	0
9	0	0*	.03*	.03*	.03*	.03*	.03	0	.01	.01	.04	0
10	0	.03*	0*	0*	0*	0*	0	.03	0	0	.04	.02
11	0	0*	0*	0*	0*	.03*	.23	.03	.03	0	.06	0
12	0	0*	.03*	.03*	0*	0*	.10	.03	0	0	.02	0
13	0	.03*	0*	.03*	0*	0*	.03	.03	0	0	.04	0
14	0	0*	0*	0*	0*	0	.01	.03	0	0	0	.02
15	.03	0*	0*	.03*	0*	.03	0	0	.03	.01	.01	0
16	0	.03*	0*	0*	0*	.03	.03	.01	.03	0	.03	0
17	0	.03*	.03*	0*	.03*	0	0	.01	.03	0	0	.02
18	0	.03*	0*	0*	0*	0	0	.03	0	.03	.48	.03
19	0	0*	.03*	0*	.03*	0	.03	.03	0	0	.08	.16
20	.03	.03*	0*	.03*	0*	0	0	.01	0	0	.23	.02
21	.03	0*	0*	0*	0*	0	.03	.03	0	0	.06	.02
22	0	0*	0*	0*	0*	.03	0	.01	0	0	.03	.03
23	.03	0*	0*	.03*	.03*	.03	.03	.01	0	.03	.02	.01
24	.03	0*	0*	0*	0*	0	0	.03	.02	.43	.02	.01
25	.02	0*	0*	0*	0*	0	0	.01	.03	.10	.06	.12
26	.02	0*	0*	.03*	0*	0	.03	.01	0	.01	.01	.02
27	.05	0*	0*	0*	0*	0	.03	.03	0	.40*	0	.38
28	.05	0*	0*	0*	0*	0	0	.01	0	0*	0	.04
29	.01*	0*	0*	0*	0*	.03	.03	.01	.01	.01	0	.02
30	0*	0*	0*	0*	------	.03	0	.01	.01	.06	.01	.05
31	.09*	------	0*	0*	------	0	------	.01	------	0	0	------
Total	0.79	0.30	0.21	0.27	0.18	0.33	1.33	0.47	0.24	1.10	1.47	1.16
Mean	.025	.010	.007	.009	.006	.011	.044	.015	.008	.035	.047	.039
Max	.20	.03	.03	.03	.03	.03	.38	.03	.03	.43	.48	.38
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	1.6	.6	.4	.5	.4	.7	2.6	.9	.5	2.2	2.9	2.3

Wtr Year	2004	Total	7.85	Mean	.021	Max	.48	Min	0	Acre-Ft	16
Cal Year	2003	Total	11.39	Mean	.031	Max	1.2	Min	0	Acre-Ft	23

* Estimated

E2015 Ten Site above Mortandad

Location. Lat. 35°51'38", Long. 106°16'30", NW ¼, SE ¼, sec .23, T 19 N., R. 6 E., Los Alamos County, on left bank 0.25 mi upstream from E202, and 2.8 mi upstream from SR 4.

Drainage Area. 0.31 mi^2.

Period of Record. October 2000 to September 30, 2004.

Gage. Data logger with cellular telemetry and 90° deg sharp crested weir. Elevation of gage is 6,861 ft above *NGVD* from GPS survey.

Remarks. Water discharge records good except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 52 ft^3/s June 16, 2000, gage height 3.96 ft. No flow most of time.

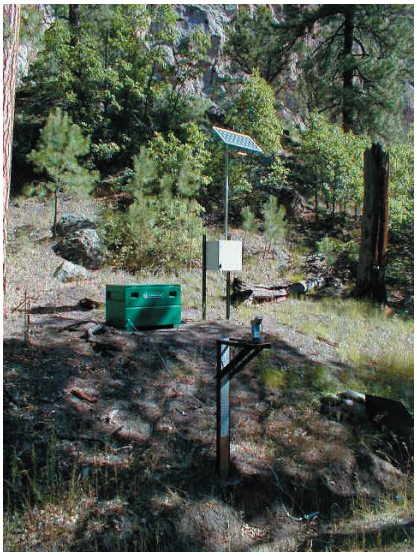
Extremes for 2000 Water Year. Maximum discharge 52 ft^3/s June 16, gage height 3.96 ft. No flow most of time.

Extremes for 2001 Water Year. Maximum discharge 0.19 ft^3/s June 11, gage height 1.84 ft. No flow most of time.

Extremes for 2002 Water Year. Maximum discharge 0.18 ft^3/s June 21, gage height 1.83 ft. No flow most of time.

Extremes for 2003 Water Year. Maximum discharge 2.2 ft^3/s July 1, gage height 2.44 ft. No flow most of time.

Extremes for Current Year. Maximum discharge 0.48 ft^3/s, April 11, gage height 2.00 ft. No flow most of time.



E2015 Ten Site above Mortandad

Daily Mean Discharge in Cubic Feet per Second

Water Year October 1999 to September 2000

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0*	0	0	0	0	0*	0	0	0	0*	0
2	0*	0*	0	0	0	0*	0*	0	0	0	0*	0
3	0*	0*	0	0	0	0*	0*	0	0	0	0*	0
4	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
5	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
6	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
7	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
8	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
9	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
10	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
11	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
12	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
13	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
14	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
15	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
16	0*	0*	0	0*	0	0*	0	0	0	0	0*	0
17	0*	0	0	0*	0	0*	0	0	0	0	0*	0
18	0*	0	0	0*	0	0*	0	0	0	0	0*	0
19	0*	0	0	0*	0	0*	0	0	0	0	0*	0
20	0*	0	0	0*	0	0*	0	0	0	0	0*	0
21	0*	0	0	0*	0	0*	0	0	0	0	0*	0
22	0*	0	0	0*	0	0*	0	0	0	0	0*	0
23	0*	0	0	0*	0	0*	0	0	1.1	0	0*	0
24	0*	0	0	0*	0	0*	0	0	.57	0	0*	0
25	0*	0	0	0*	0	0*	0	0	0	0	0*	0
26	0*	0	0	0*	0	0*	0	0	0	0	0*	0
27	0*	0	0	0*	0	0*	0	0	0	0	0*	0
28	0*	0	0	0*	0	0*	0	0	0	0	0*	0
29	0*	0	0	0*	0	0*	0	0	0	0	0*	0
30	0*	0	0	0*	------	0*	0	0	0	0	0	0
31	0*	------	0	0	------	0*	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	1.67	0	0	0
Mean	0	0	0	0	0	0	0	0	.056	0	0	0
Max	0	0	0	0	0	0	0	0	1.1	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	3.3	0	0	0

Wtr Year	2000	Total	1.67	Mean	.005	Max	1.1	Min	0	Acre-Ft	3.3
Cal Year	1999	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0

* Estimated

E2015 Ten Site above Mortandad

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2000 to September 2001

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0*	0	0	0	0	0	0	0*
2	0	0	0	0	0*	0	0	0	0	0	0	0*
3	0	0	0	0	0*	0	0	0	0	0	0	0*
4	0	0	0	0	0*	0	0	0	0	0	0	0*
5	0	0	0	0	0*	0	0	0	0	0	0	0*
6	0	0	0	0	0*	0	0	0	0	0	0	0*
7	0	0	0	0	0*	0	0	0	0	0	0	0*
8	0	0	0	0	0*	0	0	0	0	0	0	0*
9	0	0	0	0	0*	0	0	0	0	0	0	0*
10	0	0	0	0	0*	0*	0	0	0	0	0	0*
11	0	0	0	0	0*	0*	0	0	0	0	0	0*
12	0	0	0	0	0*	0*	0	0	0	0	0	0*
13	0	0	0	0	0*	0*	0	0	0	0	0	0*
14	0	0	0	0	0*	0*	0	0	0	0	0	0*
15	0	0	0	0	0*	0	0	0	0	0	0	0*
16	0	0	0	0	0*	0	0	0	0	0	0	0*
17	0	0	0	0	0*	0	0	0	0	0	0	0*
18	0	0	0	0	0*	0	0	0	0	0	0	0*
19	0	0	0	0	0*	0	0	0	0	0	0	0*
20	0	0	0	0	0*	0	0	0	0	0	0	0*
21	0	0	0	0	0*	0	0	0	0	0	0	0*
22	0	0	0	0	0*	0	0	0	0	0	0	0*
23	0	0	0	0	0*	0	0	0	0	0	0	0*
24	0	0	0	0	0	0	0	0	0	0	0*	0*
25	0	0	0	0	0	0	0	0	0	0	0*	0*
26	0	0	0	0	0	0	0	0	0	0	0*	0*
27	0	0	0	0	0	0	0	0	0	0	0*	0*
28	0	0	0	0	0	0	0	0	0	0	0*	0*
29	0	0	0	0*	------	0	0	0	0	0	0*	0*
30	0	0	0	0*	------	0	0	0	0	0	0*	0*
31	0	------	0	0*	------	0	------	0	------	0	0*	------
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2001	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	2000	Total	1.67	Mean	.005	Max	1.1	Min	0	Acre-Ft	3.3

* Estimated

E2015 Ten Site above Mortandad

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0	0	0*	0*	0	0	0	0	0	0	0
2	0*	0	0	0*	0*	0	0	0	0	0	0	0
3	0*	0	0	0*	0*	0	0	0	0	0	0	0
4	0*	0	0	0*	0*	0	0	0	0	0	0	0
5	0*	0	0	0*	0*	0	0	0	0	0	0	0
6	0	0	0	0*	0*	0	0	0	0	0	0	0
7	0	0	0	0*	0*	0	0	0	0	0	0	0
8	0	0	0	0*	0*	0	0	0	0	0	0	0
9	0	0	0	0	0*	0	0	0	0	0	0	0
10	0	0	0	0	0*	0	0	0	0	0	0	.03
11	0	0	0*	0*	0*	0	0	0	0	0	0	0
12	0	0	0*	0*	0*	0	0	0	0	0	0	0
13	0	0	0*	0*	0*	0	0	0	0	0	0	0
14	0	0	0*	0*	0*	0	0	0	0	0	0	0
15	0	0	0*	0*	0*	0	0	0	0	0	0	0
16	0	0	0*	0*	0*	0	0	0	0	0	0	0
17	0	0	0*	0*	0	0	0	0	0	0	0	0
18	0	0	0*	0*	0	0	0	0	0	0	0	0
19	0	0	0*	0*	0	0	0	0	0	0	0	0
20	0	0	0*	0	0	0	0	0	0	0	0	0
21	0	0	0*	0	0	0	0	0	.05*	0	0	0
22	0	0	0*	0	0	0	0	0	0	0	0	0
23	0	0	0*	0	0	0	0	0	0	0	0	0
24	0	0	0*	0	0	0	0	0	0	0	0	0
25	0	0	0*	0	0	0	0	0	0	0	0	0
26	0	0	0*	0	0	0	0	0	0	0	0	0
27	0	0	0*	0	0	0	0	0	0	0	0	0
28	0	0	0*	0	0	0	0	0	0	0	0	0
29	0	0	0*	0	------	0	0	0	0	0	0	0
30	0	0	0*	0*	------	0	0	0	0	0	0	0
31	0	------	0*	0*	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0.05	0	0	0.03
Mean	0	0	0	0	0	0	0	0	.002	0	0	.001
Max	0	0	0	0	0	0	0	0	.05	0	0	.03
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	.1	0	0	.06

Wtr Year	2002	Total	0.08	Mean	0	Max	.05	Min	0	Acre-Ft	.2
Cal Year	2001	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0

* Estimated

E2015 Ten Site above Mortandad

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	.02	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	.02	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	.01	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	.01	0
19	0	0	0	0	0	0	0	0	0	0	.14	0
20	0	0	0	0	0	0	0	0	0	0	.21	0
21	0	0	0	0	0	0	0	0	0	0	.02	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	------	0	0	0	0	0	0	0
30	0	0	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	.01	------	0	0	------
Total	0	0	0	0	0	0	0	0.01	0.04	0.01	0.38	0
Mean	0	0	0	0	0	0	0	0	.001	0	.012	0
Max	0	0	0	0	0	0	0	.01	.02	.01	.21	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	.02	.08	.02	.8	0

Wtr Year	2003	Total	0.44	Mean	.001	Max	.21	Min	0	Acre-Ft	.9
Cal Year	2002	Total	0.08	Mean	0	Max	.05	Min	0	Acre-Ft	.2

* Estimated

E2015 Ten Site above Mortandad

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0*	0	0*
2	0	0	0	0	0	0	0	0	0	0*	0	0*
3	0	0	0	0	0	0	0	0	0	0*	0	0*
4	0	0	0	0	0	0	0	0	0	0*	0	0*
5	0	0	0	0	0	0	0	0	0	0*	0	0*
6	0	0	0	0	0	0	0	0	0	0*	0	0*
7	0	0	0	0	0*	0	0	0	0	0*	0	0*
8	0	0	0	0	0*	0	0	0	0	0*	0	0*
9	0	0	0	0	0*	0	0	0	0	0*	0	0*
10	0	0	0	0	0*	0	0	0	0	0*	0	0*
11	0	0	0	0	0*	0	.02	0	0	0*	0	0*
12	0	0	0	0	0*	0	0	0	0	0*	0	0*
13	0	0	0	0	0*	0	0	0	0	0	0	0*
14	0	0	0	0	0*	0	0	0	0	0	0	0*
15	0	0	0	0	0*	0	0	0	0	0	0	0*
16	0	0	0	0	0*	0	0	0	0	0	0	0*
17	0	0	0	0	0*	0	0	0	0	0	0	0*
18	0	0	0	0	0*	0	0	0	0	0	0	0*
19	0	0	0	0	0*	0	0	0	0	0	0	0*
20	0	0	0	0	0*	0	0	0	0	0	0	0*
21	0	0	0	0	0	0	0	0	0	0	0	0*
22	0	0	0	0	0	0	0	0	0*	0	0	0*
23	0	0	0	0	0	0	0	0	0*	0	0	0*
24	0	0	0	0	0	0	0	0	0*	0	0	0*
25	0	0	0	0	0	0	0	0	0*	0	0*	0*
26	0	0	0	0	0	0	0	0	0*	0	0*	0*
27	0	0	0	0	0	0	0	0	0*	0	0*	0*
28	0	0	0	0	0	0	0	0	0*	0	0*	0*
29	0	0	0	0	0	0	0	0	0*	0	0*	0*
30	0	0	0	0	------	0	0	0	0*	0	0*	0*
31	0	------	0	0	------	0	------	0	------	0	0*	------
Total	0	0	0	0	0	0	0.02	0	0	0	0	0
Mean	0	0	0	0	0	0	.001	0	0	0	0	0
Max	0	0	0	0	0	0	.02	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	.04	0	0	0	0	0

Wtr Year	2004	Total	0.02	Mean	0	Max	.02	Min	0	Acre-Ft	.04
Cal Year	2003	Total	0.44	Mean	.001	Max	.21	Min	0	Acre-Ft	.9

* Estimated

E202 Mortandad above Sediment Traps

Location. Lat 35°51'39", long 106°16'15", NE 1/4 SW 1/4 sec. 23, T. 19 N, R. 6 E, Los Alamos County, 4.3 mi upstream from NM SR 4.

Drainage Area. 0.81 mi^2.

Period of Record. October 1, 1997, to September 30, 2004.

Gage. Data logger with cellular telemetry and 2.5-ft Parshall flume. Elevation of gage is 6,833.06 ft above *NGVD,* from land survey.

Remarks. Water discharge records good, except for periods of estimated records, which are fair.

Average Discharge. 8 years, zero.

Extremes for Period of Record. Maxium discharge 6.4 ft^3/s, gage height 0.87 ft, August 17, 1997. No flow most of time.

Extremes for Current Water Year. Maximum discharge 0.61 ft^3/s, gage height 0.15 ft from floodmark, August 17. No flow most of time.

E202 Mortandad above Sediment Traps

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0	0	0	0	0	0	0	0*	0	0	0
2	0*	0	0	0	0	0	0	0	0*	0	0	0
3	0*	0	0	0	0	0	0	0	0*	0	0	0
4	0*	0	0	0	0	0	0	0	0*	0	0	0
5	0*	0	0	0	0	0	0	0	0*	0	0	0
6	0*	0	0	0	0	0	0	0	0*	0	0	0
7	0*	0	0	0	0	0	0	0	0*	0	0	0
8	0*	0	0	0	0	0	0	0	0*	0	0	0
9	0*	0	0	0	0	0	0	0	0*	0	0	0
10	0*	0	0	0	0	0	0	0	0*	0	0	0
11	0*	0	0	0	0	0	0	0	0*	0	0	0
12	0*	0	0	0	0	0	0	0	0*	0	0	0
13	0*	0	0	0	0	0	0	0	0*	0	0	0
14	0*	0	0	0	0	0	0	0	0*	0	0	0
15	0*	0	0	0	0	0	0	0	0*	0	0	0
16	0*	0	0	0	0	0	0	0	0*	0	0	0
17	0*	0	0	0	0	0	0	0	0*	0	.03*	0
18	0*	0	0	0	0	0	0	0	0*	0	0	0
19	0*	0	0	0	0	0	0	0	0*	0	0	0
20	0*	0	0	0	0	0	0	0	0*	0	0	0
21	0*	0	0	0	0	0	0	0	0*	0	0	0
22	0*	0	0	0	0	0	0	0	0*	0	0	0
23	0*	0	0	0	0	0	0	0	0	0	0	0
24	0*	0	0	0	0	0	0	0	0	0	0	0
25	0*	0	0	0	0	0	0	0*	0	0	0	0
26	0*	0	0	0	0	0	0	0*	0	0	0	0
27	0*	0	0	0	0	0	0	0*	0	0	0	0
28	0	0	0	0	0	0	0	0*	0	0	0	0
29	0	0	0	0	0	0	0	0*	0	0	0	0
30	0	0	0	0	------	0	0	0*	0	0	0	0
31	0	------	0	0	------	0	------	0*	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0	0.03	0
Mean	0	0	0	0	0	0	0	0	0	0	.001	0
Max	0	0	0	0	0	0	0	0	0	0	.03	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	.06	0

Wtr Year	2004	Total	0.03	Mean	0	Max	.03	Min	0	Acre-Ft	.06
Cal Year	2003	Total	0.10	Mean	0	Max	.10	Min	0	Acre-Ft	.2

* Estimated

E203 Mortandad below Sediment Traps

Location. Lat 35°51'39", long 106°16'6", NE 1/4 SW 1/4 sec. 23, T. 19 N, R. 6 E, Los Alamos County, at exit from sediment collection traps, 4.2 mi upstream from NM SR 4.

Drainage Area. 0.9 mi^2, approximately.

Period of Record. October 1, 1996, to September 30, 2004.

Gage. Data logger and 6-in. Parshall flume. Elevation of gage is 6,811.52 ft above *NGVD,* from land survey.

Remarks. Records good.

Average Discharge. 8 years, zero.

Extremes for Period of Record. No flow for period.

Extremes for Current Water Year. No flow all year.

