

Report

LA-13403-PR
Progress Report

LIBRARY COPY

*Surface Water Data at
Los Alamos National Laboratory:
1997 Water Year*

Copy

Los Alamos
NATIONAL LABORATORY

*Los Alamos National Laboratory is open
for the United States Department of Energy*



8160

*Edited by Faith Harp, Group CIC-1
Photocomposition by Lynne Atencio, Group CIC-1*

Previous reports in this series, unclassified, are LA-13234-PR and LA-13177-PR.

An Affirmative Action/Equal Opportunity Employer

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither The Regents of the University of California, the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by The Regents of the University of California, the United States Government, or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of The Regents of the University of California, the United States Government, or any agency thereof. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.

*Surface Water Data at
Los Alamos National Laboratory:
1997 Water Year*

D. A. Shaul
M. R. Alexander
R. P. Reynolds
C. T. McLean

CONTENTS

| | |
|---------------------------------------|----|
| Definition of Terms | vi |
| Abstract | 1 |
| Introduction | 1 |
| Station Identification Numbers..... | 2 |
| Data Collection and Computation..... | 2 |
| Accuracy of Records | 3 |
| Data Presentation | 3 |
| Data Table of Daily Mean Values | 5 |
| References..... | 5 |

TABLES AND ILLUSTRATIONS

| | |
|---|---|
| Gaging Stations at Los Alamos National Laboratory..... | 6 |
| Summary of Discharges from Stream Monitoring Stations at Los Alamos National Laboratory..... | 7 |

STATION MANUSCRIPTS

| | |
|---|----|
| 08313025 Los Alamos Canyon at Los Alamos, NM | 11 |
| 08313030 Los Alamos Canyon below Laboratory Technical Area (TA) 2 near Los Alamos, NM..... | 13 |
| 08313042 Los Alamos Canyon near Los Alamos, NM..... | 15 |
| 08313060 Pueblo Canyon near Los Alamos, NM..... | 17 |
| 08313125 Sandia Canyon above Highway 4 near White Rock, NM | 19 |
| 08313200 Mortandad Canyon at TA-50 near Los Alamos, NM..... | 21 |
| 08313202 Mortandad Canyon at Entrance to Sediment Traps | 23 |
| 08313203 Mortandad Canyon below Sediment Traps | 25 |
| 08313204 Mortandad Canyon at Laboratory Boundary | 27 |
| 08313225 Cañada del Buey above White Rock, NM..... | 29 |
| 08313230 Cañada del Buey at White Rock, NM | 31 |
| 08313240 Parajito Canyon above Highway 501 near Los Alamos, NM | 33 |
| 08313245 Parajito Canyon above TA-18 near Los Alamos, NM..... | 35 |
| 08313250 Parajito Canyon above Highway 4 near White Rock, NM | 37 |
| 08313252 Water Canyon above Highway 501 near Los Alamos, NM | 39 |
| 08313253 Cañon del Valle above Highway 501 near Los Alamos, NM | 41 |
| 08313255 Potrillo Canyon near White Rock, NM | 43 |
| 08313265 Water Canyon below Highway 4 near White Rock, NM | 45 |
| 08313275 Ancho Canyon near Bandelier National Park, NM | 47 |

SPRING STATIONS

| | |
|--|----|
| S001 SWSC Line Spring at TA-16..... | 51 |
| S002 Burning Ground Spring at TA-16..... | 53 |
| S003 Martin Spring at TA-16..... | 55 |

DEFINITION OF TERMS

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover one acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or 325,851 gallons or 1233.49 cubic meters.

Cfs-day is the volume of water represented by the flow of one cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2445 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 salt water.

Cubic feet per second per square mile [(ft³/s)/mi²] 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 (ft³/s, cfs) is the rate of discharge representing a volume of one cubic foot passing a given point during one second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, 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 some arbitrary gage datum. 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.

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

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 local mean sea level at any particular place.

SWSC is used as an abbreviation for sanitary wastewater systems consolidation.

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 used as an abbreviation for “Water-Data Report” in the “Revised Records” paragraph to refer to state annual hydrologic-data reports.

WSP is used as an abbreviation for “Water-Supply Paper” in references to previously published reports.

SURFACE WATER DATA AT LOS ALAMOS NATIONAL LABORATORY: 1997 WATER YEAR

by

D. A. Shaull, M. R. Alexander, R. P. Reynolds, and C. T. McLean

ABSTRACT

The principal investigators collected and computed surface water discharge data from 19 stream-gaging stations that cover most of Los Alamos National Laboratory. Also included are discharge data from three springs that flow into Cañon de Valle.

INTRODUCTION

This annual water data report from Los Alamos National Laboratory (LANL) contains flow data from 19 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 Highway 4; the upstream boundary is approximated by New Mexico State Highway 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 (ESH-18) that also conduct site-specific earth science research.

Group ESH-18 developed and installed the stream-gaging network; the US Department of Interior, Geological Survey, Water Resources Division (USGS-WRD) did some of the contract work. USGS-WRD designed and installed the necessary data collection structures. Construction took place in 1993 and 1994, and USGS-WRD operated the network until January 1, 1995. Since January 1, 1995, the network has been operated by the Storm-Water Team of ESH-18.

Water chemistry data from selected storm events occurring at some stations will be published in the 1997 "Los Alamos National Laboratory Surveillance Report."

STATION IDENTIFICATION NUMBERS

USGS-WRD 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.

DATA COLLECTION AND COMPUTATION

A complete record-gaging station gathers records of stage and discharge measurements from streams or canals. In addition to 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 continuous records of stage. We measure discharge with current meters, using methods adapted by the Geological Survey 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 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 stages (gage heights) are applied to the stage-discharge curves or tables to compute daily mean discharges. 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 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 on 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 comparison 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; and
- 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; and
- 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 (cfs) is | Then—it is reported to |
|------------------------------|-------------------------------|
| less than 1 cfs | nearest hundredth |
| 1–10 cfs | nearest tenth |
| 10–1000 cfs | whole number |
| above 1000 cfs | 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 and
- data table for the water year (October 1, 1996, to September 30, 1997).

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 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.

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 at a time that the present station was not 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 (see glossary) and a condensed history of the types, locations, and datums of previous gages are given under this heading.

Remarks. The date in the station description for water discharge records identifies all periods of estimated daily discharge records. The text also 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.

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-hour 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."

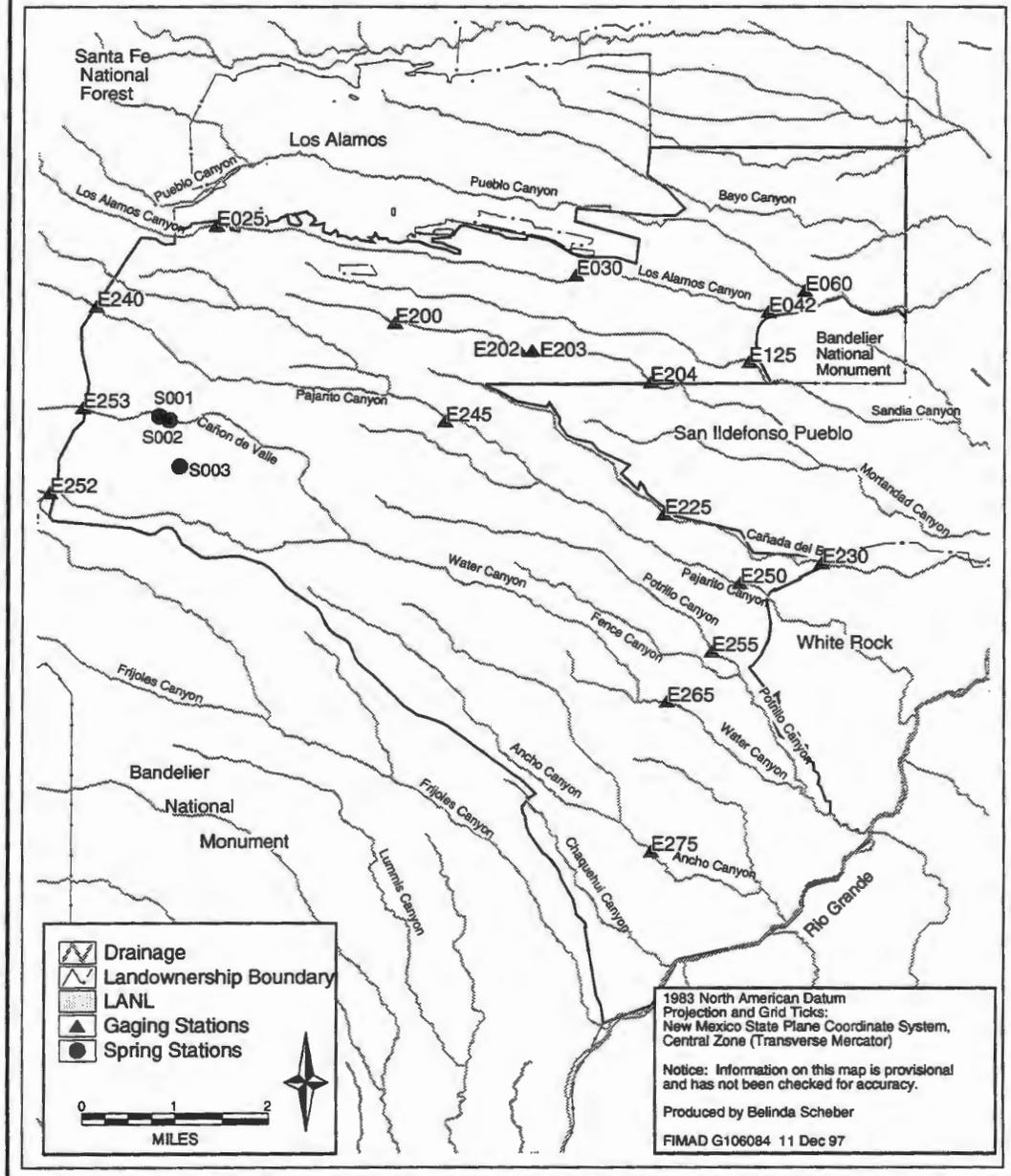
REFERENCES

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.

Gaging Stations at Los Alamos National Laboratory



**SUMMARY OF DISCHARGES FROM STREAM-MONITORING STATIONS
AT LOS ALAMOS NATIONAL LABORATORY**

Water Year 1997
October 1, 1996–September 30, 1997

| CANYON SITES | DAYS WITH FLOW | TOTAL VOLUME OF WATER | | INSTANTANEOUS MAX | |
|--|----------------|-----------------------|-------------|--------------------|--------|
| | | AC-FT | GALLONS | ft ³ /s | GPM |
| E025 Upper Los Alamos | 205 | 293 | 95,474,343 | 5.1 | 2,289 |
| E030 Middle Los Alamos | 144 | 263 | 85,698,813 | 9.7 | 4,353 |
| E042 Lower Los Alamos* | 91 | 173 | 56,372,223 | 171 | 76,745 |
| E060 Pueblo* | 1 | 727 | 236,893,677 | 5.8 | 2,603 |
| E125 Sandia* | 3 | 0.9 | 293,266 | 10 | 4,448 |
| E204 Lower Mortandad* | 0 | 0 | 0 | 0 | 0 |
| E200 Middle Mortandad | 242 | 52 | 16,944,252 | 38 | 17,054 |
| E202 Mortandad, Entrance to Sediment Traps | 2 | 0.7 | 228,096 | 6.4 | 2,872 |
| E203 Mortandad, below Sediment Traps | 0 | 0 | 0 | 0 | 0 |
| E225 Upper Cañada del Buey | 0 | 0 | 0 | 0 | 0 |
| E230 Lower Cañada del Buey* | 6 | 1.0 | 325,851 | 16 | 7,181 |
| E240 Upper Pajarito | 211 | 107 | 34,866,057 | /./ | 494 |
| E245 Middle Pajarito | 154 | 162 | 52,787,862 | 30 | 13,464 |
| E250 Lower Pararito* | 18 | 1.6 | 521,362 | 0.24 | 108 |
| E255 Potrillo* | 1 | 0.06 | 19,551 | 3.3 | 1,481 |
| E252 Upper Water | 254 | 18 | 5,865,318 | 0.29 | 131 |
| E253 Cañon de Valle | 0 | | 0 | | 0 |
| E265 Lower Water* | 0 | 0 | 0 | 0 | 0 |
| E275 Ancho* | 2 | 1.4 | 456,191 | 98 | 43,982 |

*Station at downstream Laboratory boundary.

STATION MANUSCRIPTS

08313025 LOS ALAMOS CANYON AT LOS ALAMOS, NM

LOCATION. Lat 35°52'48", long 106°19'42", in SE 1/4 SE 1/4 sec. 17, T. 19 N, R. 6 E, Los Alamos County, on right bank 1.5 mi downstream from Los Alamos Reservoir, and 0.4 mi upstream from "Rainbow" bridge on Diamond Drive over Los Alamos Canyon.

DRAINAGE AREA. 7.12 mi².

PERIOD OF RECORD. October 1, 1993, through September 30, 1997.

GAGE. Data logger with cellular telemetry and 2-ft Parshall Flume. Elevation of gage is 7220 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Water discharge records good. Flow partially controlled by Los Alamos Reservoir 1.5 mi upstream.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 10 cfs, May 4, 1995, gage height 1.26 ft. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 5.1 cfs at 1030 hrs, Apr. 29, gage height 0.82 ft. No flow at times.



08313025 LOS ALAMOS CANYON AT LOS ALAMOS, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------------|--------------|---------------|-------------|--------------|------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|
| 1 | 0 | 0.07 | 0.23 | 0 | 0 | 0 | 1.2 | 3.1 | .48e | 0.04 | 0.07 | 0.21 |
| 2 | 0 | 0.07 | 0.15 | 0 | 0 | 0 | 1.0 | 3.0 | .45e | 0.03 | 0.17 | 0.20 |
| 3 | 0 | 0.11 | 0.04 | 0 | 0 | 0 | 1.0 | 2.6 | .44e | 0 | 0.27 | 0.20 |
| 4 | 0.09 | 0.14 | 0.05 | 0 | 0 | 0 | 0.91 | 2.4 | .45e | 0 | 0.68 | 0.46 |
| 5 | 0.04 | 0.13 | 0.02 | 0 | 0 | 0 | 0.83 | 2.4 | 0.46 | 0 | 0.94 | 0.46 |
| 6 | 0.01 | 0.13 | 0.01 | 0 | 0 | 0 | 0.88 | 2.4 | 0.48 | 0 | 0.83 | 0.44 |
| 7 | 0 | 0.13 | 0.01 | 0 | 0 | 0.05e* | 0.83 | 2.3 | 0.50 | 0 | 1.1 | 0.42 |
| 8 | 0 | 0.10 | 0.01 | 0 | 0 | 0.10e | 0.88 | 2.2 | 0.43 | 0 | 0.96 | 0.37 |
| 9 | 0 | 0.10 | 0.01 | 0 | 0 | 0.15e | 0.84 | 2.0 | 0.32 | 0 | 0.93 | 0.43 |
| 10 | 0 | 0.10 | 0.01 | 0 | 0 | 0.25e | 0.82 | 1.9 | 0.36 | 0 | 0.93 | 0.49 |
| 11 | 0 | 0.08 | 0.01 | 0 | 0 | 0.30e | 0.89 | 1.7 | 0.44 | 0 | 0.69 | 0.51 |
| 12 | 0 | 0.07 | 0.01 | 0 | 0 | 0.40e | 0.89 | 1.6 | 0.41 | 0 | 0.52 | 0.48 |
| 13 | 0 | 0.07 | 0 | 0 | 0 | 0.56 | 0.87 | 1.5 | 0.35 | 0 | 0.49 | 0.45 |
| 14 | 0 | 0.07 | 0 | 0 | 0 | 0.22 | 0.79 | 1.4 | 0.35 | 0 | 0.43 | 0.40 |
| 15 | 0 | 0.09 | 0 | 0 | 0 | 0.23 | 0.84 | 1.2 | 0.37 | 0 | 0.34 | 0.32 |
| 16 | 0 | 0.14 | 0 | 0 | 0 | 0.23 | 0.88 | 1.0 | 0.26 | 0 | 0.29 | 0.27 |
| 17 | 0 | 0.21 | 0 | 0 | 0 | 1.0 | 0.93 | 0.95 | 0.22 | 0 | 0.36 | 0.21 |
| 18 | 0 | 0.07 | 0 | 0 | 0 | 1.5 | 0.87 | 0.90 | 0.19 | 0 | 0.44 | 0.20 |
| 19 | 0 | 0.07 | 0 | 0 | 0 | 1.6 | 0.97 | 0.86 | 0.18 | 0 | 0.27 | 0.18 |
| 20 | 0 | 0.07 | 0 | 0 | 0 | 1.7 | 0.97 | 2.0 | 0.18 | 0 | 0.29 | 0.27 |
| 21 | 0 | 0.07 | 0 | 0 | 0 | 2.0 | 1.4 | 1.0 | 0.15 | 0 | 0.27 | 0.37 |
| 22 | 0 | 0.07 | 0 | 0 | 0 | 2.2 | 1.8 | 0.95 | 0.13 | 0 | 0.35 | 0.34 |
| 23 | 0 | 0.11 | 0 | 0 | 0 | 2.0 | 1.9 | 0.88 | 0.11 | 0.03 | 0.35 | 0.34 |
| 24 | 0 | 0.17 | 0 | 0 | 0 | 2.0 | 1.9 | 0.80 | 0.07 | 0.03 | 0.38 | 0.35 |
| 25 | 0 | 0.17 | 0 | 0 | 0 | 2.0 | 1.8 | 0.60 | 0.10 | 0.02 | 0.44 | 0.37 |
| 26 | 0 | 0.18 | 0 | 0 | 0 | 1.6 | 1.8 | 0.45 | 0.10 | 0 | 0.38 | 0.34 |
| 27 | 0.09 | 0.20 | 0 | 0 | 0 | 1.2 | 2.0 | 0.50 | 0.12 | 0 | 0.35 | 0.30 |
| 28 | 0.12 | 0.20 | 0 | 0 | 0 | 1.3 | 2.0 | 0.54 | 0.10 | 0 | 0.33 | 0.27 |
| 29 | 0.18 | 0.21 | 0 | 0 | — | 1.3 | 2.6 | 0.58 | 0.07 | 0.01 | 0.33 | 0.24 |
| 30 | 0.08 | 0.21 | 0 | 0 | — | 1.3 | 3.1 | 0.50 | 0.04 | 0.03 | 0.26 | 0.21 |
| 31 | 0.07 | — | 0 | 0 | — | 1.3 | — | 0.50 | | 0.13 | 0.27 | — |
| TOTAL | 0.68 | 3.61 | 0.56 | 0 | 0 | 26.49 | 38.39 | 44.71 | 8.31 | 0.32 | 14.71 | 10.1 |
| MEAN | 0.02 | 0.12 | 0.02 | 0 | 0 | 0.85 | 1.28 | 1.44 | 0.28 | 0.01 | 0.47 | 0.34 |
| MAX | 0.18 | 0.21 | 0.23 | 0 | 0 | 2.2 | 3.1 | 3.1 | 0.50 | 0.13 | 1.1 | 0.51 |
| MIN | 0 | 0.07 | 0 | 0 | 0 | 0 | 0.79 | 0.45 | 0.04 | 0 | 0.07 | 0.18 |
| AC-FT | 1.3 | 7.2 | 1.1 | 0 | 0 | 53 | 76 | 89 | 16 | 0.6 | 29 | 20 |
| CAL YEAR 1996 | TOTAL | 18.14 | MEAN | 0.050 | MAX | 1.3 | MIN | 0 | AC-FT | 36 | | |
| WTR YEAR 1997 | TOTAL | 147.88 | MEAN | 0.41 | MAX | 3.1 | MIN | 0 | AC-FT | 293 | | |

*e—estimated.

**08313030 LOS ALAMOS CANYON BELOW LABORATORY TECHNICAL
AREA (TA) 2 NEAR LOS ALAMOS, NM**

LOCATION. Lat 35°52'20", long 106°15'37", 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 State Highway 4.

DRAINAGE AREA. 8.58 mi².

PERIOD OF RECORD. July 1994 to September 30, 1997.

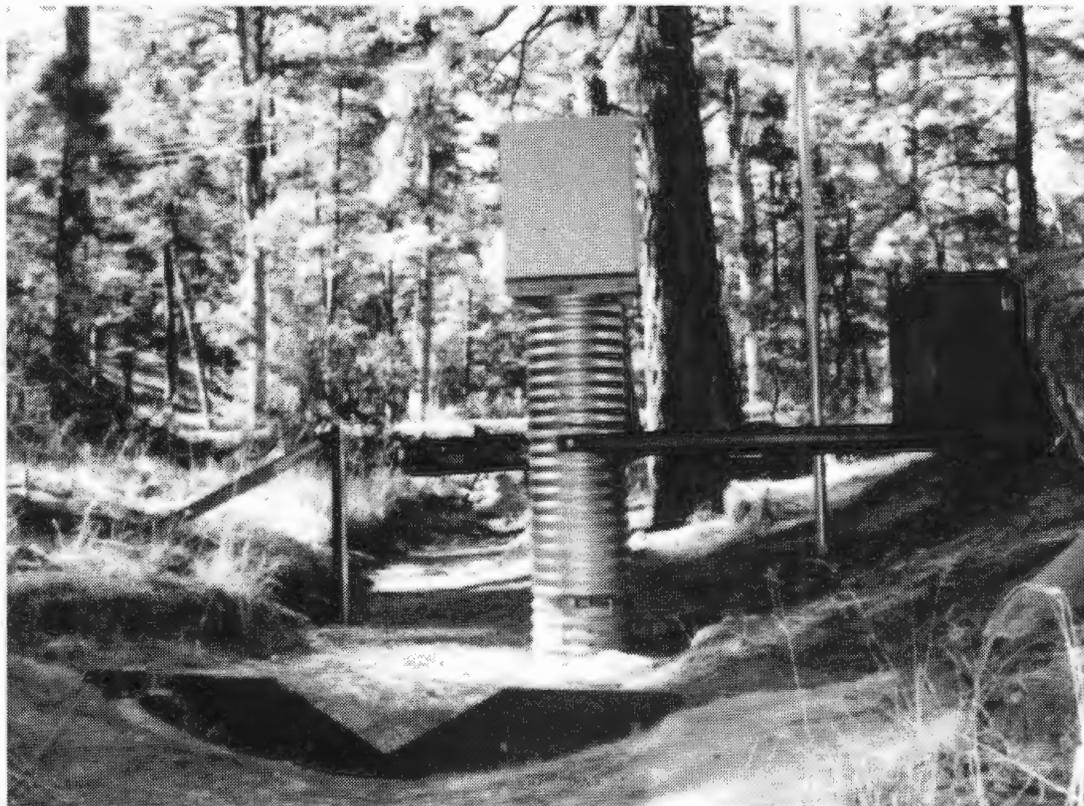
GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6580 ft above *National Geodetic Vertical Datum of 1929*, from topographic map.