E203 Mortandad below Sediment Traps

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0*	0*	0*	0	0*	0	0
2	0	0	0	0	0	0*	0*	0*	0	0*	0	0
3	0	0	0	0	0	0*	0*	0*	0	0*	0	0
4	0	0	0	0	0	0*	0*	0*	0	0*	0	0
5	0	0	0	0	0	0*	0*	0*	0	0*	0	0
6	0	0	0	0	0	0*	0*	0*	0	0*	0	0
7	0	0	0	0	0	0*	0*	0*	0	0*	0	0
8	0	0	0	0	0	0*	0*	0*	0	0*	0	0
9	0	0	0	0	0	0	0*	0*	0	0*	0	0
10	0	0	0	0	0	0	0*	0*	0	0*	0	0
11	0	0	0	0	0	0	0*	0*	0	0*	0	0
12	0	0	0	0	0	0	0*	0*	0	0*	0	0
13	0	0	0	0	0	0	0*	0*	0	0*	0	0
14	0	0	0	0	0	0	0*	0*	0	0	0	0
15	0	0	0	0	0	0	0*	0*	0	0	0	0
16	0	0	0	0	0	0	0*	0*	0	0	0	0
17	0	0	0	0	0	0	0*	0*	0	0	0	0
18	0	0	0	0	0	0	0*	0*	0	0	0	0
19	0	0	0	0	0	0	0*	0*	0	0	0	0
20	0	0	0	0	0	0	0*	0*	0	0	0	0
21	0	0	0	0	0*	0	0*	0*	0	0	0	0
22	0	0	0	0	0*	0	0*	0*	0	0	0	0
23	0	0	0	0	0*	0	0*	0*	0	0	0	0
24	0	0	0	0	0*	0	0*	0*	0	0	0	0
25	0	0	0	0	0*	0	0*	0	0	0	0	0
26	0	0	0	0	0*	0	0*	0	0	0	0	0
27	0	0	0	0	0*	0	0*	0	0*	0	0	0
28	0	0	0	0	0*	0	0*	0	0*	0	0	0
29	0	0	0	0	0*	0	0*	0	0*	0	0	0
30	0	0	0	0	------	0	0*	0	0*	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2004	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	2003	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0

* Estimated

E204 Mortandad at LANL Boundary

Location. Lat 35°51'21", long 106°14'43", NW 1/4 NW 1/4 sec. 30, T. 19, R. 7 E, Santa Fe County, 100 ft upstream from LANL/San Ildefonso Indian Reservation Boundary, and 2.8 mi upstream from NM SR 4.

Drainage Area. 1.67 mi^2.

Period of Record. October 1, 1993, to September 30, 2004.

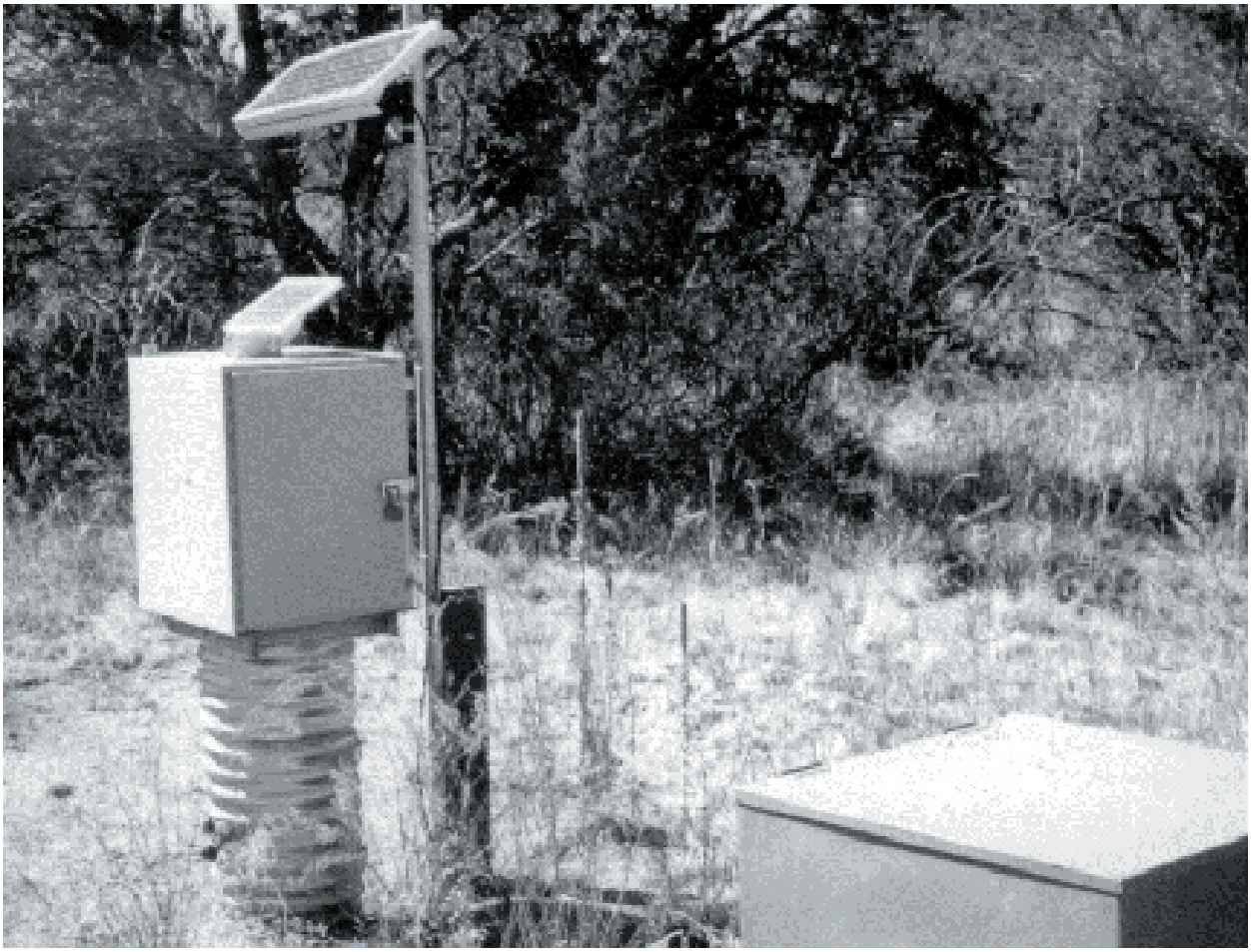
Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,657.66 ft above *NGVD*, from survey.

Remarks. Records good.

Average Discharge. 10 years, zero.

Extremes for Period of Record. No flow for period.

Extremes for Current Water Year. No flow for year.



E204 Mortandad at LANL Boundary

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2004	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	2003	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0

E218 Cañada del Buey near TA-46

Location. Lat 35°51'31", long 106°17'17" in 1/4 NE 1/4 SW sec. 26, T. 19 N, R. 6 E in Los Alamos County, on left bank 0.25 mi upstream from east gate of SWSC plant.

Drainage Area. 0.31 mi^2.

Period of Record. June 1, 2000, to September 30, 2004.

Gage. Data logger with cellular telemetry and 2-ft Parshall flume. Elevation of gage is 6,936 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 125 ft^3/s, July 28, 2000, gage height 3.20 ft, from critical depth computation. No flow most of time.

Extremes for Current Water Year. Maximum discharge 19 ft^3/s at 1725 h, July 23, gage height 1.73 ft. No flow most of time.

E218 Canada Del Buey near TA-46

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.03	0	0*	0	.04
2	0	0	0	0	0	0	0	.03	0	0*	0	0
3	0	0	0	0	0	0	0	0	0	0*	0	.01
4	0	0	0	0	0	0	.05	.20	.01	0*	0	.01
5	0	0	0	0	0	0	0	.03	.02	0*	0	.01
6	0	0	0	0	0	0	0	0	0	0*	0	.01
7	0	0	0	0	0	0	0	0	0	0*	0	.01
8	0	0	0	0	0	0	.10	0	0	0*	0	.01
9	0	0	0	0	0	0	.01	.07	0	0*	0	0
10	0	0	0	0	0	0	0	.01	0	0*	.01	.01
11	0	0	0	0	0	0	.07	.02	0	0*	0	.01
12	0	0	0	0	0	0	0	.01	0	0*	0	0
13	0	0	0	0	0	0	0	.01	0	0*	0	0
14	0	0	0	0	0	0	0	0	.01	0*	0	.07
15	0	0	0	0	0	0	0	0	0	0*	.05	.01
16	0	0	0	0	0	0	0	.02	0	0*	0*	.13
17	0	0	0	0	0	0*	0	.28	0	0*	0*	0
18	0	0	0	0	0	0*	0	.03	.26	0*	0*	.01
19	0	0	0	0	0	0	0	.04	.91	0*	0*	.01
20	0	0	0	0	0	0	0	0	1.1	0*	.15*	.03
21	0	0	0	0	0	.01	0	.01	.45	0*	.32	.01
22	0	0	0	0	0	0	0	.03	.16*	0*	.26	0
23	0	0	0	0	0	0	0	0	.02*	.20*	.20	.01
24	0	0	0	0	0	0	.09	0	0*	.93	.06	.01
25	0	0	0	0	0	.01	0	0	0*	.33	.03	.01
26	0	0	0	0	0	0	0	0	0*	.46	0*	.01
27	0	0	0	0	0	0	0	0	0*	0*	0*	.01
28	0	0	0	0	0	0	0	0	0*	0*	0*	.03
29	0	0	0	0	0	0	.13	.07	0*	0*	0*	.01
30	0	0	0	0	------	.01	0	.35	0*	.20	.05*	.09
31	0	------	0	0	------	0	------	.04	------	0	0	------
Total	0	0	0	0	0	0.03	0.45	1.28	2.94	2.12	1.13	0.57
Mean	0	0	0	0	0	.001	.015	.041	.098	.068	.036	.019
Max	0	0	0	0	0	.01	.13	.35	1.1	.93	.32	.13
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	.06	.9	2.5	5.8	4.2	2.2	1.1

Wtr Year	2004	Total	8.52	Mean	.023	Max	1.1	Min	0	Acre-Ft	17
Cal Year	2003	Total	1.44	Mean	.004	Max	.43	Min	0	Acre-Ft	2.9

*Estimated

E225 Cañada del Buey near MDA-G

Location. Lat 35°50'1.3", long 106°14'22.1", in Ramon Vigil Grant, Los Alamos County, 0.1 mi south of Santa Fe/Los Alamos County Line and 2.5 mi upstream from NM SR 4 in White Rock, NM.

Drainage Area. 1.58 mi^2.

Period of Record. October 1993 to September 30, 2004.

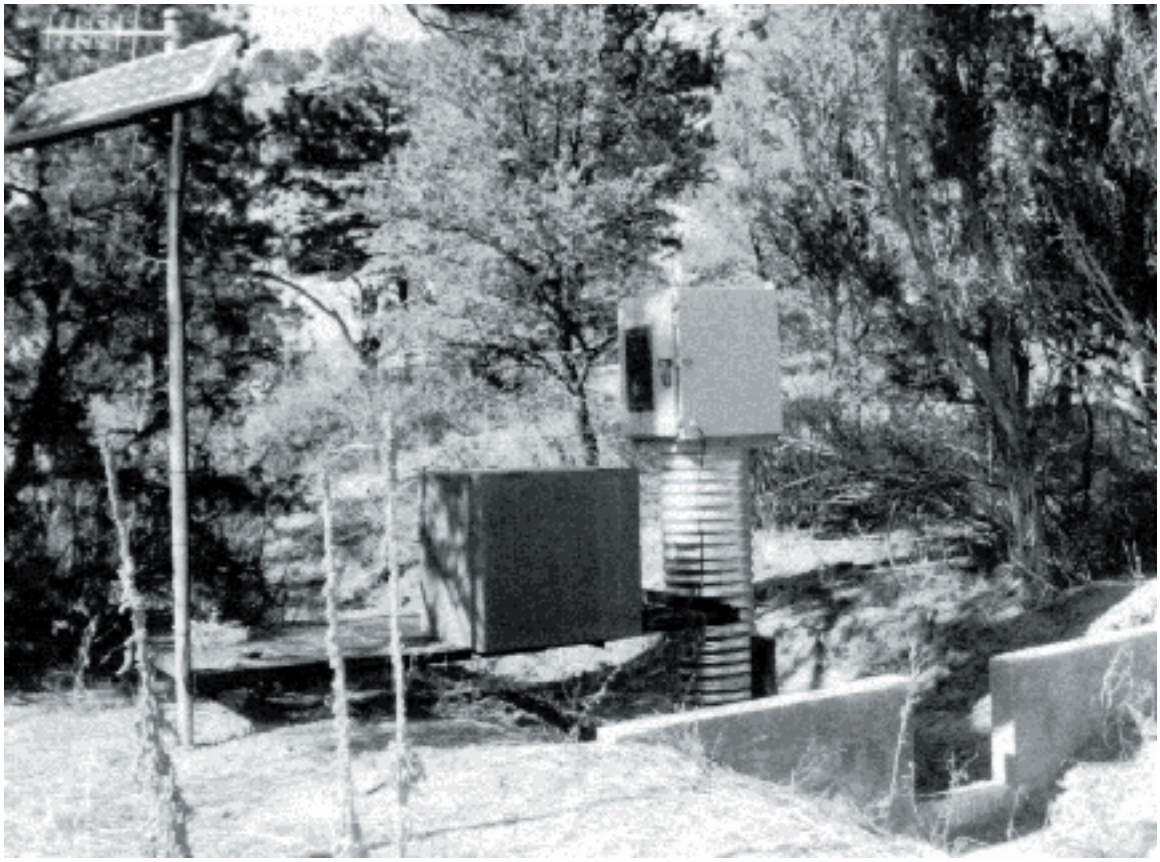
Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,602 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good.

Average Discharge. 10 years, zero.

Extremes for Period of Record. Maximum discharge 17 ft^3/s, September 8, 1995, gage height 2.71 ft. No flow most of time.

Extremes for Current Water Year. No flow all year.



E225 Cañada del Buey near MDA-G

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0*	0	0	0	0	0	0	0	0	0
2	0	0	0*	0	0	0	0	0	0	0	0	0
3	0	0	0*	0	0	0	0	0	0	0	0	0
4	0	0	0*	0	0	0	0	0	0	0	0	0
5	0	0	0*	0	0	0	0	0	0	0	0	0
6	0	0	0*	0	0	0	0	0	0	0	0	0
7	0	0	0*	0	0	0	0	0	0	0	0	0
8	0	0	0*	0	0	0	0	0	0	0	0	0
9	0	0	0*	0	0	0	0	0	0	0	0	0
10	0	0	0*	0	0	0	0	0	0	0	0	0
11	0	0	0*	0	0	0	0	0	0	0	0	0
12	0	0	0*	0	0	0	0	0	0	0*	0	0
13	0	0	0*	0	0	0	0	0	0	0*	0	0
14	0	0	0*	0	0	0	0	0	0	0*	0	0
15	0	0	0	0	0	0	0	0	0	0*	0	0
16	0	0	0	0	0	0	0	0	0	0*	0	0
17	0	0	0	0	0	0	0	0	0	0*	0	0
18	0	0*	0	0	0	0	0	0	0	0*	0	0
19	0	0*	0	0	0	0	0	0	0	0*	0	0
20	0	0*	0	0	0	0	0	0	0	0*	0	0
21	0	0*	0	0	0	0	0	0	0	0*	0	0
22	0	0*	0	0	0	0	0	0	0	0*	0	0
23	0	0*	0	0	0	0	0	0	0	0*	0	0
24	0	0*	0	0	0	0	0	0	0	0*	0	0
25	0	0*	0	0	0	0	0	0	0	0*	0	0
26	0	0*	0	0	0	0	0	0	0	0*	0	0
27	0	0*	0	0	0	0	0	0	0	0*	0	0
28	0	0*	0	0	0	0	0	0	0	0	0	0
29	0	0*	0	0	0	0	0	0	0	0	0	0
30	0	0*	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2004	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	2003	Total	0.45	Mean	.001	Max	.44	Min	0	Acre-Ft	.9

*Estimated

E230 Cañada del Buey above SR 4

Location. Lat 35°49'38", long 106°12'43", in Ramon Vigil Grant, Los Alamos County, on left bank 250 ft upstream from NM SR 4 in White Rock, NM.

Drainage Area. 2.14 mi^2.

Period of Record. October 1991 to September 30, 2004.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,401 ft above *NGVD,* from GPS survey.

Remarks. Water discharge records good except for estimated daily discharges, which are fair.

Average Discharge. 10 years, 0.010 ft^3/s, 7.2 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 210 ft^3/s, June 17, 1999, gage height 3.30 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 6.3 ft^3/s at 1450 h, August 19, gage height 0.80 ft. No flow most of time.

E230 Cañada Del Buey above SR 4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	.01	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	.14	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0*	0
13	0	0	0	0	0	0	0	0	0	0	0*	0
14	0	0	0	0	0	0	0	0	0	0	0*	0
15	0	0	0	0	0	0	0	0	0	0	0*	0
16	0	0	0	0	0	0	0	0	0	0	0*	0
17	0	0	0	0	0	0	0	0	0	0	0*	0
18	0	0	0	0	0	0	0	0	0*	0	0	0
19	0	0	0	0	0	0	0	0	0*	0	.27	0
20	0	0	0	0	0	0	0	0	0*	0	0	0
21	0	0	0	0	0	0	0	0	0*	0	0	0
22	0	0	0	0	0	0	0	0	0	0	.03	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	.02	0	0
25	0	0	0	0	0	0	0	0	0	0	0	.04
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0.01	0	0	0	0	0	0	0	0	0.02	0.44	0.04
Mean	0	0	0	0	0	0	0	0	0	.001	.014	.001
Max	.01	0	0	0	0	0	0	0	0	.02	.27	.04
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	.02	0	0	0	0	0	0	0	0	.04	.9	.08

Wtr Year	2004	Total	0.51	Mean	.001	Max	.27	Min	0	Acre-Ft	1.0
Cal Year	2003	Total	4.05	Mean	.011	Max	2.1	Min	0	Acre-Ft	8.0

*Estimated

E240 Pajarito below SR 501

Location. Lat 35°52'3.9", long 106°21'09", SE 1/4 NW 1/4, sec. 19, T. 19 N, R. 6 E, Los Alamos County, in Santa Fe National Forest, 100 ft downstream from NM SR 501.

Drainage Area. 1.90 mi^2.

Period of Record. October 1993 to June 28, 2000 (destroyed by flood); April to September 30, 2004.

Revised Records. WDR 1997: Gage height "Extremes for Period of Record."

Gage. Data logger with cellular telemetry. Elevation of gage is 7,720 ft above *NGVD,* from GPS survey. Formerly published as "Pajarito Canyon above Highway 501 near Los Alamos, NM" at different datum.

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

Average Discharge. 10 years, 0.11 ft^3/s, 80 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 1,020 ft^3/s, June 28, 2000, from peak flow computation, gage height not determined. No flow at times.

Extremes for Current Water Year. Maximum discharge 2.0 (about) ft^3/s on April 15, gage height not determined. No flow most of time.