REMARKS. Water discharge records fair. Flow partially regulated by Los Alamos Reservoir about 2.5 mi upstream.

EXTREMES OUTSIDE PERIOD OF RECORD. Flood of July 31, 1968, was 329 cfs from slope area determination. Gage height was established later at 3.71 ft present datum.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 12 cfs, Oct. 14, 1994, gage height, 1.50 ft. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 9.7 cfs at 1930 hrs Aug. 22, gage height 1.51 ft. No flow most of time.



08313030 LOS ALAMOS CANYON BELOW TA-2 NEAR LOS ALAMOS, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------------|--------------|--------|-------------|-------|------------|------|------------|-------|--------------|-------|-------|-------|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 3.3 | 0e* | 0 | 0.12e | 0.45 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.94 | 3.2 | 0e | 0 | 0.80e | 0.45 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.93 | 2.8 | 0e | 0 | 2.9e | 0.45 |
| 4 | 0.22 | 0 | 0 | 0 | 0 | 0 | 1.4 | 2.4 | 0e | 0 | 3.6e | 0.52 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 2.6 | 0.03 | 0 | 1.0e | 0.52 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.89 | 2.7 | 0.11 | 0 | 1.2e | 0.48 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.75 | 2.9 | 0.98 | 0 | 1.2e | 0.47 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.62 | 2.6 | 0.66e | 0 | 0.80e | 0.46 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0.55 | 2.4 | 0.21e | 0 | 0.70e | 0.54 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.48 | 2.2 | 0.06e | 0 | 0.70e | 0.68 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0.57 | 2.0 | 0.03e | 0 | 0.54e | 0.55 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0.62 | 1.5 | 0e | 0 | 0.48e | 0.47 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0.55 | 1.3 | 0e | 0 | 0.40e | 0.41 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0.41 | 1.1 | 0e | 0 | 0e | 0.31 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0.32 | 0.88 | 0.12e | 0 | 0e | 0.19 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0.29 | 0.29 | 0.56 | 0.04e | 0 | 0e | 0.09 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0.62 | 0.30 | 0.65 | 0.03e | 0 | 0.01e | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0.89 | 0.31 | 0.55 | 0.03e | 0 | 0.10e | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0.33 | 0.45 | 0.03e | 0 | 0.05e | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0.43 | 2.9 | 0.01e | 0 | 0.13 | 0.56 |
| 21 | 0 | 0 | 0 | 0 | 0 | 1.7 | 0.67 | 0.90 | 0e | 0 | 0.4 | 1.6 |
| 22 | 0 | 0 | 0 | 0 | 0 | 2.2 | 1.0 | 0.66 | 0e | 0 | 1.1 | 0.81 |
| 23 | 0 | 0 | 0 | 0 | 0 | 2.2 | 2.0 | 0.55 | 0e | 0.08 | 0.54 | 0.41 |
| 24 | 0 | 0 | 0 | 0 | 0 | 2.2 | 2.9 | 0.30 | 0e | 0 | 0.50 | 0.31 |
| 25 | 0 | 0 | 0 | 0 | 0 | 1.9 | 2.7 | 0.17 | 0e | 0 | 0.45e | 0.26 |
| 26 | 0 | 0 | 0 | 0 | 0 | 1.6 | 2.0 | 0.10 | 0e | 0 | 0.45e | 0.16 |
| 27 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.8 | 0.07 | 0e | 0 | 0.10 | 0.06 |
| 28 | 1.0 | 0 | 0 | 0 | 0 | 1.2 | 1.8 | 0.06 | 0e | 0 | 0.42e | 0 |
| 29 | 0.04 | 0 | 0 | 0 | — | 1.1 | 2.5 | 0.03 | 0e | 0 | 0.42e | 0 |
| 30 | 0 | 0 | 0 | 0 | — | 1.1 | 3.3 | 0 | 0e | 0 | 0.40e | 0 |
| 31 | 0 | — | 0 | 0 | — | 1.0 | — | 0 | — | 0 | 0.75e | — |
| TOTAL | 1.26 | 0 | 0 | 0 | 0 | 21.6 | 33.46 | 41.83 | 2.34 | 0.08 | 20.6 | 11.21 |
| MEAN | 0.041 | 0 | 0 | 0 | 0 | 0.70 | 1.12 | 1.35 | 0.08 | 0.003 | 0.66 | 0.37 |
| MAX | 1.0 | 0 | 0 | 0 | 0 | 2.2 | 3.3 | 3.3 | 0.98 | 0.08 | 3.6 | 1.6 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0.29 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 2.5 | 0 | 0 | 0 | 0 | 43 | 66 | 83 | 4.6 | 0.2 | 41 | 22 |
| CAL YEAR 1996 | TOTAL | 8.96 | MEAN | 0.024 | MAX | 1.0 | MIN | 0 | AC-FT | 18 | | |
| WTR YEAR 1997 | TOTAL | 132.38 | MEAN | 0.36 | MAX | 3.6 | MIN | 0 | AC-FT | 263 | | |

*e—estimated.

08313042 LOS ALAMOS CANYON NEAR LOS ALAMOS, NM

LOCATION. Lat 35°52'01", long 106°13'21", in SW 1/4 sec. 20, T. 19 N R. 7 E, Santa Fe County, on right bank, 1/4 mi upstream from NM State Highway 4, 2.7 mi NW of White Rock, NM, 3.9 mi E of Los Alamos, and 13.5 mi SW of Española.

DRAINAGE AREA. 9.08 mi².

PERIOD OF RECORD. November 1970 to June 1971, October 1991 to September 30, 1996.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6380 ft above *National Geodetic Vertical Datum of 1929*, from topographic map.

COOPERATION. US Geological Survey operates rain gage at site.

REMARKS. Water discharge records fair.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 171 ft³/s, Aug. 22, 1997, gage height 2.95 ft. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 171 ft³/s, 1940 hrs, Aug. 22, gage height 2.95 ft. No flow most of time.



08313042 LOS ALAMOS CANYON NEAR LOS ALAMOS, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------------|--------------|-------|-------------|-------|------------|------|------------|-------|--------------|-----|------|------|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 | 2.4 | 0.11 | 0 | 0.05 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 | 2.3 | 0.07 | 0 | 0.98 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.8 | 0.05 | 0 | 4.4 | 0 |
| 4 | 0.86 | 0 | 0 | 0 | 0 | 0 | 0.39 | 1.5 | 0 | 0 | 7.5 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0.26 | 1.6 | 0.06 | 0 | 3.6 | 0.01 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.88 | 1.8 | 0.07 | 0 | 1.0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.08 | 1.9 | 3.3 | 0 | 0.25 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | 1.9 | 0.42 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 1.9 | 0 | 0 | 0 | 0.02 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 0.15 | 0 | 0 | 0.25 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 0.15 | 0 | 0 | 0.04 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | 1.2 | 0.03 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0.07 | 1.0 | 0.03 | 0 | 0.74 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.82 | 0 | 0 | 0.02 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.41 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.49 | 0 | 0 | 0.02 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.33 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.10 | 0 | 0 | 0.10 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 0 | 0.56 | 1.4 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | 0 | 0 | 0 | 0.03 | 2.8 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0.26 | 0 | 0 | 0 | 8.7 | 0.45 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 0 | 0 | 0 | 0.36 | 0.10 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 0 | 0 | 0 | 0.43 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 0 | 0 | 0 | 0.02 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0.15 | 1.3 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0.04 | 1.2 | 0 | 0 | 0 | 0 | 0 |
| 28 | 2.7 | 0 | 0 | 0 | 0 | 0.03 | 1.1 | 0.15 | 0 | 0 | 0 | 0 |
| 29 | 0.05 | 0 | 0 | 0 | — | 0.04 | 1.5 | 0.31 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | — | 0.08 | 2.2 | 0.25 | 0 | 0 | 0 | 0 |
| 31 | 0 | — | 0 | 0 | — | 0.08 | — | 0.15 | — | 0 | 0.41 | — |
| TOTAL | 3.61 | 0 | 0 | 0 | 0 | 0.42 | 15.52 | 28.79 | 4.44 | 0 | 29.5 | 5.07 |
| MEAN | 0.12 | 0 | 0 | 0 | 0 | 0.01 | 0.52 | 0.93 | 0.15 | 0 | 0.95 | 0.17 |
| MAX | 2.7 | 0 | 0 | 0 | 0 | 0.15 | 2.6 | 3.4 | 3.3 | 0 | 8.7 | 2.8 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 7.2 | 0 | 0 | 0 | 0 | 0.8 | 31 | 57.0 | 8.8 | 0 | 59 | 10 |
| CAL YEAR 1996 | TOTAL | 11.18 | MEAN | 0.031 | MAX | 2.7 | MIN | 0 | AC-FT | 22 | | |
| WTR YEAR 1997 | TOTAL | 87.35 | MEAN | 0.24 | MAX | 8.7 | MIN | 0 | ACT | 173 | | |

08313060 PUEBLO CANYON NEAR LOS ALAMOS, NM

LOCATION. Lat 35°52'13", long 106°12'56", in NE 1/4 NE 1/4 sec. 20, T. 19 N, R. 7 E, Santa Fe County on right bank at state highway maintenance yard 200 ft. north of NM State Highway 502, and 4.2. mi east of Los Alamos.

DRAINAGE AREA. 6.94 mi².

PERIOD OF RECORD. January 1992 to September 30, 1997.

GAGE. Data logger with cellular telemetry. Elevation of gage is 6330 ft above *National Geodetic Vertical Datum of 1929*, from topographic map.

COOPERATION. Rain gage operated by US Geological Survey at this site.

REMARKS. Records fair except for estimated daily discharges, which are poor. No diversion above station. Perennial flow is primarily from effluent.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 7.5 ft³/s July 17, 1996, maximum gage height 6.42 ft Aug. 5, 1997. No flow June 2-5, 1997.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 5.8 ft³/s, gage height 6.42 at 1430 hrs Aug. 5. No flow June 2-5, 1997.



08313060 PUEBLO CANYON NEAR LOS ALAMOS, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | |
|---------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----|
| 1 | 0.66 | 1.1 | 1.2 | 1.3 | 0.99 | 1.5 | 1.2 | 0.66 | 0.16e | 0.02 | 1.4 | 0.90 | | |
| 2 | 0.34 | 1.6 | 1.2 | 1.5 | 1.0 | 1.7 | 1.2 | 0.59 | 0.90e | 0 | 1.6 | 0.75 | | |
| 3 | 0.43 | 1.3 | 1.0 | 1.4 | 1.3 | 1.9 | 1.2 | 0.33 | 1.1e | 0 | 1.6 | 0.61 | | |
| 4 | 1.4 | 1.2 | 0.99 | 1.5 | 1.2 | 1.6 | 1.8 | 0.34 | 1.0e | 0 | 1.9 | 0.90 | | |
| 5 | 1.0 | 0.75 | 1.0 | 1.5 | 1.2 | 1.5 | 1.5 | 0.48 | 0.7 | 0 | 2.0 | 0.97 | | |
| 6 | 0.88 | 0.83 | 0.94 | 1.6 | 1.2 | 1.7 | 1.6 | 0.30 | 0.29 | 0.02 | 1.8 | 0.87 | | |
| 7 | 0.91 | 1.0 | 0.91 | 1.5 | 0.92 | 1.7 | 1.6 | 0.34 | 1.3 | 0.25 | 1.7 | 0.90 | | |
| 8 | 0.70 | 1.1 | 0.98 | 1.5 | 1.1 | 1.7 | 1.6 | 0.09 | 2.1 | 0.21 | 1.4 | 1.0 | | |
| 9 | 0.41 | 0.94 | 0.93 | 1.5 | 1.2 | 1.7 | 1.3 | 0.39 | 1.2 | 0.78 | 1.2 | 0.83 | | |
| 10 | 0.62 | 1.0 | 0.95 | 1.2 | 1.1 | 1.5 | 1.2 | 0.51 | 0.97 | 0.42 | 1.3 | 1.0 | | |
| 11 | 0.59 | 0.99 | 1.1 | 0.9 | 1.1 | 1.5 | 1.4 | 0.58 | 0.58 | 0.29 | 1.4 | 0.94 | | |
| 12 | 0.54 | 1.1 | 1.0 | 1.0 | 1.1 | 1.7 | 1.3 | 0.24 | 0.56 | 0.68 | 1.3 | 1.1 | | |
| 13 | 0.37 | 1.2 | 1.0 | 1.0 | 1.1 | 1.7 | 1.4 | 0.52 | 0.39 | 0.13 | 1.3 | 0.54 | | |
| 14 | 0.27 | 1.2 | 1.0 | 0.88 | 1.1 | 1.5 | 1.0 | 0.17 | 0.63 | 0.13 | 1.5 | 0.81 | | |
| 15 | 0.79 | 1.2 | 0.95 | 1.0 | 0.96 | 1.6 | 0.99 | 0.16 | 0.57 | 0.14 | 1.4 | 0.79 | | |
| 16 | 0.20 | 1.3 | 0.9 | 0.85 | 1.1 | 1.7 | 0.65 | 0.65 | 1.1 | 0.16 | 1.2 | 0.75 | | |
| 17 | 0.57 | 1.5 | 0.82 | 0.76 | 1.1 | 1.4 | 2.2 | 0.51 | 0.93 | 0.19 | 0.74 | 0.39 | | |
| 18 | 0.89 | 1.5 | 0.7 | 0.83 | 1.1 | 1.0 | 2.2 | 0.62 | 0.98 | 0.11 | 2.1 | 0.36 | | |
| 19 | 0.61 | 1.4 | 0.6 | 0.65 | 0.85 | 0.95 | 2.8 | 0.06 | 1.1 | 0.07 | 1.3 | 0.46 | | |
| 20 | 0.99 | 1.3 | 0.55 | 0.7 | 1.2 | 1.6 | 3.0 | 0.05 | 1.3 | 0.66 | 1.3 | 0.63 | | |
| 21 | 1.3 | 1.1 | 0.75 | 1.1 | 1.2 | 1.5 | 1.4 | 0.10e | 0.19 | 1.0 | 1.3 | 1.1 | | |
| 22 | 1.6 | 1.1 | 1.0 | 0.75 | 1.2 | 1.0 | 0.84 | 0.50e | 0.24 | 0.70 | 1.5 | 1.3 | | |
| 23 | 1.7 | 1.1 | 1.2 | 0.63 | 1.4 | 1.1 | 1.2 | 1.0e | 0.20 | 0.46 | 3.1 | 1.1 | | |
| 24 | 1.5 | 1.1 | 1.3 | 0.72 | 1.5 | 1.3 | 1.4 | 0.70e | 0.10 | 0.90 | 1.4 | 0.91 | | |
| 25 | 1.4 | 1.1 | 1.2 | 0.70 | 1.5 | 2.0 | 1.3 | 0.50e | 0.04 | 0.33 | 1.5 | 1.1 | | |
| 26 | 1.2 | 1.0 | 1.0 | 0.74 | 1.5e* | 1.5 | 1.1 | 0.40e | 0.01 | 0.70 | 1.4 | 1.1 | | |
| 27 | 1.8 | 1.1 | 1.2 | 0.78 | 1.4e | 1.0 | 1.1 | 0.50e | 0.36 | 0.84 | 1.3 | 0.62 | | |
| 28 | 2.2 | 1.2 | 1.1 | 0.75 | 1.8e | 0.71 | 0.90 | 0.60e | 0.70 | 0.48 | 0.77 | 1.1 | | |
| 29 | 2.1 | 1.0 | 1.3 | 0.80 | — | 0.70 | 0.41 | 0.70e | 0.55 | 2.2 | 1.1 | 0.60 | | |
| 30 | 1.5 | 1.0 | 1.2 | 0.85 | — | 0.72 | 0.62 | 0.30e | 0.18 | 3.1 | 0.99 | 0.67 | | |
| 31 | 1.1 | — | 1.3 | 0.90 | — | 0.79 | — | 0.20e | — | 2.1 | 0.66 | — | | |
| TOTAL | 30.57 | 34.31 | 31.27 | 31.79 | 33.42 | 43.47 | 41.41 | 13.09 | 20.43 | 17.07 | 44.46 | 25.1 | | |
| MEAN | 0.99 | 1.14 | 1.01 | 1.03 | 1.19 | 1.4 | 1.38 | 0.42 | 0.68 | 0.55 | 1.43 | 0.84 | | |
| MAX | 2.2 | 1.6 | 1.3 | 1.6 | 1.8 | 2.0 | 3.0 | 1.0 | 2.1 | 3.1 | 3.1 | 1.3 | | |
| MIN | 0.2 | 0.75 | 0.55 | 0.63 | 0.85 | 0.7 | 0.41 | 0.05 | 0.01 | 0 | 0.66 | 0.36 | | |
| AC-FT | 61 | 68 | 62 | 63 | 66 | 86 | 82 | 26 | 41 | 34 | 88 | 50 | | |
| CAL YEAR 1996 | TOTAL | | 346.69 | MEAN | | 0.95 | MAX | | 3.2 | MIN | | 0 | AC-FT | 688 |
| WTR YEAR 1997 | TOTAL | | 366.39 | MEAN | | 1.00 | MAX | | 3.1 | MIN | | 0 | AC-FT | 727 |

*e—estimated.

08313125 SANDIA CANYON ABOVE HIGHWAY 4 NEAR WHITE ROCK, NM

LOCATION. Lat 35°51'32", long 106°13'33", SE 1/4 SW 1/4 sec. 20, T. 19 N, R.7 E, Santa Fe County, 0.25 mi N of East Jemez Road and 0.5 mi upstream from NM State Highway 4.

DRAINAGE AREA. 2.52 mi².

PERIOD OF RECORD. October 1993 to September 30, 1997.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6495 ft. above *National Geodetic Vertical Datum of 1929*, from topographic map.

REMARKS. Water discharge records fair.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 13 cfs Sept. 8, 1995, gage height 1.82 ft. No flow most of time.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 10 cfs at 1355 hrs Aug. 13, gage height 1.72 ft. No flow most of time.



08313125 SANDIA CANYON ABOVE HIGHWAY 4 NEAR WHITE ROCK, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | 0.22 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.08 | 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 | 0.13 | 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 | 0.43 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.014 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 |
| CAL YEAR 1996 | TOTAL | 0.00 | MEAN | 0 | MAX | 0 | MIN | 0 | AC-FT | 0 | | |
| WTR YEAR 1997 | TOTAL | 0.43 | MEAN | 0.001 | MAX | 0.22 | MIN | 0 | AC-FT | 0.9 | | |

08313200 MORTANDAD CANYON AT TA-50 NEAR LOS ALAMOS, NM

LOCATION. Lat 35°51'55", long 106°17'42", SW 1/4 NE 1/2 sec. 22, T. 19 N, R. 6 E, Los Alamos County, 0.6 N of Pajarito Road and 0.25 mi N of LANL TA-50 and 1/4 mi below TA-50 outfall.

DRAINAGE AREA. 0.49 mi².

PERIOD OF RECORD. May 10, 1995, to September 30, 1996.

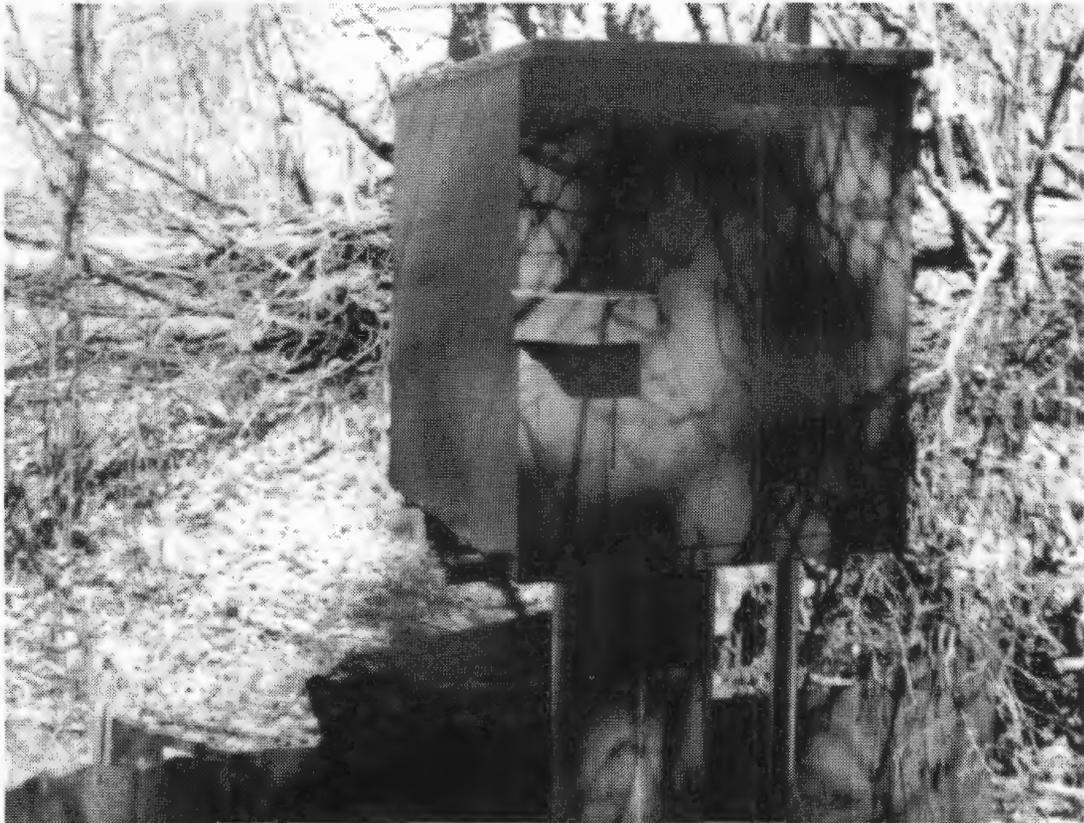
GAGE. Data logger with cellular telemetry and steel "fabricated" Parshall Flume as low-water control. Elevation of gage is 7062.50 ft above *National Geodetic Vertical Datum of 1929* from survey.