E240 Pajarito below SR 501

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0*	0*	0	0*	0*	0*	0	0	0
2	0	0	0	0	0*	0	0*	0*	0*	0	0	0
3	0	0	0	0*	0	0	0*	0*	0*	0	0	0
4	0	0	0	0*	0	0	0*	0	0*	0	0	0
5	0	0	0	0*	0	0	0*	0	0*	0	0	0
6	0	0	0	0*	0	0	0*	0	0*	0	0	0
7	0	0	0	0*	0	0	0*	0	0*	0	0	0
8	0	0	0	0*	0	0	0*	0	0*	0	0	0
9	0	0	0	0*	0	0	0*	0	0*	0	0	0
10	0	0	0	0*	0	0	0*	0	0*	0	0	0
11	0	0	0	0*	0	0	0*	0	0*	0	0	0
12	0	0	0	0*	0	0	1.4*	0	0*	0	0	0
13	0	0	0	0*	0	0	1.3*	0	0*	0	0	0
14	0	0	0	0*	0	0	1.2*	0	0*	0	0	0
15	0	0	0	0*	0	0	1.0*	0	0*	0	0	0
16	0	0	0	0*	0	0	.80*	0	0*	0	0	0
17	0	0	0	0*	0	0	.70*	0	0*	0	0	0
18	0	0	0	0*	0	0*	.50*	0*	0*	0	0	0
19	0	0	0	0*	0	0*	.30*	0*	0*	0	0	0
20	0	0	0	0*	0	0*	.10*	0*	0*	0	0	0
21	0	0	0	0*	0	0*	.05*	0*	0*	0	0	0
22	0	0	0	0*	0	0*	0*	0*	0*	0	0	0
23	0	0	0	0*	0	0*	0*	0*	0*	0	0	0
24	0	0	0	0*	0	0*	0*	0*	0	0	0	0
25	0	0	0	0*	0	0*	0*	0*	0	0	0	0
26	0	0	0	0*	0	0*	0*	0*	0	0	0	0
27	0	0	0	0*	0	0*	0*	0*	0	0	0	0
28	0	0	0	0*	0	0*	0*	0*	0	0	0	0
29	0	0	0*	0*	0	0*	0*	0*	0	0	0	0
30	0	0	0*	0*	------	0*	0*	0*	0	0	0	0
31	0	------	0*	0*	------	0*	------	0*	------	0	0	------
Total	0	0	0	0	0	0	7.35	0	0	0	0	0
Mean	0	0	0	0	0	0	.25	0	0	0	0	0
Max	0	0	0	0	0	0	1.4	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	15	0	0	0	0	0

Wtr Year	2004	Total	7.35	Mean	.020	Max	1.4	Min	0	Acre-Ft	15
Cal Year	2003	Total	1.23	Mean	.003	Max	.74	Min	0	Acre-Ft	2.4

*Estimated

E241 Pajarito above Starmers

Location. Lat 35°51'33.6", long 106°20'12.6", SW 1/4 SW 1/4 sec. 20, T. 19 N, R. 6 E, Los Alamos County, 100 ft upstream from mouth of Starmer's Gulch (E242), 0.5 mi south of LANL TA-22, building 91.

Drainage Area. 3.97 mi^2.

Period of Record. March 1999 to June 28, 2000 (destroyed by flood); July 2001 to September 30, 2004.

Gage. Data logger with cellular telemetry and 90° sharp crested weir. Elevation of gage is 7,382 ft above *NGVD,* from GPS survey.

Remarks. Records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 300 ft^3/s, June 28, 2000, from peak flow computation, gage height 5.00 ft. No flow at times.

Extremes for Current Water Year. Maximum discharge 4.1 ft^3/s at 1950 h, July 24, gage height 1.99 ft. No flow at times.

E241 Pajarito above Starmers

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	.01*	.01*	.01*	.02	.03	.03	.01*	.01	.01	.01	.01
2	.01*	.01*	.01*	.01*	.02	.03	.03	.01*	.01	0	.01	.01
3	.01*	.01*	.01*	.01*	.02	.02	.04	.01*	.01	0	.01	.01
4	.01*	.01*	.01*	.01*	.03*	.02	.06	.01*	.01	0	.01	.01
5	.01*	.01*	.01*	.01*	.01*	.02	.06	.01*	.01	0	.01	.01
6	.01*	.01*	.01*	.01*	.01*	.03	.05	.01*	.01	0	.01	.01
7	.01*	.01*	.01*	.02	.01*	.03	.06	.01*	.01	0	.01	.01
8	.01*	.01*	.01*	.02	.01*	.05	.19	.01*	.01	0	.01	.01
9	.01*	.01*	.01*	.02	.01*	.09	.43	.01*	.01	0	.01	.01
10	.01*	.01*	.01*	.02	.01*	.06	.25	.01*	.01	0	.01	.01
11	.01*	.01*	.01*	.02	.01*	.06	.21	.01*	.01	0	.01	.01
12	.01*	.01*	.01*	.02	.02*	.06	.13	.01*	.02	0*	.01	.01
13	.01*	.01*	.01*	.02	.02*	.07	.36	.01*	.02	0	.01	.01
14	.01*	.01*	.01*	.02	.02*	.07	.35	.01*	.02	0	.01	.01
15	.01*	.01*	.01*	.02	.02*	.07	.26	.01*	.02	0	.01	.01
16	.01*	.01*	.01*	.02	.02*	.07	.20	.01*	.01	0	.01	.01
17	.01*	.01*	.01*	.02	.02	.07	.16	.01*	.01	0	.01	.01
18	.01*	.01*	.01*	.02	.03	.07	.11	.01*	.01	0	.01	.01
19	.01*	.01*	.01*	.02	.03	.06	.09*	.01*	.01	0	.01	.01
20	.01*	.01*	.01*	.02	.03	.05	.07*	.01*	.01	0	.01	.01
21	.01*	.01*	.01*	.02	.03	.05	.06*	.01*	.01	0	.01	.01
22	.01*	.01*	.01*	.02	.03	.05	.05*	.01*	.01	0	.01	.01
23	.01*	.01*	.01*	.02	.03	.05	.04*	.01*	.01	.02	.01	.01
24	.01*	.01*	.01*	.02	.03	.05	.04*	.01*	.01	.08	.01	.01
25	.01*	.01*	.01*	.02	.03	.04	.02*	.01	.01	.01	.01	.01
26	.01*	.01*	.01*	.02	.03	.04	.01*	.01	.01	.01	.01	.01
27	.01*	.01*	.01*	.02	.03	.04	.01*	.01	.01	.06	.01	.02
28	.01*	.01*	.01*	.02	.03	.04	.01*	.01	.01	.01	.01	.01
29	.01*	.01*	.01*	.02	.03	.04	.01*	.01	.01	.01	.01	.01
30	.01*	.01*	.01*	.02	------	.04	.01*	.02	.01	.01	.01	.01
31	.01*	------	.01*	.02	------	.03	------	.01	------	.01	.01	------
Total	0.30	0.30	0.31	0.56	0.64	1.50	3.40	0.32	0.34	0.23	0.31	0.31
Mean	.010	.010	.010	.018	.022	.048	.11	.010	.011	.007	.010	.010
Max	.01	.01	.01	.02	.03	.09	.43	.02	.02	.08	.01	.02
Min	0	.01	.01	.01	.01	.02	.01	.01	.01	0	.01	.01
Acre-Ft	.6	.6	.6	1.1	1.3	3.0	6.7	.6	.7	.5	.6	.6

Wtr Year	2004	Total	8.52	Mean	.023	Max	.43	Min	0	Acre-Ft	17
Cal Year	2003	Total	3.81	Mean	.010	Max	.69	Min	0	Acre-Ft	7.6

* Estimated

E242 Starmers above Pajarito

Location. Lat 35°51'33.0", long 106°20'13.0", SW 1/4 SW 1/4 sec. 20, T. 19 N, R. 6 E, Los Alamos County, 100 ft upstream from confluence of Starmer's Gulch and Pajarito Canyon, 0.5 mi south of LANL TA-22, building 91.

Drainage Area. 0.82 mi^2.

Period of Record. March 1999 to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,390 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 180 ft^3/s, June 28, 2000, gage height 2.75 ft. No flow at times.

Extremes for Current Water Year. Maximum discharge 19 ft^3/s, July 23, gage height 1.32 ft. (from floodmark). No flow at times.

E242 Starmers above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01*	.01*	.01*	.01*	.01	.01	.60	1.2	.10	.03	.05	.03
2	.02*	.01*	.01*	.01*	.01	.02	.55	1.1	.09	.03	.04	.03
3	.04*	.01*	.01*	.01*	.01	.03	.70	1.1	.08	.02	.04	.03
4	.05*	.01*	.02*	.01*	.01	.07	1.5	1.0	.07	.02	.03	.03
5	.04*	.01*	.01*	.01*	.01	.11	1.3	.97	.07	.02	.03	.03
6	.03*	.01*	.01*	.01*	.01	.10	1.5	.91	.06	.01*	.03	.03
7	.04*	.01*	.01*	.01	.01	.18	1.5	.85	.05	.02*	.03	.03
8	.03*	.01*	.03*	.01	.01	.53	3.1	.80	.05	.02*	.03	.03
9	.02*	.01*	.02*	.01	.01	1.3	2.3	.74	.05	.01*	.03	.03
10	.03*	.01*	.01*	.01	.01	1.4	2.5	.69	.04	.01*	.03	.02
11	.02*	.01*	.01*	.01	.01	1.4	3.3	.64	.04	.01*	.03	.02
12	.01*	.02*	.01*	.01	.01	1.7	3.5	.59	.04	.01*	.03	.02
13	.01*	.04*	.01*	.01	.01	2.1	3.1	.54	.04	.02	.03	.02
14	.01*	.03*	.01*	.01	.01	2.0	2.9	.50	.03	.03	.03	.02
15	.01*	.02*	.01*	.01	.01	1.9	2.8	.45	.03	.03	.04	.02
16	.01*	.02*	.01*	.01	.01	1.8	2.6	.41	.03	.03	.04	.02
17	.01*	.03*	.01*	.01	.02	1.7	2.4	.37	.03	.03	.04	.02
18	.01*	.02*	.01*	.02	.02	1.6	2.2	.33	.03	.03	.04	.02
19	.01*	.01*	.01*	.02	.03	1.5	2.1	.30	.03	.04	.04	.03
20	.01*	.01*	.01*	.01	.04	1.4	2.0	.27	.02	.05	.04	.03
21	.01*	.01*	.01*	.01	.02	1.3	1.9	.24	.02	.05	.05	.03
22	.01*	.01*	.01*	.01	.02	1.2	1.8	.21	.02	.04	.04	.03
23	.01*	.01*	.01*	.02	.03	1.1	1.7	.18	.02	.73*	.04	.03
24	.01*	.01*	.01*	.02	.03	1.1	1.6	.16	.02	.10*	.03	.03
25	.01*	.01*	.01*	.02	.02	.99	1.6	.14	.02	.05	.03	.03
26	.01*	.01*	.01*	.02	.01	.97	1.5	.14	.02	.06	.03	.03
27	.01*	.01*	.02*	.03	.01	.95	1.4	.13	.02	.09	.03	.04
28	.01*	.01*	.01*	.02	.01	.90	1.4	.12	.02	.12	.03	.06
29	.01*	.01*	.01*	.02	.01	.83	1.3	.12	.03	.10	.02	.05
30	.01*	.01*	.01*	.01	------	.76	1.3	.12	.03	.09	.03	.04
31	.01*	------	.01*	.01	------	.67	------	.10	------	.06	.03	------
Total	0.53	0.41	0.36	0.41	0.43	31.62	57.95	15.42	1.20	1.96	1.06	0.88
Mean	.017	.014	.012	.013	.015	1.02	1.93	.50	.040	.063	.034	.029
Max	.05	.04	.03	.03	.04	2.1	3.5	1.2	.10	.73	.05	.06
Min	.01	.01	.01	.01	.01	.01	.55	.10	.02	.01	.02	.02
Acre-Ft	1.1	.8	.7	.8	.9	63	115	31	2.4	3.9	2.1	1.7

Wtr Year	2004	Total	112.23	Mean	.31	Max	3.5	Min	.01	Acre-Ft	223
Cal Year	2003	Total	11.41	Mean	.031	Max	.27	Min	0	Acre-Ft	23

* Estimated

E2425 La Delfe above Pajarito

Location. Lat 35°51'25", long 106°19'56", Ramon Vigil Grant, Los Alamos County 0.25 mi west of Starmer's Gulch and Pajarito Canyon and 0.75 mi south of LANL TA-22, building 91.

Drainage Area. 0.53 mi^2.

Period of Record. June 1, 2000, to September 30, 2004.

Gage. Data logger with cellular telemetry and 90° sharp crested weir. Elevation of gage is 7,340 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 6.6 ft^3/s, June 21, 2002, gage height 1.91 ft; maximum gage height recorded 2.01 ft, January 4, 2002 (ice jam); no flow at times.

Extremes for Current Year. Maximum discharge 2.7 ft^3/s at 2020 h, July 24, gage height 1.58 ft. No flow at times.

E2425 La Delfe above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.03	.03*	.02*	.02	.03	.15*	.12	.03	.02	.03	.02
2	.03	.03	.06*	.01*	.02	.03	.15*	.11	.03	.02	.03	.02
3	.04	.04	.05*	.01*	.02	.04	.17*	.11	.03	.02	.03	.02
4	.04	.04	.07*	.01*	.02	.05	.17*	.11	.03	.02	.03	.02
5	.04	.04	.08*	.02*	.02	.05	.17*	.10	.03	.02	.03	.02
6	.04	.04	.07*	.03*	.02	.05	.17*	.10	.03	.02	.03	.02
7	.04	.04	.05*	.01*	.02	.05	.18*	.10	.03	.02	.03	.02
8	.04	.03	.03*	.01*	.12	.08	.18*	.10	.03	.02	.03	.02
9	.04	.03	.02*	.02*	.10	.13	.19*	.09	.03	.01	.02	.02
10	.04	.03	.01*	.03*	.02	.21	.19*	.09	.03	.01	.02	.01
11	.04	.03	0*	.02*	.02	.20	.19*	.09	.02	.01	.02	.01
12	.04	.03	0*	.01*	.02	.21	.18*	.08	.02	.01	.02	.01
13	.04	.04	0*	.02*	.02	.25	.18*	.08	.02	.01	.02	.01
14	.04	.04	0	.01*	.01	.27	.19*	.08	.02	.01	.02	.01
15	.04	.04	0	.02*	.02	.26	.19*	.08	.02	.01	.02	.01
16	.03	.04	.11	.04	.02	.24	.19	.07	.02	.01	.02	.01
17	.03	.04	.14	.03	.02	.21	.18	.07	.02	.01	.02	.01
18	.03	.04	.12*	.02	.02	.20	.17	.07	.02	.01	.02	.01
19	.03	.03*	.14	.02	.02	.18	.17	.06	.02	.02	.02	.02
20	.03	.02*	.18	.02	.02	.16	.17	.06	.02	.02	.03	.02
21	.03	.03*	0*	.02	.02	.15	.17	.06	.02	.01	.03	.02
22	.03	.03*	0	.02	.02	.14*	.17	.06	.02	.02	.03	.01
23	.03	.03*	0	.02	.03	.20*	.17	.06	.02	.02	.03	.01
24	.03	.03*	0	.02	.03	.18*	.17	.06	.02	.15	.03	.02
25	.03	.04*	0	.02	.03	.15*	.16	.05	.02	.05	.02	.02
26	.03	.03*	0	.02	.03	.13*	.15	.05	.02	.03	.02	.02
27	.03	.04*	0	.02	.04	.10*	.14	.04	.02	.03	.02	.03
28	.03	.03*	0	.02	.04	.10*	.14	.04	.02	.03	.02	.03
29	.03	.03*	0	.02	.03	.09*	.13	.03	.02	.03	.02	.02
30	.03	.04*	0	.02	------	.08*	.13	.03	.02	.03	.02	.02
31	.03	------	.02*	.02	------	.10*	------	.03	------	.03	.02	------
Total	1.06	1.03	1.18	0.60	0.84	4.32	5.06	2.28	0.70	0.73	0.75	0.51
Mean	.034	.034	.038	.019	.029	.14	.17	.074	.023	.024	.024	.017
Max	.04	.04	.18	.04	.12	.27	.19	.12	.03	.15	.03	.03
Min	.03	.02	0	.01	.01	.03	.13	.03	.02	.01	.02	.01
Acre-Ft	2.1	2.0	2.3	1.2	1.7	8.6	10	4.5	1.4	1.4	1.5	1.0

Wtr Year	2004	Total	19.06	Mean	.052	Max	.27	Min	0	Acre-Ft	38
Cal Year	2003	Total	8.08	Mean	.022	Max	.18	Min	0	Acre-Ft	16

*Estimated

E243 Parajito above Twomile

Location. Lat. 35°51'15", Long. 106°17'46", Ramon Vigil Grant, Los Alamos County, on left bank, 200 ft downstream above confluence of Twomile Canyon, 0.6 mi upstream from E245, 1.0 mi upstream from E2455 and 2 mi from Pajarito Road.

Drainage Area. 7.30 mi^2.

Period of Record. February 2002 to September 30, 2004.

Gage. Data logger with cellular telemetry. Elevation of gage 6,947 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records poor.

Extremes for Period of Record. Maximum discharge, 41 ft^3/s, June 21, 2002, gage height 1.73 ft. No flow most time.

Extremes for 2002 Water Year. Maximum discharge, 41 ft^3/s at 2235 h, June 21, gage height 1.73 ft. No flow most of time.

Extremes for 2003 Water Year. Maximum discharge, 7.8 ft^3/s at 1755 h, Sept. 11, gage height 0.99 ft. No flow most of time.

Extremes for Current Year. Maximum discharge, 9.8 ft^3/s at 2035 h, July 24, gage height 1.07 ft. No flow most of time.

243 Pajarito above Twomile

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	0	0	0	0	0	0	0
2					0	0	0	0	0	0	0	0
3					0	0	0	0	0	0	0	0
4					0	0	0	0	0	0	0	0
5					0	0	0	0	0	0	0	0
6					0	0	0	0	0	0	0	0
7					0	0	0	0	0	0	0	0
8					0	0	0	0	0	0	.01	0
9					0	0	0	0	0	0	0	0
10					0	0	0	0	0	0	0	.12
11					0	0	0	0	0	0	0	0
12					0	0	0	0	0	0	0	0
13					0	0	0	0	0	0	0	0
14					0	0	0	0	0	.13	0	0
15					0	0	0	0	0	0	0	0
16					0	0	0	0	0	0	0	0
17					0	0	0	0	0	0	0	0
18				0	0	0	0	0	0	.01	0	0
19				0	0	0	0	0	0	0	0	0
20				0	0	0	0	0	0	0	0	0
21				0	0	0	0	0	.79	0	0	0
22				0	0	0	0	0	.43	0	0	0
23				0	0	0	0	0	0	0	0	0
24				0	0	0	0	0		0	0	0
25				0	0	0	0	0	0	.02	0	0
26				0	0	0	0	0	0	.02	0	0
27				0	0	0	0	0	0	0	0	0
28				0	0	0	0	0	0	0	0	0
29				0	------	0	0	0	0	0	0	0
30				0	------	0	0	0	0	0	0	0
31		------		0	------	0	------	0	------	0	0	------
Total				0	0	0	0	0	1.22	0.18	0.01	0.12
Mean				0	0	0	0	0	.042	.006	0	.004
Max				0	0	0	0	0	.79	.13	.01	.12
Min				0	0	0	0	0	0	0	0	0
Acre-Ft				0	0	0	0	0	2.4	.4	.02	.2

Wtr Year	2002	Total	1.53	Mean	.006	Max	.79	Min	0	Acre-Ft	3.0
Cal Year	2001	Total		Mean		Max		Min		Acre-Ft	

E243 Pajarito above Twomile

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0*	0*	0*	0*	0*	0*	0	0	0	0	0
2	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
3	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
4	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
5	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
6	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
7	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
8	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
9	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
10	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0
11	0*	0*	0*	0*	0*	0*	0	0	0	0	.21	0
12	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
13	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
14	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
15	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
16	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
17	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
18	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
19	0*	0*	0	0*	0*	0*	0	0	0	0	0	0
20	0*	0*	0	0*	0*	0*	0	0	0	0	0	0
21	0*	0*	0	0*	0*	0*	0	0	0	0	0	0
22	0*	0*	0	0*	0*	0*	0	0	0	0	0	0
23	0*	0*	0	0*	0*	0*	0	0	0	0	1.0*	0
24	0*	0*	0	0*	0*	0*	0	0	0	0	0	0
25	0*	0*	0	0*	0*	0*	0	0	0	0	0	0
26	0*	0*	0	0*	0*	0*	0	0	0	0	0	0
27	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
28	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0
29	0*	0*	0*	0*	------	0*	0	0	0	0	0	0
30	0*	0*	0*	0*	------	0*	0	0	0	0	0	0
31	0*	------	0*	0*	------	0*	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0	1.21	0
Mean	0	0	0	0	0	0	0	0	0	0	.039	0
Max	0	0	0	0	0	0	0	0	0	0	1.0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	2.4	0

Wtr Year	2003	Total	1.21	Mean	.003	Max	1.0	Min	0	Acre-Ft	2.4
Cal Year	2002	Total	1.53	Mean	.004	Max	.79	Min	0	Acre-Ft	3.0

*Estimated

E243 Pajarito above Twomile

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0*	0*	0	0	0	.14	.30	0	0	0	0
2	0	0*	0*	0	0	0	.18	.29	0	0	0	0
3	0	0*	0*	0	0	0	.28	.27	0	0	0	0
4	0	0*	0*	0*	0	0	.73	.25	0	0	0	0
5	0	0*	0*	0*	0	0	.75	.23	0	0	0	0
6	0	0*	0*	0*	0	.03	.83	.21	0	0	0	0
7	0	0*	0*	0*	0	.08	.83	.19	0	0	0	0
8	0	0*	0*	0	0	.20	1.1	.17	0	0	0	0
9	0	0*	0*	0	0	.34	.95	.16	0	0	0	0
10	0	0*	0*	0	0	.15	.91	.14	0	0	0	0
11	0	0*	0*	0	0	.14	.98	.13	0	0	.06	0
12	0	0*	0*	0	0	.23	1.0	.11	0	0	0	0
13	0	0*	0*	0	0	.39	1.0	.10	0	0	0	0
14	0	0*	0*	0	0	.51	.96	.10	0	0	0	0
15	0*	0*	0*	0	0	.56	.88	.09	0	0	0	0
16	0*	0*	0*	0	0	.53	.83	.08	0	0	0	0
17	0*	0*	0*	0	0	.53	.77	.06	0	0	0	0
18	0*	0*	0*	0	0	.50	.70	.05	0	0	.03	0
19	0*	0*	0*	0	0	.45	.66	.03	0	0	0	0
20	0*	0*	0*	0	0	.41	.64	.01	0	0	0	0
21	0*	0*	0*	0	0	.38	.58	0	0	0	0	0
22	0*	0*	0*	0	0	.35	.52	0	0	0	0	0
23	0*	0*	0	0*	0	.32	.50	0	0	.09	0	0
24	0*	0*	0	0*	0	.29	.46	0	0	.42	0	0
25	0*	0*	0	0	0	.27	.43	0	0	.05	0	0
26	0*	0*	0	0	0	.26	.41	0	0	0	0	0
27	0*	0*	0	0	0	.25	.41	0	0	0	0	0
28	0*	0*	0*	0	0	.24	.38	0	0	0	0	0
29	0*	0*	0*	0	0	.23	.35	0	0	0	0	0
30	0*	0*	0*	0	------	.20	.33	0	0	0	0	0
31	0*	------	0	0	------	.18	------	0	------	0	0	------
Total	0	0	0	0	0	8.02	19.49	2.97	0	0.56	0.09	0
Mean	0	0	0	0	0	.26	.65	.096	0	.018	.003	0
Max	0	0	0	0	0	.56	1.1	.30	0	.42	.06	0
Min	0	0	0	0	0	0	.14	0	0	0	0	0
Acre-Ft	0	0	0	0	0	16	39	5.9	0	1.1	.2	0

Wtr Year	2004	Total	31.13	Mean	.085	Max	1.1	Min	0	Acre-Ft	62
Cal Year	2003	Total	1.21	Mean	.003	Max	1.0	Min	0	Acre-Ft	2.4

*Estimated

E245 Pajarito above TA-18

Location. Lat 35°51'4.2", long 106°17'11.4", Ramon Vigil Grant, Los Alamos County, on left bank 0.15 mi southeast of Pajarito Road, and upstream from LANL TA-8 and Threemile Canyon.

Drainage Area. 7.37 mi^2.

Period of Record. November 1993 to September 30, 2004.

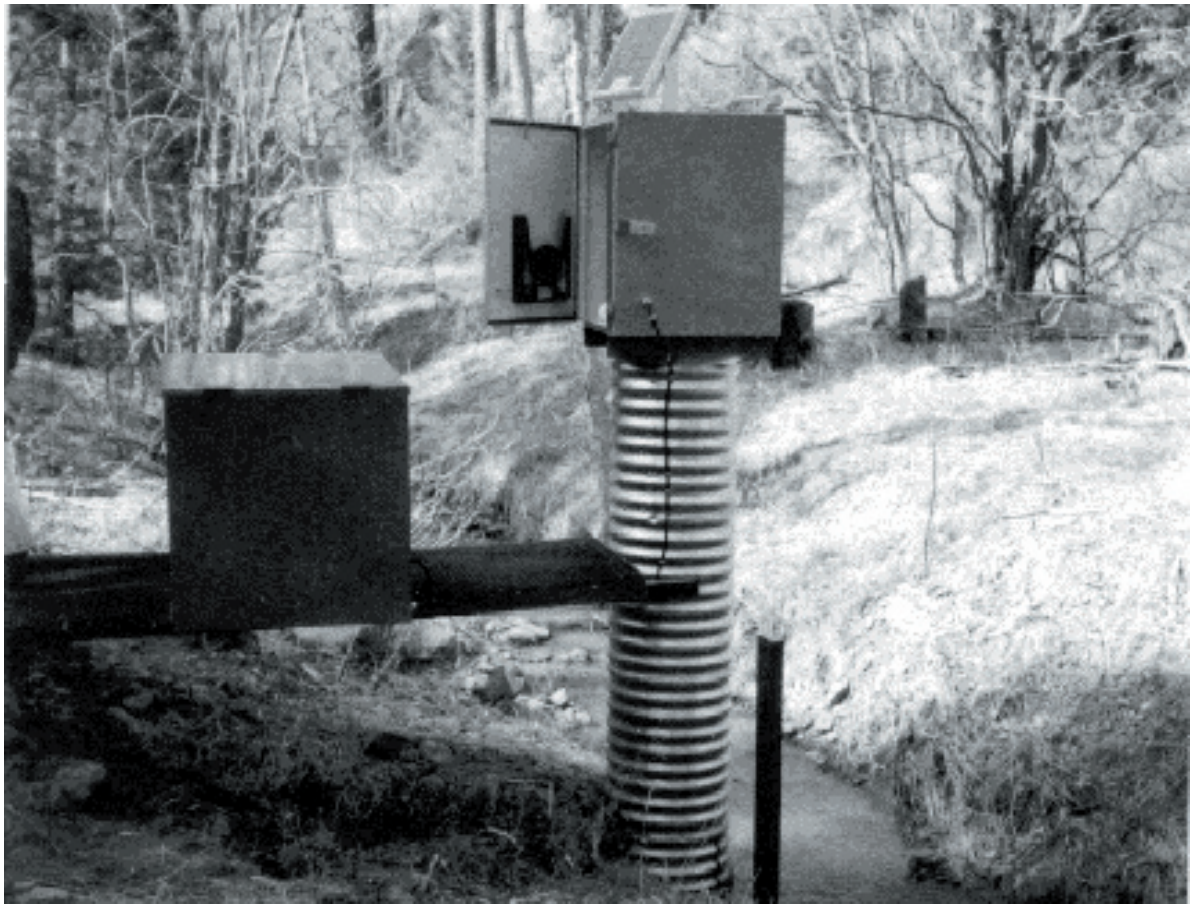
Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,880 ft above *NGVD,* from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Average Discharge. 10 years, 0.13 ft^3/s, 94 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 517 ft^3/s, June 28, 2000, gage height 5.03 ft (from floodmark). No flow most of time.

Extremes for Current Water Year. Maximum discharge 74 ft^3/s at unknown h, July 24, gage height 2.66 ft (from floodmark). No flow most of time.



E245 Pajarito above TA-18

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	.02	.11	0*	0*	0	0
2	0	0	0	0	0	0	.08	.09	0*	0*	0	0*
3	0	0	0	0	0	0	.58	.07	0*	0*	0	0*
4	0	0	0	0	0	0	1.8	.05	0*	0*	0*	0*
5	0	0	0	0	0	0	.90	.03	0*	0*	0*	0*
6	0	0	0	0	0	0	.74	.01	0*	0*	0*	0*
7	0	0	0	0	0	0	.65	0	0*	0*	0*	0*
8	0	0	0	0	0	0	4.0	0	0*	0*	0*	0*
9	0	0	0	0	0	0	2.2	0	0*	0*	0*	0*
10	0	0	0	0	0	0	1.6	0	0*	0*	0*	0*
11	0	0	0	0	0	0	2.8	0	0*	0*	0*	0*
12	0	0	0	0	0	.80	2.5	0	0*	0*	0*	0*
13	0	0	0	0	0	.47	2.4	0*	0*	0*	0*	0*
14	0	0	0	0	0	.36	2.0	0*	0*	0*	0*	0*
15	0	0	0	0	0	.74	1.6	0*	0*	0*	0*	0*
16	0	0	0	0	0	.79	1.4	0*	0*	0*	0*	0*
17	0	0	0	0	0	.76	1.2	0*	0*	0*	0*	0*
18	0	0	0	0	0	.67	.98	0*	0*	0*	.30*	0*
19	0	0	0	0	0	.57	.86	0*	0*	0*	0*	0*
20	0	0	0	0	0	.49	.77	0*	0*	0*	0	0*
21	0	0	0	0	0	.43	.68	0*	0*	0*	0	0*
22	0	0	0	0	0	.37	.59	0*	0*	0*	0	0*
23	0	0	0	0	0	.32	.60	0*	0*	.30*	0	0*
24	0	0	0	0	0	.26	.50	0*	0*	2.0*	0	0*
25	0	0	0	0	0	.18	.38	0*	0*	.02*	0	0*
26	0	0	0	0	0	.16	.34	0*	0*	0*	0	0*
27	0	0	0	0	0	.15	.32	0*	0*	0*	0	0*
28	0	0	0	0	0	.13	.24	0*	0*	0	0	0*
29	0	0	0	0	0	.11	.18	0*	0*	0	0	0*
30	0	0	0	0	------	.09	.14	0*	0*	0	0	0*
31	0	------	0	0	------	.05	------	0*	------	0	0	------
Total	0	0	0	0	0	7.90	33.05	0.36	0	2.32	0.30	0
Mean	0	0	0	0	0	.25	1.10	.012	0	.075	.010	0
Max	0	0	0	0	0	.80	4.0	.11	0	2.0	.30	0
Min	0	0	0	0	0	0	.02	0	0	0	0	0
Acre-Ft	0	0	0	0	0	16	66	.7	0	4.6	.6	0

Wtr Year	2004	Total	43.93	Mean	.12	Max	4.0	Min	0	Acre-Ft	87
Cal Year	2003	Total	5.16	Mean	.014	Max	3.9	Min	0	Acre-Ft	10

*Estimated

E2455 Pajarito above Threemile

Location. Lat 35°5'45.5", long 106°16'28.9", Ramon Vigil Grant, Los Alamos County, 0.5 mi upstream from LANL TA-18 and Threemile Canyon and 0.15 mi southeast of Pajarito Road.

Drainage Area. 7.65 mi^2.

Period of Record. March 1999 to September 30, 1999; January 1, 2002, to September 30, 2004.

Revised Record. LA-13706-PR to LA-14131-PR (1999-2003) (P).

Gage. Data logger with cellular telemetry and 90° sharp crested weir. Elevation of gage is 6,798 ft above *NGVD*, from GPS survey.

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

Extremes for Period of Record. Maximum discharge 96 ft^3/s, September 16, 1999, gage height 2.83 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 58 ft^3/s, at 2105 h, July 24, gage height 2.64 ft. No flow most of time.

E2455 Pajarito above Threemile

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0*	.62	.11	0	0	0	0
2	0	0	0	0	0	0*	.70	.08	0	0	0	0
3	0	0	0	0	0*	0*	.77	.05	0	0	0	0
4	0	0	0	0	0*	0*	1.0	.03	0	0	0	0
5	0	0	0	0	0*	0*	.78	0	0	0	0	0
6	0	0	0	0	0*	0*	.74	0	0	0	0	0
7	0	0	0	0	0*	0*	.70	0	0	0	0	0
8	0	0	0	0	0*	0	1.8	0	0	0	0	0
9	0	0	0	0	0*	0	1.0	0	0	0	0	0
10	0	0	0	0	0*	0*	.85	0	0	0	0	0
11	0	0	0	0	0*	.04	1.2	0	0	0	0	0
12	0	0	0	0	0*	.23	1.0	0	0	0	0	0
13	0	0	0	0	0*	.40	.96	0	0	0	0	0
14	0	0	0	0	0*	.49	.84	0	0	0	0	0
15	0	0	0	0	0*	.87	.72	0	0	0	0	0
16	0	0	0	0	0*	1.1	.68	0	0	0	0	0
17	0	0	0	0	0*	1.1	.68	0	0	0	0	0
18	0	0	0	0	0*	1.1	.60	0	0	0	.25	0
19	0	0	0	0	0*	1.0	.60	0	0	0	0	0
20	0	0	0	0*	0*	1.0	.56	0	0	0	0	0
21	0	0	0	0*	0*	.96	.56	0	0	0	0	0
22	0	0	0	0*	0*	.93	.53	0	0	0	0	0
23	0	0	0	0*	0*	.91	.52	0	0	.30	0	0
24	0	0	0	0*	0*	.86	.48	0	0	1.9	0	0
25	0	0	0	0*	0*	.83	.44	0	0	.01	0	0
26	0	0	0	0	0*	.81	.40	0	0	0	0	0
27	0	0	0	0	0*	.79	.33	0	0	.01	0	0
28	0	0	0	0	0*	.73	.25	0	0	.01	0	0
29	0	0	0	0	0*	.72	.19	0	0	0	0	0
30	0	0	0	0	------	.70	.15	0	0	0	0	0
31	0	------	0	0	------	.65	------	0	------	0	0	------
Total	0	0	0	0	0	16.22	20.65	0.27	0	2.23	0.25	0
Mean	0	0	0	0	0	.52	.69	.009	0	.072	.008	0
Max	0	0	0	0	0	1.1	1.8	.11	0	1.9	.25	0
Min	0	0	0	0	0	0	.15	0	0	0	0	0
Acre-Ft	0	0	0	0	0	32	41	.5	0	4.4	.5	0

Wtr Year	2004	Total	39.62	Mean	.11	Max	1.9	Min	0	Acre-Ft	79
Cal Year	2003	Total	1.46	Mean	.004	Max	.54	Min	0	Acre-Ft	2.9

*Estimated

E246 Threemile above Pajarito

Location. Lat 35°50'20", long 106°16'17", NW 1/4 SE 1/4, Ramon Vigil Grant, Los Alamos County, 0.05 mi northeast of TA-18, and 0.50 mi southeast of Pajarito Road.

Drainage Area. 1.53 mi^2.

Period of Record. October 1998 to September 30, 2004.

Gage. Data logger with cellular telemetry and 9-in.-Parshall flume. Elevation of gage is 6,760 ft above *NGVD*.

Remarks. Water discharge record good, except for estimated daily discharges, which are poor.

Average Discharge. 6 years, 0.006 ft^3/s, 4.3 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 173 ft^3/s, August 20, 2004, gage height 2.08 ft from floodmark. No flow most of time.

Extremes for Current Water Year. Maximum discharge 173 ft^3/s at 1815 h, August 20, gage height 2.53 ft from floodmark. No flow most of time.

E246 Threemile above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0*	0*	0	0	0	0	0	0
2	0	0	0	0	0*	0*	0	0	0	0	0	0
3	0	0	0	0	0*	0*	0	0	0	0	0	0
4	0	0	0	0	0*	0*	0	0	0	0	0	0
5	0	0	0	0	0*	0*	0	0	0	0	0	0
6	0	0	0	0	0*	0*	0	0	0	0	0	0
7	0	0	0	0	0*	0*	0	0	0	0	0	0
8	0	0	0	0	0*	0	0	0	0	0	0	0
9	0	0	0	0	0*	0	0	0	0	0	0	0
10	0	0	0	0	0*	0	0	0	0	0	0	0
11	0	0	0	0	0*	0	0	0	0	0	0	0
12	0	0	0	0	0*	0	0	0	0	0	0	0
13	0	.01	0	0	0*	0	0	0	0	0	0	0
14	0	.01	0	0	0*	0	0	0	0	0	0	0
15	0	0	0	0	0*	0	0	0	0	0	0	0
16	0	0	0	0	0*	0	0	0	0	0	0	0
17	0	0	0	0	0*	0	0	0	0	0	0	0
18	0	0	0	0	0*	0	0	0	0	0	.60	0
19	0	0	0	0	0*	0	0	0	0	0	0	0
20	0	0	0	0	0*	0	0	0	0	0	3.1	0
21	0	0	0	0*	0*	0	0	0	0	0	0	0
22	0	0	0	0*	0*	0	0	0	0	0	0	0
23	0	0	0	0*	0*	0	0	0	0	1.9	0	0
24	0	0	0	0*	0*	0	0	0	0	0	0	0
25	0	0	0	0*	0*	0	0	0	0	0	0	0
26	0	0	0	0*	0*	0	0	0	0	0	0	0
27	0	0	0	0*	0*	0	0	0	0	0	0	0
28	0	0	0	0*	0*	0	0	0	0	0	0	0
29	0	0	0	0*	0*	0	0	0	0	0	0	0
30	0	0	0	0*	------	0	0	0	0	0	0	0
31	0	------	0	0*	------	0	------	0	------	0	0	------
Total	0	0.02	0	0	0	0	0	0	0	1.9	3.70	0
Mean	0	.001	0	0	0	0	0	0	0	.061	.12	0
Max	0	.01	0	0	0	0	0	0	0	1.9	3.1	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	.04	0	0	0	0	0	0	0	3.8	7.3	0

Wtr Year	2004	Total	5.62	Mean	.015	Max	3.1	Min	0	Acre-Ft	11
Cal Year	2003	Total	0.71	Mean	.002	Max	.69	Min	0	Acre-Ft	1.4

*Estimated

E250 Pajarito above SR 4

Location. Lat 35°49'26.7", long 106°13'40.5", in Ramon Vigil Grant, Los Alamos County on left bank, 400 ft southeast of Pajarito Road, 0.40 mi upstream from NM SR 4, and 1.4 mi from White Rock, NM.

Drainage Area. 10.9 mi^2.