REMARKS. Water discharge records poor. Flow is mostly effluent from LANL TA-50, liquid radiological waste plant. From December 18 to March 23 there was no gage height record. Discharge based on TA-50 plant records.

EXTREMES OUTSIDE PERIOD OF RECORD. Flow of 34 cfs occurred Aug. 19, 1970, gage height 3.07 ft from old data files of US Geological Survey.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 38 cfs, Aug. 17, 1997, gage height 3.19 ft. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 38 cfs at 2145 hrs, Aug. 17, gage height 3.19 ft. No flow at times.



08313200 MORTANDAD CANYON AT TA-50 AT LOS ALAMOS, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------------|------|--------------|-------|-------------|-------|------------|-------|------------|-------|--------------|------|------|
| 1 | 0 | 0.04 | 0 | 0 | 0 | 0 | 0.09 | 0.03 | 0 | 0.02 | 0.09 | 0 |
| 2 | 0.03 | 0 | 0.05 | 0.03 | 0 | 0 | 0.08 | 0.03 | 0.04 | 0.02 | 0 | 0.04 |
| 3 | 0.03 | 0 | 0.04 | 0.03 | 0 | 0.03 | 0.05 | 0 | 0.03 | 0.03 | 0.09 | 0.07 |
| 4 | 0.70 | 0 | 0.03 | 0 | 0.06 | 0.06 | 0.13 | 0 | 0.06 | 0 | 0.29 | 0.06 |
| 5 | 0 | 0.08 | 0 | 0 | 0 | 0.03 | 0.05 | 0.03 | 0.08 | 0 | 0.82 | 0.11 |
| 6 | 0 | 0.06 | 0.04 | 0 | 0.03 | 0.03 | 0.05 | 0.03 | 0.08 | 0 | 0.05 | 0.01 |
| 7 | 0.03 | 0.06 | 0 | 0.03 | 0.03 | 0.03 | 0.07 | 0.03 | 1.2 | 0.06 | 0.24 | 0 |
| 8 | 0 | 0.01 | 0 | 0 | 0 | 0 | 0.07 | 0.03 | 0.24 | 0 | 0.04 | 0.04 |
| 9 | 0.03 | 0 | 0.04 | 0.06 | 0 | 0 | 0.04 | 0.03 | 0.04 | 0.03 | 0.01 | 0.06 |
| 10 | 0.03 | 0.03 | 0.05 | 0.03 | 0.03 | 0.03 | 0.10 | 0 | 0 | 0.06 | 0.02 | 0.28 |
| 11 | 0.03 | 0.01 | 0.06 | 0 | 0.03 | 0.03 | 0.09 | 0 | 0.03 | 0 | 0.05 | 0.11 |
| 12 | 0 | 0 | 0.07 | 0 | 0.03 | 0 | 0.08 | 0 | 0.06 | 0 | 0 | 0.03 |
| 13 | 0.03 | 0 | 0.01 | 0.03 | 0.03 | 0.03 | 0.08 | 0.06 | 0.06 | 0 | 1.3 | 0.02 |
| 14 | 0 | 0.03 | 0 | 0.03 | 0 | 0.03 | 0.10 | 0.03 | 0.01 | 0.05 | 0.1 | 0.02 |
| 15 | 0.03 | 0.03 | 0 | 0.03 | 0 | 0 | 0.11 | 0.03 | 0.01 | 0 | 0.05 | 0.03 |
| 16 | 0.03 | 0.01 | 0.36 | 0.03 | 0.03 | 0 | 0.12 | 0.03 | 0.04 | 0 | 0 | 0 |
| 17 | 0.03 | 0.01 | 0.02 | 0.03 | 0 | 0 | 0.02 | 0 | 0.04 | 0.02 | 2.4 | 0 |
| 18 | 0 | 0.03 | 0.03 | 0 | 0.03 | 0.03 | 0.03 | 0 | 0.06 | 0.05 | 1.2 | 0.05 |
| 19 | 0 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0 | 0.03 | 0 | 0.08 | 0.06 | 0 |
| 20 | 0 | 0.03 | 0.03 | 0 | 0.03 | 0.03 | 0 | 0 | 0.04 | 0.03 | 0.64 | 0.8 |
| 21 | 0 | 0 | 0 | 0.03 | 0.03 | 0.03 | 0.03 | 0.06 | 0.01 | 0 | 0.29 | 2.2 |
| 22 | 0.03 | 0.04 | 0 | 0 | 0 | 0 | 0.03 | 0.03 | 0.01 | 0.06 | 0.93 | 0.31 |
| 23 | 0.06 | 0 | 0.03 | 0 | 0.03 | 0 | 0.11 | 0 | 0 | 0.02 | 0.15 | 0.04 |
| 24 | 0.03 | 0 | 0.03 | 0.03 | 0.03 | 0.03 | 0.07 | 0 | 0.06 | 0.04 | 0.01 | 0 |
| 25 | 0.01 | 0.03 | 0 | 0 | 0.03 | 0.05 | 0.06 | 0 | 0 | 0.04 | 0.03 | 0.03 |
| 26 | 0.01 | 0.03 | 0.03 | 0 | 0 | 0.08 | 0 | 0 | 0 | 0 | 0.06 | 0.03 |
| 27 | 0.01 | 0.03 | 0 | 0 | 0 | 0.12 | 0 | 0.06 | 0 | 0 | 0.03 | 0 |
| 28 | 2.0 | 0 | 0.03 | 0.03 | 0.03 | 0.20 | 0.03 | 0.03 | 0 | 0.04 | 0.03 | 0 |
| 29 | 0.13 | 0 | 0 | 0.06 | — | 0.10 | 0.03 | 0.04 | 0 | 0.12 | 0.04 | 0.03 |
| 30 | 0.03 | 0 | 0 | 0 | — | 0.09 | 0 | 0.04 | 0.02 | 0.04 | 0.01 | 0.02 |
| 31 | 0 | — | 0 | 0.06 | — | 0.10 | — | 0 | — | 0.07 | 0.18 | — |
| TOTAL | 3.31 | 0.59 | 0.98 | 0.57 | 0.51 | 1.19 | 1.72 | 0.65 | 2.22 | 0.88 | 9.21 | 4.39 |
| MEAN | 0.11 | 0.02 | 0.032 | 0.018 | 0.018 | 0.038 | 0.057 | 0.021 | 0.074 | 0.028 | 0.3 | 0.15 |
| MAX | 2.0 | 0.08 | 0.36 | 0.06 | 0.06 | 0.2 | 0.13 | 0.06 | 1.2 | 0.12 | 2.4 | 2.2 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 6.6 | 1.2 | 1.9 | 1.1 | 1 | 2.4 | 3.4 | 1.3 | 4.4 | 1.7 | 18 | 8.7 |
| CAL YEAR 1996 | | TOTAL | 15.63 | MEAN | 0.043 | MAX | 2.0 | MIN | 0 | AC-FT | 31 | |
| WTR YEAR 1997 | | TOTAL | 26.22 | MEAN | 0.072 | MAX | 2.4 | MIN | 0 | AC-FT | 52 | |

08313202 MORTANDAD CANYON AT ENTRANCE TO 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 State Highway 4.

DRAINAGE AREA. 0.81 mi².

PERIOD OF RECORD. October 1, 1996, to September 30, 1997.

GAGE. Data logger with cellular telemetry and 2 ft Parshall Flume. Elevation of gage is 6833.06 ft above *National Geodetic Vertical Datum of 1929*.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 6.4 ft³/s, gage height 0.87 ft, Aug. 17, 1997. No flow most of time.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 6.4 ft³/s, gage height 0.87 ft at 2250 hrs, Aug. 17, 1997. No flow most of time.



08313202 MORTANDAD CANYON AT ENTRANCE TO SEDIMENT TRAPS

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | 0.32 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | 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 | 0.36 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.012 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.32 | 0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0 |
| CAL YEAR 1996 | TOTAL* | | 0.00 | MEAN | 0 | MAX | 0 | MIN | 0 | AC-FT | 0 | |
| WTR YEAR 1997 | TOTAL | | 0.36 | MEAN | 0.001 | MAX | 0.32 | MIN | 0 | ACFT | 0.7 | |

*Incomplete record.

08313203 MORTANDAD CANYON 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 State Highway 4.

DRAINAGE AREA. 0.9 mi², approximately.

PERIOD OF RECORD. October 1, 1996, to September 30, 1997.

GAGE. Data logger and 6 ft Parshall Flume. Elevation of gage is 6811.52 ft above *National Geodetic Vertical Datum of 1929*.

EXTREMES FOR PERIOD OF RECORD. No flow for period.

EXTREMES FOR CURRENT WATER YEAR. No flow all year.



08313203 MORTANDAD CANYON BELOW SEDIMENT TRAPS

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | |
|---------------|--------|---|------|---|-----|---|-----|---|-------|---|
| CAL YEAR 1996 | TOTAL* | 0 | MEAN | 0 | MAX | 0 | MIN | 0 | AC-FT | 0 |
| WTR YEAR 1997 | TOTAL | 0 | MEAN | 0 | MAX | 0 | MIN | 0 | AC-FT | 0 |

*Incomplete record.

08313204 MORTANDAD CANYON AT LABORATORY BOUNDARY

LOCATION. Lat 35°51'22", long 106°14'42", 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 State Highway 4.