Period of Record. November 1993 to September 30, 2004.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,535 ft above *NGVD,* from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Average Discharge. 10 years, 0.03 ft^3/s, 22 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 26 ft^3/s, June 22, 2002, gage height 3.86 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 3.1 ft^3/s at 1100 h, April 8, gage height 2.59 ft. No flow most of time.

E250 Pajarito above SR 4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.07	0*	0	0*	0
2	0	0	0	0	0	0	0	.04	0*	0	0*	0
3	0	0	0	0	0	0	0	.02	0	0	0*	0
4	0	0	0	0	0	0	0	0	0	0	0*	0
5	0	0	0	0	0	0	.04	0	0	0	0*	0
6	0	0	0	0	0	0	.10	0	0	0	0*	0
7	0	0	0	0	0	0	.11	0	0	0	0*	0
8	0	0	0	0	0	0	1.6	0	0	0	0*	0
9	0	0	0	0	0	0	1.5	.03	0	0	0*	0
10	0	0	0	0	0	0	.99	.06	0	0	0*	0
11	0	0	0	0	0	0	1.7	.04	0	0	0*	0
12	0	0	0	0	0	0	1.8	.02	0	0*	0*	0
13	0	0	0	0	0	0	1.6	0*	0	0*	0*	0
14	0	0	0	0	0	0	1.2	0*	0	0*	0*	0
15	0	0	0	0	0	0	.86	0*	0	0*	0*	0
16	0	0	0	0	0	0	.73	0*	0	0*	0*	0
17	0	0	0	0	0	0	.64	0*	0	0*	0*	0
18	0	0	0	0	0	0	.49	0*	0	0*	0*	0
19	0	0	0	0	0	0	.36	0*	0	0*	0*	0
20	0	0	0	0	0	0	.30	0*	0	0*	0*	0
21	0	0	0	0	0	0	.25	0*	0	0*	0*	0
22	0	0	0	0	0	0	.20	0*	0	0*	0*	0
23	0	0	0	0	0	0	.27	0*	0	0*	0*	0
24	0	0	0	0	0	0	.36	0*	0	0*	0*	0
25	0	0	0	0	0	0	.13	0*	0	0*	0*	0
26	0	0	0	0	0	0	.12	0*	0	0*	0*	0
27	0	0	0	0	0	0	.11	0*	0	0*	0*	0
28	0	0	0	0	0	0	.09	0*	0	0*	0*	0
29	0	0	0	0	0	0	.08	0*	0	0*	0*	0
30	0		0	0	------	0	.08	0*	0	0*	0*	0
31	0	------	0	0	------	0	------	0*	------	0*	0*	------
Total	0	0	0	0	0	0	15.71	0.28	0	0	0	0
Mean	0	0	0	0	0	0	.52	.009	0	0	0	0
Max	0	0	0	0	0	0	1.8	.07	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	31	.6	0	0	0	0

Wtr Year	2004	Total	15.99	Mean	.044	Max	1.8	Min	0	Acre-Ft	32
Cal Year	2003	Total	0.04	Mean	0	Max	.04	Min	0	Acre-Ft	.08

*Estimated

E252 Water above SR 501

Location. Lat 35°50'18", long 106°21'42.6", T. 19 N, R. 5 E, Los Alamos County in Santa Fe National Forest, 0.3 mi upstream from NM SR 501, and 0.4 mi northwest of junction of SR 501 and 4.

Drainage Area. 3.39 mi^2.

Period of Record. October 1994 to September 2000; October 2000 to June 2000 (destroyed by flood); April 2001 to September 2004.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,558 ft above *NGVD,* from GPS survey. New location 30 ft upstream at same datum.

Remarks. Records poor.

Average Discharge. 10 years, 0.07 ft^3/s, 51 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 840 ft^3/s on June 28, 2000, from peak flow computation, gage height 7.91 ft. No flow at times.

Extremes for Current Water Year. Maximum discharge 1.5 ft^3/s, April 8, gage height 2.58 ft (from high water mark). No flow at times.

E252 Water above SR 501

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.01	0	0	.01	.14	.34	.01*	.01*	.01*	.04	.01*
2	.01	.01	0	0	.01	.15	.32	.01*	.01*	.01*	.04	.01*
3	.01	.01	0	0	.01	.10	.30	.01*	.01*	.01*	.04	.01*
4	.01	.01	.01	0	.01	.01	.33	.01*	.01*	.01*	.05	.01*
5	.01	0	.01	0	.01	.02	.59	.01*	.01*	.01*	.05	.01*
6	.01	0	.01	0	.01	.02	.86	.01*	.01*	.01*	.05	.01*
7	.01	0	.01	0	.01	.02	.83	.01*	.01*	.01*	.05	.01*
8	.01	0	.01	.01	.01	.03	1.2	.01*	.01*	.01*	.05	.01*
9	.01	0	.01	.01	.01	.04	1.1	.01*	.01*	.01*	.05	.01*
10	.01	.01	.01	.01	.01	.05	1.1	.01*	.01*	.01*	.05	.01*
11	.01	.01	.01	.01	.01	.05	.97	.01*	.01*	.01*	.06	.01*
12	.01	.01	.01	.01	.01	.06	1.0	.01*	.01*	.01*	.06	.01*
13	.01	.01	.01	.01	.01	.06	1.0	.01*	.01*	.01*	.06	.01*
14	.01	0	.01	.01	.01	.23	1.0	.01*	.01*	.01*	.06	.01*
15	.01	0	.01*	.01	.01	.33	.90*	.01*	.01*	.02	.06	.01*
16	.01	.01*	.01*	.01	.01	.35	.65*	.01*	.01*	.02	.06	.01*
17	.01	.01*	.01*	.01	.01	.40	.60*	.01*	.01*	.03	.06	.01*
18	.01	.01*	.01*	.01	.01	.44	.50*	.01*	.01*	.03	.07	.01*
19	.01	.01*	.01*	.01	.02	.43	.40*	.01*	.01*	.03	.07	.01*
20	.01	.01*	.01*	.01	.03	.45	.40*	.01*	.01*	.03	.07	.01*
21	.01	.01*	.01*	.01	.03	.43	.30*	.01*	.01*	.03	.07	.01*
22	.01	.01*	0	.01	.04	.41	.30*	.01*	.01*	.03	.07	.01*
23	.01	.01*	0	.01	.04	.41	.30*	.01*	.01*	.03	.07	.01*
24	.01	.01*	0	.01	.05	.42	.20*	.01*	.01*	.03	.08	.01*
25	.01	.01*	0	.01	.05	.43	.20*	.01*	.01*	.03	.08	.01*
26	.01	.01*	0	.01	.06	.39	.10*	.01*	.01*	.03	.04	.01*
27	.01	.01*	0	.01	.08	.38	.08*	.01*	.01*	.04	0	.01*
28	.01	.01*	0	.01	.10	.39	.05*	.01*	.01*	.04	0	.01*
29	.01	.01*	0	.01	.12	.37	.02*	.01*	.01*	.04	.01*	.01*
30	.01	.01*	0	.01	------	.35	.02*	.01*	.01*	.04	.01*	.01*
31	.01	------	0	.01	------	.35	------	.01*	------	.04	.01*	------
Total	0.31	0.23	0.18	0.24	0.80	7.71	15.96	0.31	0.30	0.68	1.54	0.30
Mean	.010	.008	.006	.008	.028	.25	.53	.010	.010	.022	.050	.010
Max	.01	.01	.01	.01	.12	.45	1.2	.01	.01	.04	.08	.01
Min	.01	0	0	0	.01	.01	.02	.01	.01	.01	0	.01
Acre-Ft	.6	.5	.4	.5	1.6	15	32	.6	.6	1.3	3.1	.6

Wtr Year	2004	Total	28.56	Mean	.078	Max	1.2	Min	0	Acre-Ft	57
Cal Year	2003	Total	10.07	Mean	.028	Max	.19	Min	0	Acre-Ft	20

*Estimated

E2528 S Site Canyon above Water

Location. Lat 35°49'51", Long 106°18'27", in Ramon Vigil Grant, Los Alamos County, on left bank, 50 ft above confluence with Water Canyon, 0.4 mile upstream of E262, 2.0 mi upstream from E2625, and 4.6 mi upstream from SR 4.

Drainage Area. 0.71 mi^2.

Period of Record. April 1999 to September 30, 2004.

Gage. Data logger with cellular atelemetry and 90° sharp-crested weir. Elevation of gage is 6,840 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records poor.

Extremes for Period of Record. Maximum discharge 162 ft^3/s August 20, 2004, gage height 4.03 ft. No flow most of time.

Extremes for 1999 Water Year (partial). No flow for period.

Extremes for 2000 Water Year. Maximum discharge 2.7 ft^3/s at 1735 h July 29, 2000, gage height 1.88 ft. No flow most of time.

Extremes for 2001 Water Year. Maximum discharge 10 ft^3/s, August 3, 2000, gage height 2.61 (from floodmarks). No flow most of time.

Extremes for 2002 Water Year. No flow all year.

Extremes for 2003 Water Year. No flow all year.

Extremes for 2004 Water Year. Maximum discharge 162 ft^3/s at 1715 h August 20, gage height 4.03 ft. No flow most of time.

E2528 S Site Canyon above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 1998 to September 1999

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	0	0	0
2								0	0	0	0	0
3								0	0	0	0	0
4								0	0	0	0	0
5								0	0	0	0	0
6								0	0	0	0	0
7								0	0	0	0	0
8								0	0	0	0	0
9							0	0	0	0	0	0
10							0	0	0	0	0	0
11							0	0	0	0	0	0
12							0	0	0	0	0	0
13							0	0	0*	0	0	0
14							0	0	0*	0	0	0
15							0	0	0*	0	0	0
16							0	0	0*	0	0	0
17							0	0	0*	0	0	0
18							0	0	0*	0	0	0
19							0	0	0*	0	0	0
20							0	0	0*	0	0	0
21							0	0	0*	0	0	0
22							0	0	0*	0	0	0
23							0	0	0*	0	0	0
24							0	0	0	0	0	0
25							0	0	0	0	0	0
26							0	0	0	0	0	0
27							0	0	0	0	0	0
28							0	0	0	0	0	0
29					------		0	0	0	0	0	0
30					------		0	0	0	0	0	
31		------			------		------	0	------	0	0	------
Total							0	0	0	0	0	0
Mean							0	0	0	0	0	0
Max							0	0	0	0	0	0
Min							0	0	0	0	0	0
Acre-Ft							0	0	0	0	0	0

Wtr Year	1999	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	1998	Total		Mean		Max		Min		Acre-Ft	

*Estimated

E2528 S Site Canyon above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 1999 to September 2000

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0*	0*	0	0	0	0	0	0	0*
2	0	0	0	0*	0	0	0	0	0	0	0	0*
3	0	0	0	0*	0	0	0	0	0	0	0	0*
4	0	0	0	0*	0	0	0	0	0	0	0	0*
5	0	0	0	0*	0	0	0	0	0	0	0	0*
6	0	0	0	0*	0	0	0	0	0	0	0	0*
7	0	0	0	0*	0	0	0	0	0	0	0	0*
8	0	0	0	0*	0	0	0	0	0	0	0	0*
9	0	0	0	0*	0	0	0	0	0	0	0	0*
10	0	0	0	0*	0	0	0	0	0	0	0	0*
11	0	0	0*	0*	0	0	0	0	0	0	0	0
12	0	0	0*	0*	0	0	0	0	0	0	0	0
13	0	0	0*	0*	0	0	0	0	0	0	0	0
14	0	0	0*	0*	0	0	0	0	0	0	0	0
15	0	0	0*	0*	0	0	0	0	0	0	0*	0
16	0	0	0*	0*	0	0	0	0	0	0	0*	0
17	0	0	0*	0*	0	0	0	0	0	0	0*	0
18	0	0	0*	0*	0	0	0	0	0	0	0*	0
19	0	0	0*	0*	0	0	0	0	0	0	0*	0
20	0	0	0*	0*	0	0	0	0	0	0	0*	0
21	0	0	0*	0*	0	0	0	0	0	0	0*	0
22	0	0	0*	0*	0	0	0	0	0	0	0*	0
23	0	0	0*	0*	0	0	0	0	0	0	0*	0
24	0	0	0*	0*	0	0	0	0	0	0	0*	0
25	0	0	0*	0*	0	0	0	0	0	0	0*	0
26	0	0	0*	0*	0	0	0	0	0	0	0*	0
27	0	0	0*	0*	0	0	0	0	0	0	0*	0
28	0	0	0*	0*	0	0	0	0	0	0	0*	0
29	0	0	0*	0*	0	0	0	0	0	.09	0*	0
30	0	0	0*	0*	------	0	0	0	0	0	0*	0
31	0	------	0*	0*	------	0	------	0	------	0	0*	------
Total	0	0	0	0	0	0	0	0	0	0.09	0	0
Mean	0	0	0	0	0	0	0	0	0	.003	0	0
Max	0	0	0	0	0	0	0	0	0	.09	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2000	Total	0.09	Mean	0	Max	.09	Min	0	Acre-Ft	.2
Cal Year	1999	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0

*Estimated

E2528 S Site Canyon above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2000 to September 2001

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0*	0*	0	0*	0*
2	0	0	0	0	0	0	0	0*	0*	0	.20*	0*
3	0	0	0	0	0	0	0	0*	0*	0	0*	0*
4	0	0	0	0	0	0	0	0*	0*	0	0*	0*
5	0	0	0	0	0	0	0	0*	0*	0	0*	0*
6	0	0	0	0	0	0	0*	0*	0*	0	0*	0*
7	0	0	0	0	0	0	0*	0*	0*	0	0*	0*
8	0	0	0	0	0	0	0*	0*	0*	0	0*	0*
9	0	0	0	0	0	0	0*	0*	0*	0	0*	0*
10	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
11	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
12	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
13	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
14	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
15	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
16	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
17	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
18	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
19	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
20	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
21	0	0	0	0	0	0	0*	0*	0	0*	0*	0*
22	0	0	0	0	0	0	0*	0*	0	0*	0*	0*
23	0	0	0	0	0	0	0*	0*	0	.15*	0*	0*
24	0	0	0	0	0	0	0*	0*	0	0*	0*	0*
25	0	0	0	0	0	0	0*	0*	0	0*	0*	0*
26	0	0	0	0	0	0	0*	0*	0	0*	0*	0*
27	0	0	0	0	0	0	0*	0*	0	0*	0*	0*
28	0	0	0	0	0	0	0*	0*	0	0*	0*	0*
29	0	0	0	0	------	0	0*	0*	0	0*	0*	0*
30	0	0	0	0	------	0	0*	0*	0	0*	0*	0*
31	0	------	0	0	------	0	------	0*	------	0*	0*	------
Total	0	0	0	0	0	0	0	0	0	0.15	0.20	0
Mean	0	0	0	0	0	0	0	0	0	.005	.007	0
Max	0	0	0	0	0	0	0	0	0	.15	.20	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	.3	.4	0

Wtr Year	2001	Total	0.35	Mean	.001	Max	.20	Min	0	Acre-Ft	.7
Cal Year	2000	Total	0.09	Mean	0	Max	.09	Min	0	Acre-Ft	.2

*Estimated

E2528 S Site Canyon above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0*	0	0	0	0	0	0	0	0	0	0*
2	0*	0	0	0	0	0	0	0	0	0	0	0*
3	0*	0	0	0	0	0	0	0	0	0	0*	0*
4	0*	0	0	0	0	0	0	0	0	0	0*	0*
5	0*	0	0	0	0	0	0	0	0	0	0*	0*
6	0*	0	0	0	0	0	0	0	0	0	0*	0*
7	0*	0	0	0	0	0	0	0	0	0	0*	0*
8	0*	0	0	0	0	0	0	0	0	0	0*	0*
9	0*	0	0	0	0	0	0	0	0	0	0*	0*
10	0*	0	0	0	0	0	0	0	0	0	0*	0*
11	0*	0	0	0	0	0	0	0	0	0	0*	0*
12	0*	0	0	0	0	0	0	0	0	0	0*	0*
13	0*	0	0	0	0	0	0	0	0	0	0*	0*
14	0*	0	0	0	0	0	0	0	0	0	0*	0*
15	0*	0	0	0	0	0	0	0	0	0	0*	0*
16	0*	0	0	0	0	0	0	0	0	0	0*	0*
17	0*	0	0	0	0	0	0	0	0	0	0*	0*
18	0*	0	0	0	0	0	0	0	0	0	0*	0*
19	0*	0	0	0	0	0	0	0	0	0	0*	0*
20	0*	0	0	0	0	0	0	0	0	0	0*	0*
21	0*	0	0	0	0	0	0	0	0	0	0*	0*
22	0*	0	0	0	0	0	0	0	0	0	0*	0*
23	0*	0	0	0	0	0	0	0	0	0	0*	0*
24	0*	0	0	0	0	0	0	0	0	0	0*	0*
25	0*	0	0	0	0	0	0	0	0	0	0*	0*
26	0*	0	0	0	0	0	0	0	0	0	0*	0*
27	0*	0	0	0	0	0	0	0	0	0	0*	0*
28	0*	0	0	0	0	0	0	0	0	0	0*	0*
29	0*	0	0	0	------	0	0	0	0	0	0*	0*
30	0*	0	0	0	------	0	0	0	0	0	0*	0*
31	0*	------	0	0	------	0	------	0	------	0	0*	------
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2002	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	2001	Total	0.35	Mean	.001	Max	.20	Min	0	Acre-Ft	.7

*Estimated

E2528 S Site Canyon above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0	0*	0*	0	0	0	0	0	0	0	0*
2	0	0	0*	0*	0	0	0	0	0	0	0	0*
3	0	0	0*	0*	0	0	0	0	0	0	0	0*
4	0	0	0*	0*	0	0	0	0	0	0	0	0*
5	0	0	0*	0*	0	0	0	0	0	0	0	0*
6	0	0	0*	0*	0	0	0	0	0	0	0	0*
7	0	0	0*	0*	0	0	0	0	0	0	0	0*
8	0	0	0*	0	0	0	0	0	0	0	0	0*
9	0	0	0*	0	0	0	0	0	0	0	0	0*
10	0	0	0*	0	0	0	0	0	0	0	0	0*
11	0	0	0*	0	0	0	0	0	0	0	0	0*
12	0	0	0*	0	0	0	0	0	0	0	0	0*
13	0	0	0*	0	0	0	0	0	0	0	0	0*
14	0	0*	0*	0	0	0	0	0	0	0	0	0*
15	0	0*	0*	0	0	0	0	0	0	0	0	0*
16	0	0*	0*	0	0	0	0	0	0	0	0	0*
17	0	0*	0*	0	0	0	0	0	0	0	0	0*
18	0	0*	0*	0	0	0	0	0	0	0	0	0*
19	0	0*	0*	0	0	0	0	0	0	0	0	0*
20	0	0*	0*	0	0	0	0	0	0	0	0*	0*
21	0	0*	0*	0	0	0	0	0	0	0	0*	0*
22	0	0*	0*	0	0	0	0	0	0	0	0*	0*
23	0	0*	0*	0	0	0	0	0	0	0	0*	0*
24	0	0*	0*	0	0	0	0	0	0	0	0*	0*
25	0	0*	0*	0	0	0	0	0	0	0	0*	0*
26	0	0*	0*	0	0	0	0	0	0	0	0*	0*
27	0	0*	0*	0	0	0	0	0	0	0	0*	0*
28	0	0*	0*	0	0	0	0	0	0	0	0*	0*
29	0	0*	0*	0	------	0	0	0	0	0	0*	0*
30	0	0*	0*	0	------	0	0	0	0	0	0*	0*
31	0	------	0*	0	------	0	------	0	------	0	0*	------
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2003	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	2002	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0

*Estimated

E2528 S Site Canyon above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
2	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
3	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
4	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
5	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
6	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
7	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
8	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
9	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
10	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
11	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
12	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
13	0*	0	0	0*	0*	0*	0*	0	0	0	0*	0
14	0*	0	0*	0*	0*	0*	0*	0	0	0	0*	0
15	0*	0	0*	0*	0*	0*	0*	0	0	0	0*	0
16	0*	0	0*	0*	0*	0*	0*	0	0	0	0*	0
17	0*	0	0*	0*	0*	0*	0*	0	0	0	0*	0
18	0*	0	0*	0*	0*	0*	0*	0	0	0	0*	0
19	0*	0	0*	0*	0*	0*	0*	0	0	0	0	0
20	0*	0	0*	0*	0*	0*	0*	0	0	0	2.1	0
21	0*	0	0*	0*	0*	0*	0*	0	0	0	.32	0
22	0*	0	0*	0*	0*	0*	0	0	0	0*	.02	0
23	0	0	0*	0*	0*	0*	0	0	0	0*	.04	0
24	0	0	0*	0*	0*	0*	0	0	0	0*	.02	0
25	0	0	0*	0*	0*	0*	0	0	0	0*	.03	0
26	0	0	0*	0*	0*	0*	0	0	0	0*	.03	0
27	0	0	0*	0*	0*	0*	0	0	0	0*	.01	0
28	0	0	0*	0*	0*	0*	0	0	0	0*	0	0
29	0	0	0*	0*	0*	0*	0	0	0	0*	0	0
30	0	0	0*	0*	------	0*	0	0	0	0*	0	0
31	0	------	0*	0*	------	0*	------	0	------	0*	0	------
Total	0	0	0	0	0	0	0	0	0	0	2.57	0
Mean	0	0	0	0	0	0	0	0	0	0	.083	0
Max	0	0	0	0	0	0	0	0	0	0	2.1	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	5.1	0

Wtr Year	2004	Total	2.57	Mean	.007	Max	2.1	Min	0	Acre-Ft	5.1
Cal Year	2003	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0

*Estimated

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E253 Cañon de Valle above SR 501

Location. Lat 35°51'6.6", long 106°21'17" NE 1/4, NE 1/4 sec. 25, T. 19 N, R. 5 E, Los Alamos County in Santa Fe National Forest, on left bank 0.25 mi upstream from NM SR 501, 4.7 mi above mouth, and 1.5 mi north of junction of SR 501 and 4.

Drainage Area. 2.46 mi^2.

Period of Record. October 1994 to June 2000 (when gage was destroyed); January 31, 2001, to September 30, 2004.

Gage. Data logger with cellular telemetry and 120° weir plate. Elevation of gage is 7,707 ft above *NGVD,* from GPS survey.

Remarks. Records good.

Average Discharge. 10 years, 0.017 ft^3/s,12 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 740 ft^3/s, June 28, 2000, from peak flow computation, gage height 8.42 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 0.30 ft^3/s April 18, gage height 1.30 ft. No flow most of time.

E253 Canon de Valle above SR 501

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0*
2	0	0	0	0	0	0	0	0	0	0	0	0*
3	0	0	0	0	0	0	0	0	0	0	0	0*
4	0	0	0	0	0	0	0	0	0	0	0	0*
5	0	0	0	0	0	0	0	0	0	0	0	0*
6	0	0	0	0	0	0	0	0	0	0	0	0*
7	0	0	0	0	0	0	0	0	0	0	0	0*
8	0	0	0	0	0	0	0	0	0	0	0	0*
9	0	0	0	0	0	0	0	0	0	0	0	0*
10	0	0	0	0	0	0	0	0	0	0	0*	0*
11	0	0	0	0	0	0	0	0	0	0	0*	0*
12	0	0	0	0	0	0	0	0	0	0*	0*	0*
13	0	0	0	0	0	0	0	0	0	0*	0*	0*
14	0	0	0	0	0	0	0	0	0	0*	0*	0*
15	0	0	0	0	0	0	0	0	0	0*	0*	0*
16	0	0	0	0	0	0	0	0	0	0	0*	0*
17	0	0	0	0	0	0	.07	0	0	0	0*	0*
18	0	0	0	0	0	0	.19	0	0	0	0*	0*
19	0	0	0	0	0	0	.13	0	0	0	0*	0*
20	0	0	0	0	0	0	.09	0	0	0	.70*	0*
21	0	0	0	0	0	0	.05	0	0	0	0*	0*
22	0	0	0	0	0	0	.02	0	0	0	0*	0*
23	0	0	0	0	0	0	0	0	0	0	0*	0*
24	0	0	0	0	0	0	0	0	0	0	0*	0*
25	0	0	0	0	0	0	0	0	0	0	0*	0*
26	0	0	0	0	0	0	0	0	0	0	0*	0*
27	0	0	0	0	0	0	0	0	0	0	0*	0*
28	0	0	0	0	0	0	0	0	0	0	0*	0*
29	0	0	0	0	0	0	0	0	0	0	0*	0*
30	0	0	0	0	------	0	0	0	0	0	0*	0*
31	0	------	0	0	------	0	------	0	------	0	0*	------
Total	0	0	0	0	0	0	0.55	0	0	0	0.70	0
Mean	0	0	0	0	0	0	.018	0	0	0	.023	0
Max	0	0	0	0	0	0	.19	0	0	0	.70	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	1.1	0	0	0	1.4	0

Wtr Year	2004	Total	1.25	Mean	.003	Max	.70	Min	0	Acre-Ft	2.5
Cal Year	2003	Total	0.04	Mean	0	Max	.03	Min	0	Acre-Ft	.08

*Estimated

E256 Cañon de Valle below MDA-P

Location. Lat. 35°51'01", Long 106°19'57", T.19 N, R 6 E, Ramon Vigil Grant Los Alamos County, on right bank, 2.0 mi northwest of DX, and 2.1 mi west of SR 501.

Drainage Area. 3.25 mi^2

Period of Record. January 24, 2002, to September 30, 2004

Gage. Data Logger with cellular telemetry and 2 ft Parshall flume. Elevation of gage is 7,330 ft. above *NGVD*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 18 ft^3/s, June 21, 2002, gage height 1.79 ft. No flow most of time.

Extremes for 2002 Water Year (partial). Maximum discharge 18 ft^3/s, at 2320 h, June 21, 2002, gage height 1.79 ft. No flow most of time.

Extremes for 2003 Water Year. Maximum discharge 0.02 ft^3/s. Gage height not determined. No flow most of time.

Extremes for Current Year. Maximum discharge 13 ft^3/s at 1710 h, Aug. 20, gage height 1.36 ft. No flow most of time.

E256 Cañon del Valle below MDA-P

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	0	0	0	0	0	.01	0
2					0	0	0	0	0	0	0	0
3					0	0	0	0	0	0	.01	0
4					0	0	0	0	0	0	.01	.02
5					0	0	0	0	0	0	.01	0
6					0	0	0	0	0	0	.01	.01
7					0	0	0	0	0	0	.01	.01
8					0	0	0	0	0	0	.01	.01
9					0	0	0	0	0	0	.01	.02
10					0	0	0	0	0	0	.01	.18
11					0	0	0	0	0	0	.01	.02
12					0	0	0	0	0	0	.01	.02
13					0	0	0	0	0	0	0	.02
14					0	0	0	0	0	.19	0	.02
15					0	0	0	0	0	0*	0	.01
16					0	0	0	0	0	0*	0	.01
17					0	0	0	0	0	0*	0	.01
18					0	0	0	0	0	0*	0	.01
19					0	0	0	0	0	0*	0	0
20					0	0	0	0	0	0*	0	0
21					0	0	0	0	.38	0*	0	.01
22					0	0	0	0	.43	.01	0	.01
23					0	0	0	0	0	.02	0	0
24				0	0	0	0	0	0	.01	0	0
25				0	0	0	0	0	0	.02	0	0
26				0	0	0	0	0	0	.01	0	0
27				0	0	0	0	0	0	.01	0	0
28				0	0	0	0	0	0	.01	0	0
29				0	------	0	0	0	0	.01	0	0
30				0	------	0	0	0	0	0	0	0
31		------		0	------	0	------	0	------	.01	0	------
Total				0	0	0	0	0	0.81	0.30	0.11	0.39
Mean				0	0	0	0	0	.027	.010	.004	.013
Max				0	0	0	0	0	.43	.19	.01	.18
Min				0	0	0	0	0	0	0	0	0
Acre-Ft				0	0	0	0	0	1.6	.6	.2	.8

Wtr Year	2002	Total	1.61	Mean	.006	Max	.43	Min	0	Acre-Ft	3.2
Cal Year	2001	Total		Mean		Max		Min		Acre-Ft	

*Estimated

E256 Cañon del Valle below MDA-P

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	.01*	0	0	0	0	.01
2	0	0	0	0	0	0	.01*	0	0	0	0	.01
3	0	0	0	0	0	0	.01*	0	0	0	0	.01
4	0	0	0	0	0	0	.01*	0	0	0	0	.01
5	0	0	0	0	0	0	.01*	0	0	0	0	.01
6	0	0	0	0	0	0	.01*	0	0	0	0	.01
7	0	0	0	0	0	0	.01*	0	0	0	0	.01
8	0	0	0	0	0	0	.01*	0	0	0	0	.01
9	0	0	0	0	0	0	.01*	0	0	0	.01	.01
10	0	0	0	0	0	0	.01*	0	0	0	.01	.01
11	0	0	0	0	0	0	.01*	0	0	0	.01	0
12	0	0	0	0	0	0	.01*	0	0	0	.01	0
13	0	0	0	0	0	0	.01*	0	0	0	.01	.01
14	0	0	0	0	0	0	.01*	0	0	0	.01	0
15	0	0	0	0	0	0	.01*	0	0	0	0	0
16	0	0	0	0	0	0	.01*	0	0	0	0	0
17	0	0	0	0	0	0	.01*	0	0	0	0	0
18	0	0	0	0	0	0	.01*	0	0	0	0	0
19	0	0	0	0	0	0	.01*	0	0	0	.01	0
20	0	0	0	0	0	0	.01*	0	0	0	.01	0
21	0	0	0	0	0	0	.01*	0	0	0	.01	0
22	0	0	0	0	0	0	.01*	0	0	0	.01	0
23	0	0	0	0	0	0	.01*	0	0	0	.01	0
24	0	0	0	0	0	0	0	0	0	0	.01	0
25	0	0	0	0	0	0	0	0	0	0	.01	0
26	0	0	0	0	0	0	0	0	0	0	.01	0
27	0	0	0	0	0	0	0	0	0	0	.01	0
28	0*	0	0	0	0	0	0	0	0	0	.01	0
29	0	0	0	0	------	.01*	0	0	0	0	.02	0
30	0	0	0	0	------	.01*	0	0	0	0	.01	0
31	0	------	0	0	------	.01*	------	0	------	0	.01	------
Total	0	0	0	0	0	0.03	0.23	0	0	0	0.20	0.11
Mean	0	0	0	0	0	.001	.008	0	0	0	.007	.004
Max	0	0	0	0	0	.01	.01	0	0	0	.02	.01
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	.06	.5	0	0	0	.4	.2

Wtr Year	2003	Total	0.57	Mean	.002	Max	.02	Min	0	Acre-Ft	1.1
Cal Year	2002	Total	1.61	Mean	.005	Max	.43	Min	0	Acre-Ft	3.2

* Estimated

E256 Cañon del Valle below MDA-P

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0*	0*	0	0	0	0	0	0*	0	0	0
2	0*	0*	0*	0*	0	0	0	0	0	0	0	0
3	0*	0*	0*	0*	0	0	0	0	.01	0	0	0
4	0*	0*	0*	0	0	0	0	0	.01	0	0	.01
5	0*	0*	0*	0	0	0	0	0	0	0	0	0
6	0*	0*	0*	0	0	0	0	0	0	0	0	0
7	0*	0*	0*	0	0	0	0	0	0	0	0	0
8	0*	0*	0*	0	0	.17	0	0	0	0	0	0
9	0*	0*	0*	0*	0	.03	0	0	0	0	0	0
10	0*	0*	0*	0*	0	.02	0	0	0	0	0	0
11	0*	0*	0*	0	0	.01	0	0	0	0	.04	0
12	0*	0*	0*	0	0	.02	0	0	0	.01	0	0
13	0*	0*	0*	0	0	.03	0	0	0	0	0	0
14	0*	0*	0*	0	0	.02	0	0*	0	0	0	0
15	0*	0*	0*	0	0	.01	0	0*	0	0	0	0
16	0*	0*	0*	0	0	0	0	0*	0	0	0	0
17	0*	0*	0*	0*	0	0	0	0*	0	0	0	0
18	0*	0*	0*	0*	0	0	0	0*	0	0	.01	0
19	0*	0*	0*	0*	0	0	0	0*	0	0	0	0
20	0*	0*	0*	0*	0	0	0	0*	0	0	.50	0
21	0*	0*	0*	0*	0	0	0	0*	0	0	.05	0
22	0*	0*	0*	0*	0	0	0	0*	0	0	.02	0
23	0*	0*	0*	0*	.02	0	0	0*	0	.02	.02	0
24	0*	0*	0*	0*	0	0	0	0*	0	.16	.01	0
25	0*	0*	0*	0*	0	0	0	0*	0	.03	.01	0
26	0*	0*	0*	0*	0	0	0	0*	0	.02	0	0
27	0*	0*	0*	0*	0	0	0	0*	0	.04	0	.03
28	0*	0*	0*	0*	0	0	0	0*	0	.03	0	0
29	0*	0*	0	0*	0	0	0	0*	.01	.02	0	0
30	0*	0*	0	0*	------	0	0	0*	0	.01	.01	0
31	0*	------	0	0	------	0	------	0*	------	.01	0	------
Total	0	0	0	0	0.02	0.31	0	0	0.03	0.35	0.67	0.04
Mean	0	0	0	0	.001	.010	0	0	.001	.011	.022	.001
Max	0	0	0	0	.02	.17	0	0	.01	.16	.50	.03
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	.04	.6	0	0	.06	.7	1.3	.06

Wtr Year	2004	Total	1.42	Mean	.004	Max	.50	Min	0	Acre-Ft	2.8
Cal Year	2003	Total	0.31	Mean	.001	Max	.02	Min	0	Acre-Ft	.6

*Estimated

E262 Cañon de Valle above Water

Location. Lat 35°49'52", long 106°18'14", in Ramon Vigil Grant, Los Alamos County, on right bank 200 ft above confluence with Water Canyon, 1.6 mi upstream from E262.5 and 4.2 mi upstream from NM SR 4.

Drainage Area. 4.14 mi^2.

Period of Record. October 1998 to September 30, 2004.

Gage. Data logger with cellular telemetry and 90° weir plate. Elevation of gage is 6,840 ft above *NGVD*.

Remarks. Records good.

Extremes for Period of Record. Maximum discharge 63 ft^3/s, Aug. 20, 2004, gage height 4.10 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 63 ft^3/s at 1655 h, August 20, gage height 4.10 ft. No flow most of time.

E262 Cañon De Valle above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	.56	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	2.1	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	.69	0	0
24	0	0	0	0	0	0	0	0	0	.05	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0.74	2.66	0
Mean	0	0	0	0	0	0	0	0	0	.024	.086	0
Max	0	0	0	0	0	0	0	0	0	.69	2.1	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	1.5	5.3	0

Wtr Year	2004	Total	3.40	Mean	.009	Max	2.1	Min	0	Acre-Ft	6.7
Cal Year	2003	Total	0.48	Mean	.001	Max	.45	Min	0	Acre-Ft	1

E2625 Water below MDA-AB

Location. Lat 35°49'31", long 106°17'03", in Ramon Vigil Grant, Los Alamos County, on left bank 1.6 mi downstream from E262, 2.6 mi upstream from NM SR 4, and 4.6 mi northeast of Pajarito Road junction.

Drainage Area. 11.3 mi^2.

Period of Record. May 1 to September 30, 2004.

Gage. Data logger with cellular telemetry and 90° weir plate. Elevation of gage is 6,580 ft above *NGVD*.

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

Extremes for Period of Record. Maximum discharge 195 ft^3/s, Aug. 20, 2004, gage height 4.30 ft; no flow most of time.

Extremes for Current Water Year. Maximum discharge 195 ft^3/s at 1745 h, August 20, gage height, 4.30 ft. No flow most of time.

E2625 Water below MDA AB

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0*
6	0	0	0	0	0	0	0	0	0	0	0	0*
7	0	0	0	0	0	0	0	0	0	0	0	0*
8	0	0	0	0	0	0	0	0	0	0	0	0*
9	0	0	0	0	0	0	0	0	0	0	0	0*
10	0	0	0	0	0	0	0	0	0	0	0	0*
11	0	0	0	0	0	0	0	0	0	0	.20	0*
12	0	0	0	0	0	0	0	0	0	0	.06	0*
13	0	0	0	0	0	0	0	0	0	0	0*	0*
14	0	0	0	0	0	0	0	0	0	0	0*	0*
15	0	0	0	0	0	0	0	0	0	0	0*	0*
16	0	0	0	0	0	0	0	0	0	0	0*	0*
17	0	0	0	0	0	0	0	0	0	0	0*	0*
18	0	0	0	0	0	0	0	0	0	0	0	0*
19	0	0	0	0	0	0	0	0	0	0	.05	0*
20	0	0	0	0	0	0	0	0	0	0	4.0	0*
21	0	0	0	0	0	0	0	0	0	0	.21	0*
22	0	0	0	0	0	0	.01	0	0	0	0	0*
23	0	0	0	0	0	0	.01	0	0	.36	0	0*
24	0	0	0	0	0	0	.01	0	0	.30	0	0*
25	0	0	0	0	0	0	0	0	0	0	0	0*
26	0	0	0	0	0	0	0	0	0	0	0	0*
27	0	0	0	0	0	0	0	0	0	0	0	0*
28	0	0		0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0.03	0	0	0.66	4.52	0
Mean	0	0	0	0	0	0	.001	0	0	.021	.15	0
Max	0	0	0	0	0	0	.01	0	0	.36	4.0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	.06	0	0	1.3	9.0	0

Wtr Year	2004	Total	5.21	Mean	.014	Max	4.0	Min	0	Acre-Ft	10
Cal Year	2003	Total	0.28	Mean	.001	Max	.18	Min	0	Acre-Ft	.6

*Estimated

E263 Water at SR 4

Location. Lat 35°48'20.0", long 106°14'52.0" in Ramon Vigil Grant, Los Alamos County, on right bank 50 ft downstream from NM SR 4, 150 ft above mouth of Indio Canyon, and 4.0 mi southwest of White Rock, NM.

Drainage Area. 12.3 mi^2.

Period of Record. April 1999 to September 30, 2004.

Revised Records. LA-13905-PR: Drainage area.

Gage. Data logger with cellular telemetry. Elevation of gage is 6,368 ft above *NGVD*, from GPS survey.

Remarks. Water discharge records good except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 306 ft^3/s, June 28, 2000, gage height 3.78 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 147 ft^3/s at 1830 h, August 20, gage height 2.66 ft. No flow most of time.