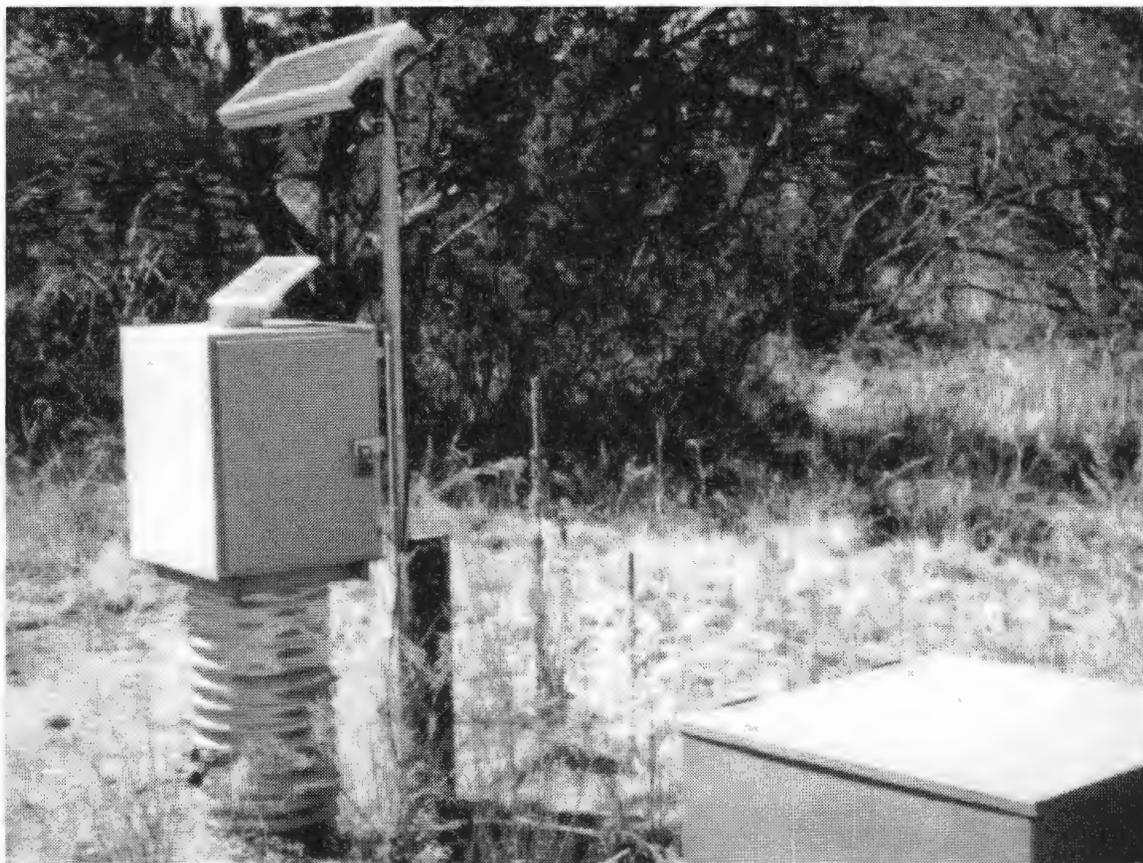
DRAINAGE AREA. 1.67 mi².

PERIOD OF RECORD. October 1, 1993, to September 30, 1997.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6657.66 ft. above *National Geodetic Vertical Datum of 1929* from survey.

EXTREMES FOR PERIOD OF RECORD. No flow for period.

EXTREMES FOR CURRENT WATER YEAR. No flow for year.



08313204 MORTANDAD CANYON AT LABORATORY BOUNDARY

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CAL YEAR 1996 | TOTAL | 0 | | MEAN | 0 | | MAX | 0 | | MIN | 0 | AC-FT | 0 |
| WTR YEAR 1997 | TOTAL | 0 | | MEAN | 0 | | MAX | 0 | | MIN | 0 | AC-FT | 0 |

08313225 CAÑADA DEL BUEY ABOVE WHITE ROCK, NM

LOCATION. Lat 35°50'07", long 106°14'29", 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 State Highway 4 in White Rock.

DRAINAGE AREA. 1.58 mi².

PERIOD OF RECORD. October 1993 to September 30, 1997.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6620 ft above *National Geodetical Vertical Datum of 1929* from topographic map.

REMARKS. Water discharge records fair.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 17 cfs Sept. 8, 1995, gage height 2.71 ft. No flow most of time.

EXTREMES FOR CURRENT WATER YEAR. No flow for year.



08313225 CAÑADA DEL BUEY ABOVE WHITE ROCK, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CAL YEAR 1996 | TOTAL | 0 | | MEAN | 0 | | MAX | 0 | | MIN | 0 | AC-FT | 0 |
| WTR YEAR 1997 | TOTAL | 0 | | MEAN | 0 | | MAX | 0 | | MIN | 0 | AC-FT | 0 |

08313230 CAÑADA DEL BUEY AT WHITE ROCK, NM

LOCATION. Lat 35°49'39", long 106°12'40", in Ramon Vigil Grant, Los Alamos County, 250 ft upstream from NM State Highway 4 in White Rock, NM.

DRAINAGE AREA. 2.14 mi².

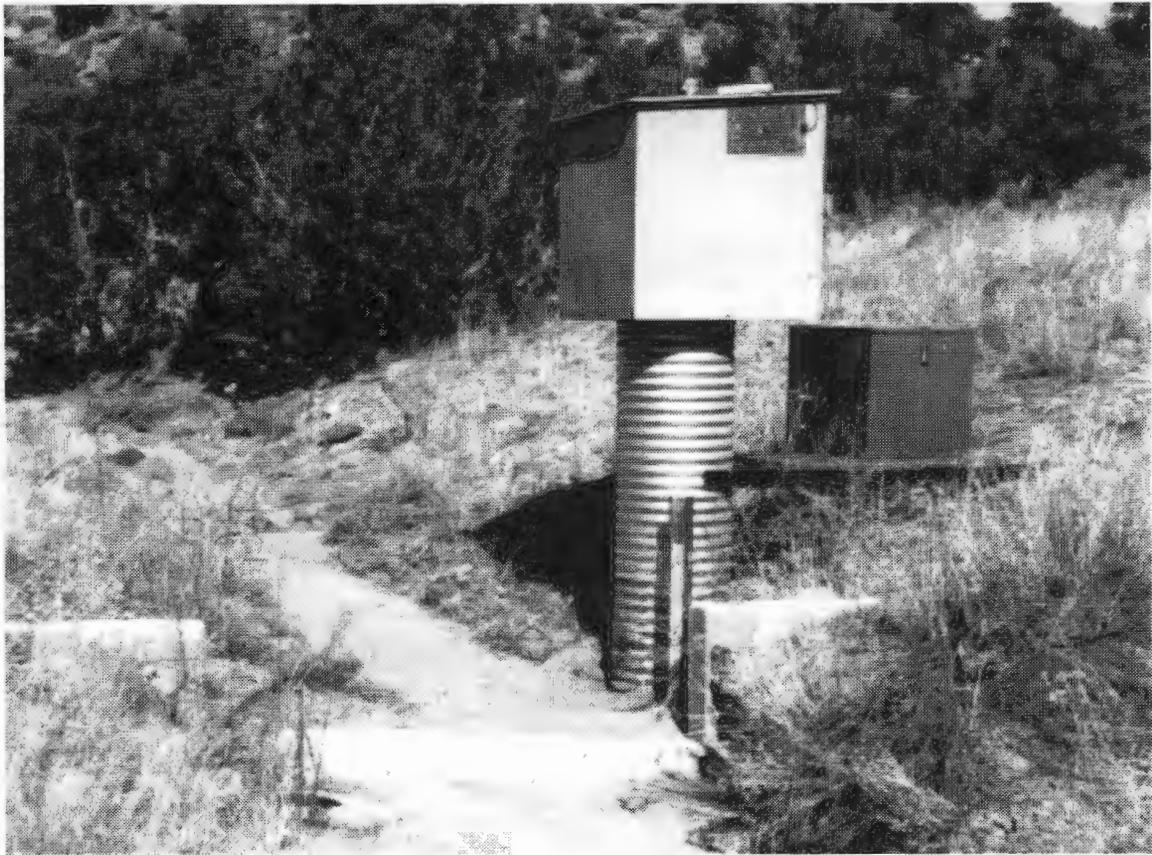
PERIOD OF RECORD. October 1991 to September 30, 1997.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6415 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Water discharge records fair.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 112 cfs Aug. 14, 1994, gage height 2.40 ft. No flow most of the time.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 16 cfs at 2135 hrs Aug. 17, gage height 1.10 ft. No flow most of the time.



08313230 CAÑADA DEL BUEYATWHITE ROCK, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | 0.02 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.12 | 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 | 0.06 | 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 | 0.14 | 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 | 0.05 | 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 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.39 | 0 |
| MEAN | 0.003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.013 | 0 |
| MAX | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.14 | 0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0.20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 |
| CAL YEAR 1996 | TOTAL | 2.88 | MEAN | .008 | MAX | 0.91 | MIN | 0 | AC-FT | 50.7 | | |
| WTR YEAR 1997 | TOTAL | 0.49 | MEAN | .001 | MAX | 0.14 | MIN | 0 | AC-FT | 10 | | |

**08313240 PAJARITO CANYON ABOVE HIGHWAY 501
NEAR LOS ALAMOS, NM**

LOCATION. Lat 35°52'06", 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, 200 ft upstream from NM State Highway 501.

DRAINAGE AREA. 1.90 mi².

PERIOD OF RECORD. October 1993 to September 30, 1997.

GAGE. Data logger with cellular telemetry and Parshall Flume. Elevation of gage is 7760 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REVISIONS. Gage height "Extremes for Period of Record" WDR 1997 (gage height).

REMARKS. Records good except for estimated days, which are poor.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 2.4 cfs, June 21, 1994, gage height 0.85 ft. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 1.1 cfs at 1540 hrs, Sept. 10, gage height 0.54 ft. No flow at times.



**08313240 PAJARITO CANYON ABOVE HIGHWAY 501
NEAR LOS ALAMOS, NM**

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND
WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|--------------|-------|-----|-----|-----|-----|------|--------|-------|-------|------|------|------|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.14 | 0.58 | 0.44 | 0.23 | 0.12 | 0.21 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.15 | 0.55 | 0.42 | 0.23 | 0.10 | 0.19 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.16 | 0.49 | 0.38 | 0.22 | 0.12 | 0.25 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0.21 | 0.45 | 0.36 | 0.22 | 0.17 | 0.35 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0.17 | 0.43 | 0.34 | 0.22 | 0.21 | 0.46 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.12 | 0.42 | 0.36 | 0.21 | 0.22 | 0.46 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.08e* | 0.42 | 0.46 | 0.21 | 0.28 | 0.40 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.06e | 0.41 | 0.47 | 0.23 | 0.24 | 0.32 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0.04 | 0.06e | 0.39 | 0.45 | 0.23 | 0.18 | 0.31 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0.08 | 0.07e | 0.36 | 0.41 | 0.21 | 0.13 | 0.34 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0.10 | 0.09e | 0.33 | 0.38 | 0.21 | 0.10 | 0.37 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.10e | 0.31 | 0.37 | 0.20 | 0.18 | 0.34 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.09e | 0.28 | 0.36 | 0.19 | 0.23 | 0.33 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.09e | 0.25 | 0.35 | 0.16 | 0.23 | 0.28 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.07e | 0.25 | 0.36 | 0.08 | 0.22 | 0.26 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.05e | 0.31 | 0.34 | 0.07 | 0.19 | 0.26 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.06e | 0.30 | 0.31 | 0.07 | 0.23 | 0.24 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.10 | 0.30 | 0.28 | 0.11 | 0.23 | 0.22 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0.18 | 0.14e | 0.34 | 0.28 | 0.12 | 0.20 | 0.21 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0.20 | 0.21e | 0.46 | 0.28 | 0.12 | 0.19 | 0.24 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0.23 | 0.31e | 0.63 | 0.32 | 0.11 | 0.20 | 0.32 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0.26 | 0.37e | 0.64 | 0.35 | 0.10 | 0.24 | 0.51 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0.29 | 0.40e | 0.66 | 0.34 | 0.11 | 0.23 | 0.45 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0.29 | 0.44 | 0.66 | 0.31 | 0.08 | 0.29 | 0.34 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0.28 | 0.37 | 0.61 | 0.28 | 0.07 | 0.26 | 0.28 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0.18 | 0.35 | 0.56 | 0.26 | 0.08 | 0.24 | 0.24 |
| 27 | 0.02 | 0 | 0 | 0 | 0 | 0.09 | 0.38 | 0.53 | 0.26 | 0.06 | 0.23 | 0.20 |
| 28 | 0.05 | 0 | 0 | 0 | 0 | 0.08 | 0.44 | 0.52 | 0.25 | 0.08 | 0.22 | 0.19 |
| 29 | 0.03 | 0 | 0 | 0 | — | 0.11 | 0.49 | 0.50 | 0.25 | 0.09 | 0.22 | 0.18 |
| 30 | 0 | 0 | 0 | 0 | — | 0.12 | 0.54 | 0.47 | 0.24 | 0.11 | 0.22 | 0.18 |
| 31 | 0 | — | 0 | 0 | — | 0.12 | — | 0.45 | — | 0.16 | 0.24 | — |
| TOTAL | 0.10 | 0 | 0 | 0 | 0 | 3.71 | 6.31 | 13.86 | 10.26 | 4.59 | 6.36 | 8.93 |
| MEAN | 0.003 | 0 | 0 | 0 | 0 | 0.12 | 0.21 | 0.45 | 0.34 | 0.15 | 0.21 | 0.30 |
| MAX | 0.05 | 0 | 0 | 0 | 0 | 0.29 | 0.54 | 0.66 | 0.47 | 0.23 | 0.29 | 0.51 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0.05 | 0.25 | 0.24 | 0.06 | 0.10 | 0.18 |
| AC-FT | 0.20 | 0 | 0 | 0 | 0 | 7.4 | 13 | 27 | 20 | 9.1 | 13 | 18 |