E263 Water at SR 4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0*	0*	0	0	0*	0*	0
2	0	0	0	0	0	0*	0*	0	0	0*	0*	0
3	0	0	0	0	0	0*	0*	0	0	0*	0*	0
4	0	0	0	0	0	0*	0*	0	0	0*	0*	0
5	0	0	0	0	0	0*	0*	0	0	0*	0*	0
6	0	0	0	0	0	0*	0*	0	0	0*	0*	0
7	0	0	0	0	0	0*	0*	0	0	0*	0*	0
8	0	0	0	0	0	0*	0*	0	0	0*	0*	0
9	0	0	0	0	0	0*	.70*	0	0	0*	0*	0
10	0	0	0	0	0	0*	1.0*	0	0	0*	0*	0
11	0	0	0	0	0	0*	.75*	0	0	0*	.90*	0
12	0	0	0	0	0	0*	1.0*	0	0	0*	0	0
13	0	0	0	0	0	0*	1.0*	0	0	0*	0	0
14	0	0	0	0	0	0*	1.1	0	0	0*	0	0
15	0	0	0	0	0	0*	.57	0	0	0	0	0
16	0	0	0	0	0	0*	.41	0	0	0	0	0
17	0	0	0	0	0	0*	.18	0	0	0	0	0
18	0	0	0	0	0*	0*	0	0	0	0	0	0
19	0	0	0	0	0*	0*	0	0	0	0	.09	0
20	0	0	0	0	0*	0*	0	0	0	0	9.1	0
21	0	0	0	0	0*	0*	0	0	0	0	3.1	0
22	0	0	0	0	0*	0*	0	0	0*	0	.15	0
23	0	0	0	0	0*	0*	0	0	0*	1.2	0	0
24	0	0	0	0	0*	0*	0	0	0*	0*	0	0
25	0	0	0	0	0*	0*	0	0	0*	0*	0	0
26	0	0	0	0	0*	0*	0	0	0*	0*	0	0
27	0	0	0	0	0*	0*	0	0	0*	0*	0	0
28	0	0	0	0	0*	0*	0	0	0*	0*	0	0
29	0	0	0	0	0*	0*	0	0	0*	0*	0	0
30	0	0	0	0	------	0*	0	0	0*	0*	0	0
31	0	------	0	0	------	0*	------	0	------	0*	0	------
Total	0	0	0	0	0	0	6.71	0	0	1.2	13.34	0
Mean	0	0	0	0	0	0	.22	0	0	.039	.43	0
Max	0	0	0	0	0	0	1.1	0	0	1.2	9.1	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	1.3	0	0	2.4	26	0

Wtr Year	2004	Total	21.25	Mean	.058	Max	9.1	Min	0	Acre-Ft	42
Cal Year	2003	Total	1.34	Mean	.004	Max	.62	Min	0	Acre-Ft	2.7

*Estimated

E265 Water below SR 4

Location. Lat 35°48'17.7", long 106°14'31.6" in Ramon Vigil Grant, Los Alamos County, on left bank 0.4 mi downstream from NM SR 4, and 4.0 mi southwest of White Rock.

Drainage Area. 13.0 mi^2.

Period of Record. October 1993 through September 30, 2004.

Revised Records. LA-13905-PR: Drainage area.

Gage. Data logger with cellular telemetry and stabilized natural rock control. Elevation of gage is 6,314 ft above *NGVD,* from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Average Discharge. 10 years, 0.03 ft^3/s, 22 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 274 ft^3/s, gage height 5.13 ft (from floodmark), June 28, 2000. No flow most of time.

Extremes for Current Water Year. Maximum discharge 100 ft^3/s, 1830 h, August 20, gage height 2.30 ft (from floodmark). No flow most of time.

E265 Water below SR-4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0	0	0	0	0	0	0	0*	0*	0	0
2	0*	0	0	0	0	0	0	0	0*	0*	0	0
3	0*	0	0	0	0	0	0	0	0*	0*	0	0
4	0*	0	0	0	0	0	0	0	0*	0*	0	0
5	0*	0	0	0	0	0	0	0*	0*	0*	0*	0
6	0*	0	0	0	0	0	0	0*	0*	0*	0*	0
7	0*	0	0	0	0	0	0	0*	0*	0*	0	0
8	0*	0	0	0	0	0	.60	0*	0*	0*	0	0
9	0*	0	0	0	0	0	1.0	0*	0*	0*	0	0
10	0*	0	0	0	0	0	.71	0*	0*	0*	0	0
11	0*	0	0	0	0	0	.98	0*	0*	0*	.71	0
12	0*	0	0	0	0	0	.99	0*	0*	0*	.01	0
13	0*	0	0	0	0	0	1.1	0*	0*	0*	0	0
14	0	0	0	0	0	0	.92	0*	0*	0*	0	0
15	0	0	0	0	0	0	.73	0*	0*	0*	0	0
16	0	0	0	0	0	0	.61	0*	0*	0	0	0
17	0	0	0	0	0	0	.50	0*	0*	0	0	0
18	0	0	0	0	0	0	.26	0*	0*	0	0	0
19	0	0	0	0	0	0	.10	0*	0*	0	.02	0
20	0	0	0	0	0	0	.02	0*	0*	0	5.5	0
21	0	0	0	0	0	0	0	0*	0*	0	2.5	0
22	0	0	0	0	0	0	0	0*	0*	0	.04	0
23	0	0	0	0	0	0	0	0*	0*	1.0*	0	0
24	0	0	0	0	0	0	0	0*	0*	0	0	0
25	0	0	0	0	0	0	0	0*	0*	0	0	0
26	0	0	0	0	0	0	0	0*	0*	0	0	0
27	0	0	0	0	0	0	0	0*	0*	0	0	0
28	0	0	0	0	0	0	0	0*	0*	0	0	0
29	0	0	0	0	0	0	0	0*	0*	0	0	0
30	0	0	0	0	------	0	0	0*	0*	0	0	0
31	0	------	0	0	------	0	------	0*	------	0	0	------
Total	0	0	0	0	0	0	8.52	0	0	1.0	8.78	0
Mean	0	0	0	0	0	0	.28	0	0	.032	.28	0
Max	0	0	0	0	0	0	1.1	0	0	1.0	5.5	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	17	0	0	2.0	17	0

Wtr Year	2004	Total	18.30	Mean	.050	Max	5.5	Min	0	Acre-Ft	36
Cal Year	2003	Total	1.24	Mean	.003	Max	.60	Min	0	Acre-Ft	2.5

*Estimated

E267 Potrillo above SR-4

Location. Lat 35°48'48", long 106°14'00", in Ramon Vigil Grant, Los Alamos County, on left bank 0.25 mi upstream from NM SR 4 and 2.0 mi southwest of White Rock.

Drainage Area. 2.25 mi^2.

Period of Record. October 1993 to September 30, 2004.

Revised Records. LA-13551-PR (1998): Station number.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,458 ft above *NGVD,* from GPS survey.

Remarks. Water discharge records good.

Average Discharge. 10 years, 0.004 ft^3/s, 2.9 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 63 ft^3/s, August 29, 1995, gage height 2.70 ft (from slope-area determination). No flow most of time.

Extremes for Current Water Year. No flow all year.

E267 Potrillo above SR-4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2004	Total	0	Mean	0	Max	0	Min	0	Acre-Ft	0
Cal Year	2003	Total	7.55	Mean	.021	Max	3.0	Min	0	Acre-Ft	15

E275 Ancho below SR 4

Location. Lat 35°46'54.2", long 106°14'41.9", in Ramon Vigil Grant, Los Alamos County, 0.3 mi downstream from NM SR 4, and 5.5 mi southwest of White Rock.

Drainage Area. 4.55 mi^2.

Period of Record. December 1993 to September 30, 2004.

Gage. Data logger with cellular telemetry and concrete stabilized natural control. Elevation of gage is 6,198 ft above *NGVD,* from GPS survey.

Remarks. Water discharge records good.

Average Discharge. 9 years, 0.011 ft^3/s, 8.0 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 534 ft^3/s, gage height 2.74 ft, May 26, 2003. No flow most of time.

Extremes for Current Water Year. Maximum discharge 168 ft^3/s at 1400 h, August 10, gage height 197 ft. No flow most of time.

E275 Ancho below SR 4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	4.0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	------	0	0	0	0	0	0	0
31	0	------	0	0	------	0	------	0	------	0	0	------
Total	0	0	0	0	0	0	0	0	0	0	4.0	0
Mean	0	0	0	0	0	0	0	0	0	0	.13	0
Max	0	0	0	0	0	0	0	0	0	0	4.0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	0	0	0	0	0	0	0	0	0	0	7.9	0

Wtr Year	2004	Total	4.0	Mean	.011	Max	4.0	Min	0	Acre-Ft	7.9
Cal Year	2003	Total	19.2	Mean	.053	Max	13	Min	0	Acre-Ft	38

E350 Rio de los Frijoles at Bandelier

Location. Lat 35°46'37.0", long 106°16'9.6", Ramon Vigil Grant, Sandoval County, in Bandelier National Monument, on right bank 800 ft downstream from Monument Headquarters, 6.5 mi south of Los Alamos, 18.5 mi northwest of Santa Fe, and at river mile 2.0.

Drainage Area. 18.16 mi^2.

Period of Record. July 1963 to September 1969; July 1977 to September 1982; May 1993 to September 1996; and October 1998 to September 30, 2004.

Gage. Data logger and concrete control. Elevation of gage is 6,046 ft above *NGVD,* from GPS Survey.

Remarks. Water discharge records good, except those for winter period, which are poor. One small diversion from left bank about 1.0 mi upstream for irrigation of small orchard. The La Mesa fire, which occurred during mid-June 1977, burned about 40% of the forest cover of this watershed.

Average Discharge. 6 years (1999–2004) 0.83 ft^3/s, 601 ac-ft/yr.

Extremes for Period of Record. Maximum discharge 3,030 ft^3/s, July 21, 1978, gage height 6.34 ft, site and datum then in use. Minimum daily discharge 0 ft^3/s, July 16–19 and 26, 2003.

Extremes for Current Water Year. Maximum discharge 42 ft^3/s at 1735 h, September 26, gage height 2.53 ft. Minimum daily 0.20 ft^3/s, February 13.

E350 Rito De Los Frijoles at Bandalier

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.80	.91	.99	.79	.99	1.2	1.8	.44	.30*	.32*	1.1*
2	.38	.81	.87	.95	.60*	1.1	1.5	1.7	.41	.28*	.28*	.80*
3	.52	.85	.87	.86	.82	1.2	1.9	1.5	.40	.27*	.36*	.60*
4	.78	.88	.83	.82	.88	1.3	2.5	1.4	.38	.25*	.43*	.45*
5	.60	.92	.80	.70*	.70*	1.2	2.3	1.3	.36	.27*	.45*	.35*
6	.54	.94	.81	.71	.60*	1.1	2.4	1.3	.37	.24*	.48*	.31*
7	.62	.95	.82	.70	.60*	1.2	2.4	1.2	.37	.25*	.54*	.35*
8	.80	.94	.92	.88	.31	1.2	3.5	1.2	.32	.27*	.48*	.30*
9	.64	.92	.88	.86	.40*	1.3	3.8	1.1	.31	.29*	1.2*	.27*
10	.59	.94	.74	.78	.40*	1.4	3.5	1.0	.31	.26*	.80*	.25*
11	.64	.93	.68	.80	.30*	1.4	3.8	1.0	.32	.32*	.64*	.30*
12	.62	1.0	.97	.76	.24	1.4	3.8	.97	.31	.37*	.42*	.35*
13	.60	1.4	.81	.76	.20*	1.4	3.6	.94	.30	.40*	.37*	.30*
14	.61	1.3	.77	.76	.41	1.4	3.7	.92	.27	.39*	.40*	.28*
15	.64	1.3	1.0	.78	.25	1.4	3.7	.90	.27*	.37*	.50*	.60*
16	.63	1.2	.83	.82	.23	1.4	3.6	.83	.27*	.38*	.45*	.40*
17	.62	1.2	.90	.79	.22	1.4	3.7	.79	.28*	.38*	.40*	.45*
18	.63	1.3	.77	.74	.24	1.4	3.8	.74	.32*	.35*	1.3*	.41*
19	.62	1.3	1.3	.74	.26	1.4	3.8	.70	.31*	.34*	1.7*	.37*
20	.62	1.3	1.6	.79	.24	1.4	3.9	.66	.30*	.36*	.78*	.40*
21	.61	1.3	.96	.82	.25	1.4	3.8	.64	.28*	.32*	.50*	.45*
22	.62	1.2	.90	.70*	.27	1.4	3.6	.63	.30*	.32*	.60*	1.2*
23	.65	.74	.88	.60*	.58	1.5	3.4	.61	.27*	.33*	.40*	.48*
24	.66	.46	1.0	.75*	1.1	1.4	3.2	.59	.26*	.31*	.35*	1.3*
25	.66	1.1	1.2	.83	1.1	1.4	2.9	.59	.28*	.29*	.32*	.60*
26	.69	1.1	.89	.50*	1.1	1.4	2.6	.58	.29*	.28*	.34*	1.0*
27	.78	1.3	.86	.60*	1.1	1.4	2.4	.54	.26*	.28*	.40*	.80*
28	.78	1.0	1.8	.52	1.1	1.4	2.2	.51	.28*	.27*	.36*	.70*
29	.76	.89	1.8	.85	1.0	1.4	2.0	.48	.26*	.26*	.50*	2.3*
30	.75	.95	1.2	.90*	------	1.3	1.9	.49	.28*	.25*	.40*	1.0*
31	.79	------	.80	.83	------	1.3	------	.48	------	.29*	.48*	------
Total	19.79	31.22	30.37	23.89	16.29	41.29	90.4	28.09	9.38	9.54	16.95	18.47
Mean	.64	1.04	.98	.77	.56	1.33	3.01	.91	.31	.31	.55	.62
Max	.80	1.4	1.8	.99	1.1	1.5	3.9	1.8	.44	.40	1.7	2.3
Min	.34	.46	.68	.50	.20	.99	1.2	.48	.26	.24	.28	.25
Acre-Ft	39	62	60	47	32	82	179	56	19	19	34	37

Wtr Year	2004	Total	335.68	Mean	.92	Max	3.9	Min	.20	Acre-Ft	666
Cal Year	2003	Total	255.72	Mean	.70	Max	1.8	Min	0	Acre-Ft	507

* Estimated

Spring Stations

S001 SWSC Line Spring at TA-16

Location. Lat 35°51'1", long 106°20'23", 30 ft upstream from the SWSC line crossing of Cañon de Valle in Laboratory TA-16.

Gage. Data logger with 90° weir. Elevation of gage is 7,437.0 ft above *NGVD*, from survey.

Period of Record. October 1, 1996, to September 30, 2004.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor. This spring is in the Cañon de Valle drainage.

S001 SWCS Line Spring at TA-16

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
2	.01*	0*	0*	0	0*	0*	0	0	0	0	0	0
3	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
4	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
5	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
6	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
7	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
8	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
9	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
10	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
11	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
12	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
13	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
14	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
15	0*	0*	0*	0	0*	0*	0	0	0	0	0	0
16	0*	0*		0	0*	0	0	0	0	0	0	0
17	0*	0*	0	0	0*	0	0	0	0	0	0	0
18	0*	0*	0	0	0*	0	0	0	0	0	0	0
19	0*	0*	0	0	0*	0	0	0	0	0	0	0
20	0*	0*	0	0*	0*	0	0	0	0	0	0	0
21	0*	0*	0	0*	0*	0	0	0	0	0	0	0
22	0*	0*	0	0*	0*	0	0	0	0	0	0	0
23	0*	0*	0	0*	0*	0	0	0	0	0	0	0
24	0*	0*	0	0*	0*	0	0	0	0	0	0	0
25	0*	0*	0*	0*	0*	0	0	0	0	0	0	0
26	0*	0*	0	0*	0*	0	0	0	0	0	0	0
27	0*	0*	0	0*	0*	0	0	0	0	0	0	0*
28	0*	0*	0	0	0*	0	0	0	0	0	0	0*
29	0*	0*	0	0	0*	0	0	0	0	0	0	0
30	0*	0*	0	0*	------	0	0	0	0	0	0	0
31	0*	------	0	0*	------	0	------	0	------	0	0	------
Total	0.01	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	.01	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Acre-Ft	.02	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2004	Total	0.01	Mean	0	Max	.01	Min	0	Acre-Ft	.02
Cal Year	2003	Total	0.01	Mean	0	Max	.01	Min	0	Acre-Ft	.02

*Estimated

S002 Burning Ground Spring at TA-16

Location. Lat 35°50'58", long 106°20'17", 150 yd downstream from the SWSC line crossing of Cañon de Valle in Laboratory TA-16.

Gage. Data logger with 90° weir. Elevation of gage is 7,420.8 ft above *NGVD* from survey.

Period of Record. October 1, 1996, to September 30, 2004.

Remarks. Water discharge records good, except for estimated daily discharge, which are poor. This spring is in the Cañon de Valle drainage.

S002 Burn Ground Spring at TA-16

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.007	.022	.007	.007	.009	.013	.022	.034	.015	.010	.010	.008
2	.013	.026	.007	.007	.009	.014	.022	.033	.015	.010	.010	.008
3	.019	.032	.008	.007	.008	.015	.022	.031	.015	.010	.010	.009
4	.009	.026	.007	.007	.008	.015	.022	.029	.015	.009	.010	.008
5	.009	.015	.006	.006	.008	.015	.023	.027	.013	.010	.010	.008
6	.010	.006	.007	.007	.008	.015	.024	.028	.013	.010	.010	.008
7	.011	.006	.007	.007	.009	.016	.024	.028	.013	.010	.010	.008
8	.009	.006	.007	.007	.008	.016	.025	.027	.012	.009	.010	.008
9	.008	.006	.006	.007	.008	.017	.025	.026	.012	.009	.009	.007
10	.008	.006	.007	.007	.008	.018	.026	.026	.011	.009	.009	.009
11	.008	.007	.007	.007	.008	.019	.027	.025	.011	.009	.009	.009
12	.009	.007	.006	.007	.008	.023	.028	.024	.011	.009	.009	.009
13	.010	.006	.006	.007	.011	.021	.029	.022	.012	.009	.009	.009
14	.010	.006	.007	.007	.011	.024	.030	.022	.012	.008	.009	.008
15	.017	.006	.007	.007	.008	.026	.030	.022	.012	.008	.008	.008
16	.026	.006	.007	.008	.008	.027	.031	.022	.012	.008	.009	.008
17	.026	.007	.009	.007	.008	.024	.032	.021	.011	.008	.009	.008
18	.028	.006	.007	.007	.008	.022	.031	.021	.011	.009	.010	.009
19	.029	.007	.007	.007	.008	.026	.032	.020	.011	.008	.011	.009
20	.027	.007	.007	.008	.008	.026	.033	.020	.011	.009	.011	.010
21	.023	.007	.008	.007	.009	.026	.036	.020	.011	.008	.011	.009
22	.020	.007	.010	.007	.008	.026	.038	.020	.011	.008	.011	.008
23	.023	.006	.010	.008	.009	.026	.039	.019	.011	.009	.010	.009
24	.027	.007	.007	.009	.009	.025	.040	.018	.011	.009	.010	.009
25	.027	.007	.008	.007	.009	.026	.041	.019	.011	.010	.009	.008
26	.027	.007	.008	.008	.009	.032	.041	.019	.011	.010	.009	.008
27	.019	.008	.009	.009	.009	.032	.041	.018	.010	.010	.009	.007
28	.016	.007	.009	.011	.009	.030	.040	.017	.010	.010	.009	.008
29	.017	.007	.012	.010	.010	.036	.038	.016	.010	.010	.009	.008
30	.019	.006	.011	.009	------	.028	.035	.015	.011	.010	.009	.008
31	.021	------	.008	.009	------	.022	------	.015	------	.010	.009	------
Total	0.532	0.285	0.239	0.235	0.250	0.701	0.927	0.704	0.355	0.285	0.297	0.250
Mean	.017	.010	.008	.008	.009	.023	.031	.023	.012	.009	.010	.008
Max	.029	.032	.012	.011	.011	.036	.041	.034	.015	.010	.011	.010
Min	.007	.006	.006	.006	.008	.013	.022	.015	.010	.008	.008	.007
Acre-Ft	1.055	.565	.474	.466	.496	1.390	1.839	1.396	.704	.565	.589	.496

Wtr Year	2004	Total	5.060	Mean	.014	Max	.041	Min	.006	Acre-Ft	10.04

S003 Martin Spring at TA-16

Location. Lat 35°50'32", long 106°20'11", 0.25 mi south of building 344 in Laboratory TA-16.

Gage. Data logger with 90° weir. Elevation of gage is 7,429.5 ft above *NGVD*, from survey.

Period of Record. October 1, 1996, to September 30, 2004.

Remarks. Water discharge records good. This spring is in the Water Canyon drainage.

S003 Martin Spring at TA-16

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2003 to September 2004

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	.004	.006	.005	0	0	.005	.005
2	0	0	0	0	0	.004	.006	.005	0	0	.005	.005
3	0	0	0	0	0	.004	.006	.006	0	0	.004	.005
4	0	0	0	0	0	.004	.007	.006	0	0	.004	.005
5	0	0	0	0	0	.004	.009	.005	0	0	.004	.005
6	0	0	0	0	0	.004	.010	.005	0	0	.004	.005
7	0	0	0	0	0	.004	.011	.004	0	0	.004	.004
8	0	0	0	0	0	.005	.012	.004	0	0	.003	.004
9	0	0	0	0	0	.005	.009	.003	0	0	.003	.003
10	0	0	0	0	0	.006	.011	.001	0	0	.004	.003
11	0	0	0	0	0	.006	.010	.001	0	0	.005	.004
12	0	0	0	0	0	.007	.010	0	0	0	.006	.004
13	0	0	0	0	0	.007	.010	0	0	0	.006	.003
14	0	0	0	0	0	.007	.010	0	0	0	.004	.003
15	0	0	0	0	0	.007	.011	0	0	0	.003	.003
16	0	0	0	0	0	.007	.011	0	0	0	.002	.003
17	0	0	0	0	0	.007	.010	0	0	0	.001	.003
18	0	0	0	0	0	.007	.008	0	0	0	.002	.003
19	0	0	0	0	0	.007	.009	0	0	0	.001	.004
20	0	0	0	0	0	.007	.009	0	0	0	.003	.003
21	0	0	0	0	0	.007	.009	0	0	0	.005	.003
22	0	0	0	0	0	.007	.009	0	0	0	.005	.003
23	0	0	0	0	0	.007	.009	0	0	0	.005	.004
24	0	0	0	0	0	.007	.010	0	0	0	.005	.004
25	0	0	0	0	0	.008	.009	0	0	.004	.005	.004
26	0	0	0	0	0	.009	.008	0	0	.005	.005	.003
27	0	0	0	0	.001	.007	.006	0	0	.004	.005	.003
28	0	0	0	0	.003	.007	.005	0	0	.004	.005	.003
29	0	0	0	0	.004	.006	.004	0	0	.005	.004	.003
30	0	0	0	0	------	.006	.004	0	0	.005	.005	.003
31	0	------	0	0	------	.006	------	0	------	.005	.005	------
Total	0	0	0	0	0.008	0.190	0.258	0.045	0	0.032	0.127	0.110
Mean	0	0	0	0	0	.006	.009	.001	0	.001	.004	.004
Max	0	0	0	0	.004	.009	.012	.006	0	.005	.006	.005
Min	0	0	0	0	0	.004	.004	0	0	0	.001	.003
Acre-Ft	0	0	0	0	.016	.377	.512	.089	0	.063	.252	.218

Wtr Year	2004	Total	0.770	Mean	.002	Max	.012	Min	0	Acre-Ft	1.527
Cal Year	2003	Total	0.859	Mean	.002	Max	.005	Min	0	Acre-Ft	1.704

Peak Flow Section

Peak Flow Section

We have listed the peaks for the period of record for the stations listed here. We chose a value as a minimum (typically 5 to 10 ft^3/s), although there is variation. That "base" discharge should yield (about) three peaks per year. This is not a hard rule, just a guideline. If the table does not seem to coincide with the period of record on station manuscripts, it means those earlier years listed produced no peaks above the minimum value listed on the table.

The minimum time between peaks is 12 h. That is, once the stream receded from peak flow, it was below that level for 12 h. This enhances the individuality of the peak flows and eliminates any secondary peaks from the same rain event. It also smoothes peak selection during snowmelt runoff periods.

Stations in this section are as follows:

E030 Los Alamos above DP Canyon
E040 DP above Los Alamos Canyon
E042 Los Alamos above SR 4
E060 Pueblo above SR 502
E125 Sandia above SR 4
E200 Mortandad below Effluent Canyon
E225 Cañada del Buey near MDA-G
E230 Cañada del Buey above SR 4
E240 Pajarito below SR 501
E245 Pajarito above TA-18
E250 Pajarito above SR 4
E252 Water above SR 501
E253 Cañon de Valle above SR 501
E265 Water below SR 4
E267 Potrillo above SR 4
E275 Ancho below SR 4

E030 Los Alamos above DP Canyon

Period Starting	00:00_10/01/1994
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft	Q ft^3/s
16:25_05/29/1995	1.46	10
16:15_08/26/1995	1.49	11
17:15_07/09/1999	1.60	13
18:05_06/02/2000	1.60	13
15:40_10/23/2000	1.85	26
18:05_10/25/2000	1.94	32
19:55_07/02/2001	2.02	30
20:00_07/26/2001	1.74	17
17:05_08/09/2001	2.39	60
19:20_08/16/2001	1.99	28
00:25_06/22/2002	2.88	124
15:05_05/20/2003	1.45	11
11:50_05/21/2003	1.44	10
15:10_08/23/2003	1.68	15
20:55_07/24/2004	1.66	14

E040 DP above Los Alamos Canyon

Period Starting	00:00_10/01/2000
Ending	00:00_09/30/2004
Minimum Value	10.00

Time	stage ft	Q ft^3/s
16:40_07/25/2000	3.69	117
14:45_10/23/2000	3.08	15
18:10_10/27/2000	3.36	25
13:35_06/27/2001	3.20	19
19:15_07/02/2001	3.56	33
14:35_08/04/2001	2.93	12
00:00_06/22/2002	3.57	90
15:30_08/23/2003	3.32	51
04:20_04/08/2004	3.03	24
18:40_07/18/2004	3.07	27
--:--_07/24/2004	3.85*	160
16:50_08/20/2004	3.63	49

*From floodmarks

E042 Los Alamos above SR-4

Period Starting	00:00_10/01/1994
Ending	24:00_09/30/2004
Minimum Value	25.00

Time	stage ft.	Q ft^3/s
00:25_10/15/1994	2.21	56
12:55_11/12/1994	2.09	34
16:35_05/29/1995	2.25	51
08:45_07/18/1995	2.04	28
14:50_08/18/1996	2.11	35
15:30_05/20/1997	2.28	55
18:45_06/07/1997	2.13	37
09:05_08/04/1997	2.06	31
10:10_08/05/1997	2.08	32
19:40_08/22/1997	2.38	171
22:45_09/20/1997	2.07	31
16:20_08/06/1999	2.27	34
14:05_08/10/1999	2.18	26
22:35_09/16/1999	2.17	33
23:10_10/23/2000	2.14	38
19:35_10/27/2000	2.31	59
20:40_07/02/2001	2.52	91
12:10_07/05/2001	2.13	37
02:10_07/14/2001	2.05	29
20:30_07/26/2001	2.24	50
18:45_08/05/2001	2.05	29
17:45_08/09/2001	2.83	146
20:00_08/16/2001	2.62	107
00:45_06/22/2002	2.90	160
16:00_08/23/2003	2.54	94
13:40_08/25/2003	2.54	94
21:45_07/24/2004	2.16	40

E060 Pueblo above SR-502

Period Starting	00:15_10/01/1996
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
00:05_07/09/1999	7.18	11
23:35_09/17/1999	7.12	10
01:55_08/03/2000	7.57	60
19:15_08/12/2000	7.04	13
20:10_09/08/2000	7.95	114
11:45_10/12/2000	6.94	11
00:15_10/24/2000	8.08	147
21:15_10/27/2000	7.44	39
20:00_07/02/2001	10.41	1440
20:15_07/26/2001	7.57	114
11:20_07/27/2001	6.35	16
17:15_08/04/2001	7.13	60
21:35_08/05/2001	6.68	28
11:30_08/06/2001	6.52	21
17:10_08/09/2001	8.30	244
10:45_08/10/2001	6.44	18
15:00_08/11/2001	8.25	231
10:25_08/13/2001	6.47	19
06:30_08/14/2001	6.71	29
20:35_08/16/2001	7.94	165
12:55_08/17/2001	6.64	25
10:40_08/20/2001	6.43	16
11:30_08/27/2001	6.39	14
11:25_08/31/2001	6.40	14
13:00_09/25/2001	6.42	13
01:00_06/22/2002	9.47	583
15:45_06/23/2002	7.22	22
10:55_06/24/2002	6.93	11
11:20_07/05/2002	6.95	11
19:35_07/06/2002	6.9	12
16:55_07/07/2002	7.07	16
13:50_07/08/2002	6.93	11
11:40_07/09/2002	7.86	73
22:00_07/18/2002	7.36*	30
01:30_07/26/2002	7.92*	80
21:45_07/31/2002	7.99*	90
14:50_08/09/2002	7.12	18
17:45_09/10/2002	7.34	28
11:10_09/13/2002	7.01	13
11:25_09/14/2002	6.97	11
10:50_09/23/2002	6.96	10
14:25_05/25/2003	7.77	62
19:00_05/26/2003	7.10	17
15:25_05/31/2003	7.18	20
23:20_08/11/2003	7.74	59
13:05_08/22/2003	7.99	90
16:20_08/23/2003	9.72	749
20:30_08/26/2003	7.49	38
18:15_09/06/2003	8.71	243
22:50_07/24/2004	9.11	504
17:30_07/27/2004	8.53	261
17:35_08/20/2004	7.57	40
13:35_09/22/2004	7.68	55

*Computed from strip chart

E125 Sandia above SR-4

Period Starting	00:00_10/01/1994
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
15:30_08/13/1995	1.75	11
12:45_09/08/1995	1.82	13
11:40_09/11/1995	2.17	22
13:55_08/13/1997	2.09	10
14:10_08/28/2002	2.01	18

E200 Mortandad below Effluent Canyon

Period Starting	00:00_10/01/1994
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
18:40_09/07/1995	2.23	13
13:40_08/13/1997	2.39	18
21:45_08/17/1997	3.12	42
06:25_03/09/1998	2.16	14
13:25_07/28/1998	2.09	13
17:50_08/13/1998	2.20	15
13:45_08/19/2000	2.04	12
18:15_10/27/2000	2.02	11
12:50_06/27/2001	3.26	49
18:40_07/02/2001	1.96	11
18:40_08/16/2001	2.40	18
20:00_08/31/2001	1.89	10
00:20_06/22/2002	2.16	14
13:45_05/25/2003	2.09	12
01:45_07/20/2003	1.98	10
14:00_08/23/2003	2.73	24
20:30_07/24/2004	2.70	23

E225 Cañada Del Buey near MDA-G

Period Starting	00:00_10/01/1994
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
13:15_09/08/1995	2.71	17
20:00_08/25/2003	2.67	16

E230 Cañada Del Buey above SR-4

Period Starting	00:00_10/01/1993
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
17:05_07/28/1994	2.36	110
18:00_08/02/1994	1.15	22
15:00_11/03/1994	1.76	61
14:30_11/12/1994	1.01	14
13:40_07/12/1995	2.22	98
14:10_08/02/1995	1.30	33
14:55_08/12/1995	1.21	27
15:20_08/13/1995	1.26	30
09:25_08/17/1995	1.22	27
13:55_08/29/1995	1.85	59
19:00_09/07/1995	1.97	75
13:15_09/08/1995	1.77	60
14:30_09/14/1995	1.14	19
10:15_05/07/1996	2.25	100
02:45_06/29/1996	1.56	39
22:30_07/08/1996	1.53	37
14:15_07/17/1996	1.72	57
21:35_08/17/1997	1.10	16
14:15_07/28/1998	1.43	46
20:30_09/29/1998	1.83	63
14:20_05/28/1999	2.17	92
17:55_06/13/1999	0.55	18
15:30_06/17/1999	3.30	210
16:45_06/21/1999	1.04	12
19:10_08/27/1999	1.87	66
14:40_09/06/1999	1.41	36
21:35_09/16/1999	1.47	41
20:20_08/09/2000	1.37	33
17:15_08/18/2000	1.33	30
14:10_08/28/2002	2.92	168
14:55_09/09/2002	1.44	42
19:00_10/26/2002	0.94	12
17:05_05/26/2003	2.25	100
19:50_08/25/2003	1.81	64

E240 Pajarito below SR-501

Period Starting	00:00_10/07/1994
Ending	24:00_09/30/2004
Minimum Value	2.00

Time	stage ft.	Q ft^3/s
13:00_10/02/1995	0.77	2.1
--:--_06/28/2000	nd	1070
17:40_07/26/2001	1.43	54
17:00_08/05/2001	0.61	4.3
23:10_08/07/2001	0.80	112
15:00_08/09/2001	2.32	154
21:50_06/21/2002	2.45	173
14:55_08/08/2002	0.59	3.8
--:--_08/23/2003	1.50	61
--:--_04/15/2004	nd*	2.0

*not determined

E245 Pajarito above TA-18

Period Starting	00:00_10/07/1994
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
17:10_05/29/1995	1.86	15
15:00_08/29/1995	2.24	24
16:35_07/17/1996	2.39	27
21:50_08/17/1997	2.52	30
17:45_09/03/1997	1.88	16
15:25_09/05/1997	2.29	25
15:40_07/11/1998	1.61	11
17:05_10/31/1998	1.65	12
13:20_06/28/2000	5.03	517
15:55_10/23/2000	2.55	31
02:30_10/28/2000	2.73	37
11:25_03/17/2001	1.81	28
13:15_06/27/2001	3.54	141
15:40_07/19/2001	2.31	53
19:45_07/26/2001	1.70	24
17:10_08/05/2001	2.27	51
23:20_06/21/2002	3.54	141
14:45_07/14/2002	1.60	20
11:25_09/10/2002	1.20	12
18:50_08/11/2003	2.15	44
14:35_08/23/2003	2.07	40
18:05_09/06/2003	1.60*	20
19:40_03/12/2004	2.62	71
--:--_07/24/2004	2.66*	74

*From floodmarks

E250 Pajarito Canyon above SR-4

Period Starting	00:00_10/01/1994
Ending	24:00_09/30/2004
Minimum Value	5.00

Time	stage ft.	Q ft^3/s
18:50_01/08/1996	3.43	14*
15:40_06/17/1999	3.89	20
17:10_06/28/2000	3.44	15
06:30_10/28/2000	3.27	12
21:45_08/09/2001	3.26	12
23:35_08/16/2001	3.72	22
04:35_06/22/2002	3.86	26

* water line break

E252 Water above SR-501

Period Starting	00:00_10/02/1995
Ending	24:00_09/30/2004
Minimum Value	5.00

Time	stage ft.	Q ft^3/s
23:10_04/19/2000	1.09	9.8
12:30_06/28/2000	7.91	840
14:25_07/22/2001	4.37*	255
23:15_06/21/2002	3.90	114
05:40_09/10/2002	3.10	14

*Datum change after 6/28/2000

E253 Canon Del Valle above SR-501

Period Starting	00:00_10/02/1995
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
12:30_06/28/2000	8.42	740
17:10_08/05/2001	2.68	16
14:50_08/09/2001	2.80	19
--:--_07/22/2002	2.50	12

E265 Water Canyon below SR-4

Period Starting	00:00_10/02/1995
Ending	24:00_09/30/2004
Minimum Value	5.00

Time	stage ft.	Q ft^3/s
20:25_06/29/1996	0.94	18
16:00_06/17/1999	0.93	17
23:00_07/08/1999	0.79	8.5
14:00_06/28/2000	5.13	271
22:30_07/29/2000	0.89	13
17:55_08/12/2000	0.87	12
18:15_08/13/2000	1.01	21
19:00_08/19/2000	1.43	53
00:30_10/24/2000	1.24	40
02:50_10/28/2000	1.88	82
20:35_07/26/2001	1.16	32
13:45_08/03/2001	2.03	92
18:25_08/09/2001	1.38	22
16:00_08/30/2001	0.92	7.2
--:--_06/22/2002	2.34	105
16:00_07/14/2002	1.16	14
08:00_09/10/2002	1.19	16
15:50_09/28/2002	1.48	29
--:--_05/26/2003	1.40	25
16:55_08/11/2004	1.08	11
18:30_08/20/2004	2.30	100
15:05_09/21/2004	1.09	12

E267 Potrillo above SR-4

Period Starting	00:00_10/01/1999
Ending	24:00_09/30/2004
Minimum Value	5.00

Time	stage ft.	Q ft^3/s
13:55_08/29/1995	2.58	63
19:05_09/07/1995	1.49	13
14:25_07/28/1998	1.06	5.6
16:55_06/21/1999	1.56	14
00:05_07/09/1999	1.38	11
09:35_08/05/1999	1.07	5.7
19:50_08/27/1999	2.38	47
21:35_09/16/1999	1.27	8.8
20:55_08/09/2000	1.35	8.2
20:56_10/23/2000	1.26	6.8
14:05_08/28/2002	1.72	15
16:50_05/26/2003	1.95	20
13:40_08/19/2003	1.72	14
19:10_09/09/2003	1.55	11

E275 Ancho below SR-4

Period Starting	00:00_10/01/1994
Ending	24:00_09/30/2004
Minimum Value	10.00

Time	stage ft.	Q ft^3/s
14:20_06/29/1995	2.71	520
15:10_08/13/1995	2.02	192
19:50_06/29/1996	1.85	111
21:15_08/17/1997	1.82	98
16:05_06/17/1999	1.91	140
23:00_07/08/1999	1.63	36
16:25_07/26/1999	1.47	12
10:20_08/03/1999	1.55	21
15:30_08/04/1999	1.46	11
19:55_08/27/1999	1.47	12
21:30_09/16/1999	1.77	78
19:25_07/29/2000	1.52	17
16:30_08/06/2000	2.35	249
20:50_08/09/2000	1.57	25
17:20_08/18/2000	1.55	21
21:20_10/23/2000	1.62	34
17:20_05/26/2003	2.74	535
14:30_08/19/2003	2.04	201
14:00_08/10/2004	1.97	168

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