| | | | | | | | | | | |
|---------------|-------|-------|------|-------|-----|------|-----|---|-------|-----|
| CAL YEAR 1996 | TOTAL | 10.82 | MEAN | 0.030 | MAX | 1.7 | MIN | 0 | AC-FT | 21 |
| WTR YEAR 1997 | TOTAL | 54.12 | MEAN | 0.15 | MAX | 0.66 | MIN | 0 | AC-FT | 107 |

*e—estimated.

08313245 PAJARITO CANYON ABOVE TA-18 NEAR LOS ALAMOS, NM

LOCATION. Lat 35°50'59", long 106°17'02", Ramon Vigil Grant, Los Alamos County, 1.5 mi upstream from LANL TA-18 and Three-Mile Canyon and 0.15 mi SE of Pajarito Road.

DRAINAGE AREA. 7.84 mi².

PERIOD OF RECORD. November 1993 to September 30, 1997.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6865 ft. above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Water discharge records fair.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 30 cfs, Aug. 17, 1997, gage height 2.52 ft. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 30 cfs, 2150 hrs, Aug. 17, gage height 2.52 ft. No flow most of time.



08313245 PAJARITO CANYON ABOVE TA-18 NEAR LOS ALAMOS, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | |
|----------------------|--------------|-------|--------|-------------|-----|-------|------------|-------|------|------------|-------|-------|--------------|-----|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.55 | 0.79 | 0.28 | 0 | 0 | 0 | | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.56 | 0.77 | 0.27 | 0 | 0 | 0 | | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.63 | 0.73 | 0.23 | 0 | 0.09 | 1.3 | | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0.76 | 0.68 | 0.22 | 0 | 0.52 | 0.57 | | |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0.67 | 0.62 | 0.33 | 0 | 0.73 | 2.0 | | |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.73 | 0.57 | 0.28 | 0 | 0.45 | 0.94 | | |
| 7 | 0 | 0.04 | 0 | 0 | 0 | 0 | 0.63 | 0.53 | 1.1 | 0 | 1.0 | 0.09 | | |
| 8 | 0 | 0.02 | 0 | 0 | 0 | 0 | 0.57 | 0.52 | 0.76 | 0 | 0.54 | 0 | | |
| 9 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0.54 | 0.51 | 0.56 | 0 | 0.34 | 0 | | |
| 10 | 0 | 0.04 | 0 | 0 | 0 | 0 | 0.47 | 0.50 | 0.52 | 0 | 0.11 | 0.77 | | |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0.39 | 0.44 | 0.44 | 0 | 0 | 0.39 | | |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0.39 | 0.37 | 0.36 | 0 | 0 | 0.02 | | |
| 13 | 0 | 0 | 0 | 0 | 0 | 0.08 | 0.56 | 0.34 | 0.32 | 0 | 0.64 | 0 | | |
| 14 | 0 | 0 | 0 | 0 | 0 | 0.92 | 0.64 | 0.29 | 0.27 | 0 | 0.04 | 0 | | |
| 15 | 0 | 0 | 0 | 0 | 0 | 0.94 | 0.37 | 0.26 | 0.24 | 0 | 0 | 0 | | |
| 16 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0.32 | 0.32 | 0.24 | 0 | 0 | 0 | | |
| 17 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0.30 | 0.32 | 0.21 | 0 | 2.4 | 0 | | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0.99 | 0.28 | 0.29 | 0.18 | 0 | 1.9 | 0 | | |
| 19 | 0 | 0 | 0 | 0 | 0 | 0.91 | 0.24 | 0.28 | 0.16 | 0 | 0.39 | 0 | | |
| 20 | 0 | 0 | 0 | 0 | 0 | 0.91 | 0.24 | 0.60 | 0.10 | 0 | 0.86 | 0.34 | | |
| 21 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.27 | 0.54 | 0.05 | 0 | 0.73 | 1.9 | | |
| 22 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.33 | 0.53 | 0.04 | 0 | 1.0 | 1.3 | | |
| 23 | 0 | 0 | 0 | 0 | 0 | 0.76 | 0.53 | 0.55 | 0.04 | 0.18 | 0.61 | 0.41 | | |
| 24 | 0 | 0 | 0 | 0 | 0 | 0.73 | 0.70 | 0.58 | 0.01 | 0 | 0.75 | 0.30 | | |
| 25 | 0 | 0 | 0 | 0 | 0 | 0.70 | 0.79 | 0.56 | 0 | 0 | 1.0 | 0.23 | | |
| 26 | 0 | 0 | 0 | 0 | 0 | 0.74 | 0.84 | 0.52 | 0 | 0 | 0.53 | 0.19 | | |
| 27 | 0 | 0 | 0 | 0 | 0 | 0.76 | 0.82 | 0.46 | 0 | 0 | 0.33 | 0.11 | | |
| 28 | 1.1 | 0 | 0 | 0 | 0 | 0.72 | 0.77 | 0.38 | 0 | 0 | 0.18 | 0.02 | | |
| 29 | 0.12 | 0 | 0 | 0 | — | 0.66 | 0.75 | 0.36 | 0 | 0 | 0.06 | 0 | | |
| 30 | 0 | 0 | 0 | 0 | — | 0.58 | 0.77 | 0.32 | 0 | 0.11 | 0 | 0 | | |
| 31 | 0 | — | 0 | 0 | — | 0.56 | — | 0.31 | — | 0.15 | 0.37 | — | | |
| TOTAL | 1.22 | 0.53 | 0 | 0 | 0 | 14.72 | 16.41 | 14.84 | 7.21 | 0.44 | 15.57 | 10.88 | | |
| MEAN | 0.039 | 0.018 | 0 | 0 | 0 | 0.47 | 0.55 | 0.48 | 0.24 | 0.014 | 0.50 | 0.36 | | |
| MAX | 1.1 | 0.43 | 0 | 0 | 0 | 1.1 | 0.84 | 0.79 | 1.1 | 0.18 | 2.4 | 2.0 | | |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0.24 | 0.26 | 0 | 0 | 0 | 0 | | |
| AC-FT | 2.4 | 1.1 | 0 | 0 | 0 | 29 | 33 | 29 | 14 | 0.9 | 31 | 22 | | |
| CAL YEAR 1996 | TOTAL | | 125.51 | MEAN | | 0.34 | MAX | | 3.8 | MIN | | 0 | AC-FT | 249 |
| WTR YEAR 1997 | TOTAL | | 81.82 | MEAN | | 0.22 | MAX | | 2.4 | MIN | | 0 | AC-FT | 162 |

**08313250 PAJARITO CANYON ABOVE HIGHWAY 4
NEAR WHITE ROCK, NM**

LOCATION. Lat 35°49'28", long 106°13'36", in Ramon Vigil Grant, Los Alamos County, 0.25 mi upstream from NM State Highway 4 and White Rock, NM.

DRAINAGE AREA. 10.9 mi².

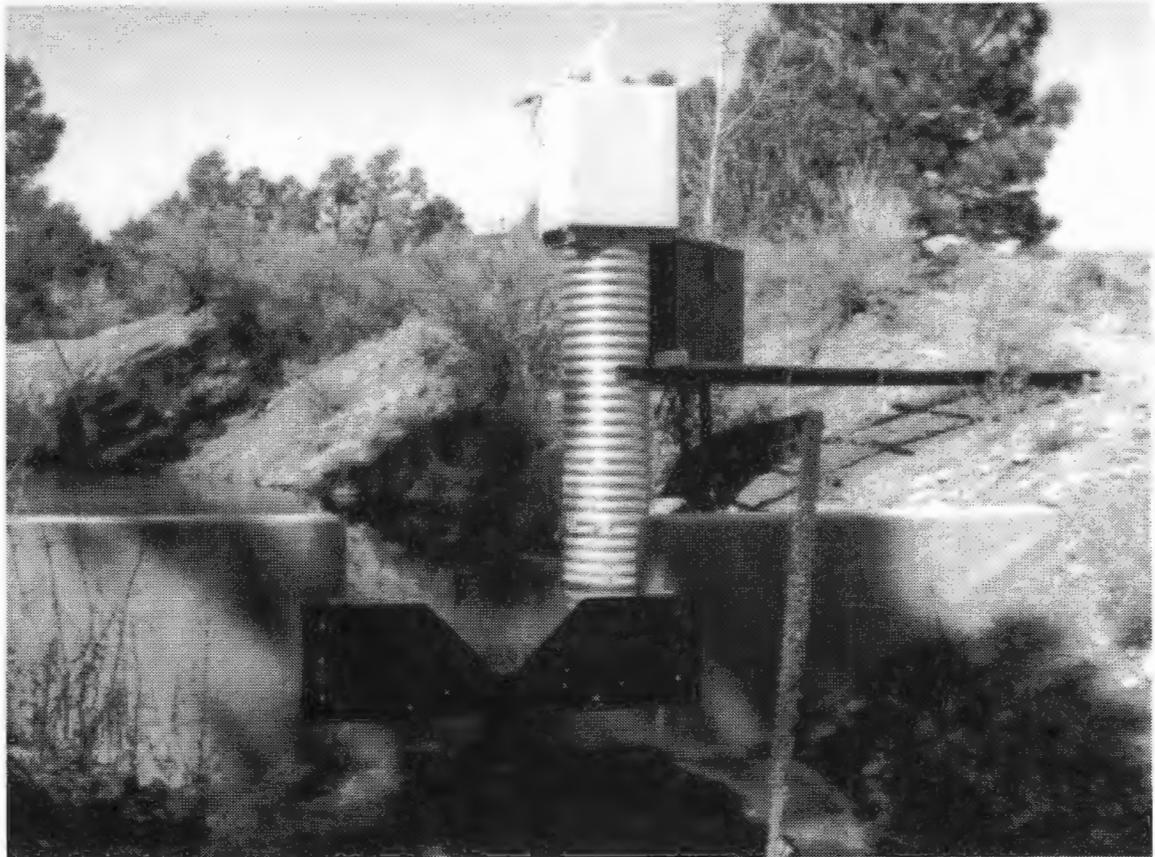
PERIOD OF RECORD. November 1993 to September 30, 1997.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6550 ft above *National Geodetic Vertical Datum of 1929* from topographic map and GPS.

REMARKS. Water discharge records fair.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 13 cfs Jan. 8, 1996, gage height 3.43 ft from water line break. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 0.24 cfs at 0335 hrs Sept. 22, gage height 1.90 ft. No flow most of time.



**08313250 PAJARITO CANYON ABOVE HIGHWAY 4
NEAR WHITE ROCK, NM**

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | 0.04 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.05 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.03 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.03 | 0.03 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.06 | 0.12 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.17 | 0.03 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.13 | 0.02 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | 0.01 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| 29 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| 30 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 |
| 31 | 0 | — | 0 | 0 | — | 0 | — | 0 | — | 0 | 0 | — |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.55 | 0.26 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.018 | 0.009 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.17 | 0.12 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0.5 |
| CAL YEAR 1996 | TOTAL | 1.33 | MEAN | 0.004 | MAX | 0.97 | MIN | 0 | AC-FT | 20.6 | | |
| WTR YEAR 1997 | TOTAL | 0.81 | MEAN | 0.002 | MAX | 0.17 | MIN | 0 | AC-FT | 10.6 | | |

**08313252 WATER CANYON ABOVE HIGHWAY 501
NEAR LOS ALAMOS, NM**

LOCATION. Lat 35°50'11", long 106°21'46", T. 19 N, R. 5 E., Los Alamos County in Santa Fe National Forest, 0.3 mi upstream from NM State Highway 501 and 0.3 mi NW of junction of State Highways 501 and 4.

DRAINAGE AREA. 3.39 mi².

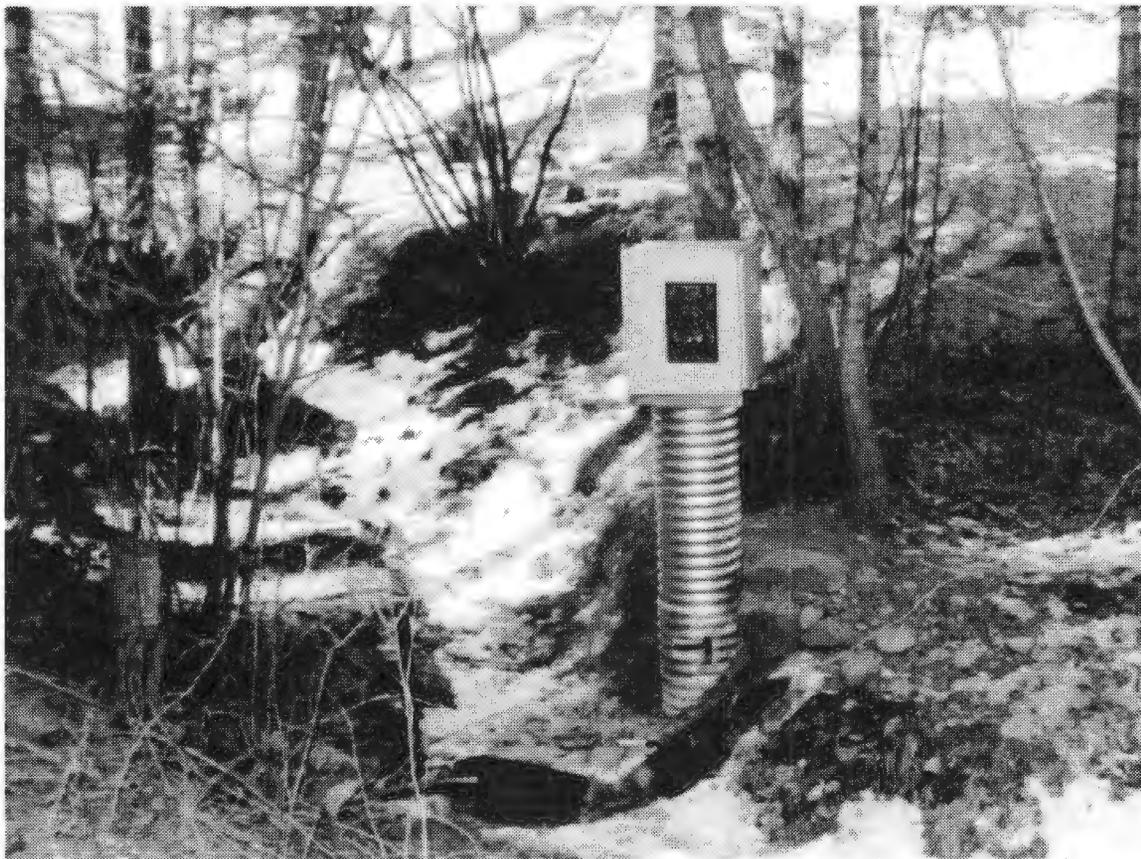
PERIOD OF RECORD. October 1994 to September 30, 1997.

GAGE. Data logger with cellular telemetry and 120-degree weir plate. Elevation of gage is 7575 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Records good.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 0.29 cfs at 1505 hrs, March 23, 1997, gage height 1.54 ft. No flow at times.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 0.29 ft³/s at 1505 hrs, March 23, gage height 1.54 ft. No flow at times.



**08313252 WATER CANYON ABOVE HIGHWAY 501
NEAR LOS ALAMOS, NM**

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------------|--------------|-------|-------|-------------|-------|------------|-------|------------|-------|--------------|-------|------|
| 1 | 0 | 0 | 0.04 | 0.02 | 0 | 0.01 | 0.11 | 0.04 | 0.02 | 0.01 | 0 | 0.01 |
| 2 | 0 | 0 | 0.03 | 0.02 | 0 | 0.01 | 0.12 | 0.04 | 0.02 | 0.01 | 0 | 0.01 |
| 3 | 0 | 0 | 0.03 | 0.02 | 0 | 0.01 | 0.12 | 0.05 | 0.02 | 0.01 | 0 | 0.01 |
| 4 | 0 | 0 | 0.03 | 0.02 | 0 | 0.02 | 0.12 | 0.04 | 0.02 | 0.01 | 0 | 0.01 |
| 5 | 0 | 0 | 0.03 | 0.02 | 0 | 0.02 | 0.12 | 0.04 | 0.02 | 0.01 | 0 | 0.01 |
| 6 | 0 | 0 | 0.03 | 0.02 | 0 | 0.02 | 0.11 | 0.04 | 0.02 | 0.01 | 0 | 0.01 |
| 7 | 0 | 0 | 0.03 | 0.01 | 0 | 0.02 | 0.11 | 0.04 | 0.02 | 0.01 | 0 | 0.01 |
| 8 | 0 | 0 | 0.03 | 0.01 | 0 | 0.02 | 0.09 | 0.04 | 0.02 | 0.01 | 0 | 0.01 |
| 9 | 0 | 0 | 0.03 | 0.01 | 0 | 0.02 | 0.08 | 0.05 | 0.02 | 0 | 0 | 0.01 |
| 10 | 0 | 0 | 0.02 | 0.01 | 0 | 0.03 | 0.08 | 0.04 | 0.01 | 0 | 0.01 | 0.01 |
| 11 | 0 | 0 | 0.02 | 0.01 | 0 | 0.03 | 0.07 | 0.04 | 0.01 | 0 | 0.01 | 0.01 |
| 12 | 0 | 0 | 0.02 | 0.01 | 0 | 0.03 | 0.07 | 0.04 | 0.01 | 0 | 0.01 | 0.01 |
| 13 | 0 | 0.04 | 0.02 | 0.01 | 0 | 0.03 | 0.07 | 0.04 | 0.01 | 0 | 0.01 | 0.01 |
| 14 | 0 | 0.07 | 0.02 | 0.01 | 0 | 0.04 | 0.07 | 0.03 | 0.01 | 0 | 0.01 | 0.01 |
| 15 | 0 | 0.06 | 0.02 | 0.01 | 0 | 0.03 | 0.07 | 0.03 | 0.01 | 0 | 0.01 | 0.01 |
| 16 | 0 | 0.06 | 0.02 | 0.01 | 0 | 0.04 | 0.07 | 0.03 | 0.01 | 0 | 0.01 | 0.01 |
| 17 | 0 | 0.06 | 0.02 | 0.01 | 0 | 0.08 | 0.07 | 0.02 | 0.01 | 0 | 0.01 | 0.01 |
| 18 | 0 | 0.05 | 0.02 | 0.01 | 0 | 0.15 | 0.07 | 0.02 | 0.01 | 0 | 0.01 | 0.01 |
| 19 | 0 | 0.05 | 0.02 | 0.01 | 0 | 0.17 | 0.07 | 0.02 | 0.01 | 0 | 0.01 | 0.01 |
| 20 | 0 | 0.06 | 0.02 | 0.01 | 0 | 0.20 | 0.06 | 0.02 | 0.02 | 0 | 0.01 | 0.01 |
| 21 | 0 | 0.06 | 0.01 | 0.01 | 0 | 0.24 | 0.05 | 0.02 | 0.02 | 0 | 0.01 | 0.01 |
| 22 | 0 | 0.05 | 0.01 | 0.01 | 0 | 0.26 | 0.05 | 0.02 | 0.01 | 0 | 0.01 | 0.01 |
| 23 | 0 | 0.05 | 0.01 | 0.01 | 0 | 0.27 | 0.05 | 0.02 | 0.01 | 0 | 0.01 | 0.01 |
| 24 | 0 | 0.05 | 0.01 | 0.01 | 0 | 0.28 | 0.05 | 0.01 | 0.01 | 0 | 0.01 | 0.01 |
| 25 | 0 | 0.05 | 0.01 | 0.01 | 0 | 0.19 | 0.05 | 0.01 | 0.01 | 0 | 0.01 | 0.01 |
| 26 | 0 | 0.05 | 0.02 | 0.01 | 0 | 0.14 | 0.05 | 0.01 | 0.01 | 0 | 0 | 0.01 |
| 27 | 0 | 0.04 | 0.02 | 0 | 0 | 0.12 | 0.05 | 0.02 | 0.01 | 0 | 0 | 0.01 |
| 28 | 0 | 0.04 | 0.02 | 0 | 0.01 | 0.12 | 0.05 | 0.02 | 0.01 | 0 | 0 | 0.01 |
| 29 | 0 | 0.04 | 0.02 | 0 | — | 0.12 | 0.04 | 0.02 | 0.01 | 0 | 0 | 0.01 |
| 30 | 0 | 0.04 | 0.02 | 0 | — | 0.12 | 0.05 | 0.02 | 0.01 | 0 | 0.01 | 0.01 |
| 31 | 0 | — | 0.02 | 0 | — | 0.12 | — | 0.02 | — | 0 | 0.01 | — |
| TOTAL | 0 | 0.92 | 0.67 | 0.32 | 0.01 | 2.96 | 2.24 | 0.90 | 0.41 | 0.08 | 0.18 | 0.3 |
| MEAN | 0 | 0.031 | 0.022 | 0.01 | 0 | 0.095 | 0.075 | 0.029 | 0.014 | 0.003 | 0.006 | 0.01 |
| MAX | 0 | 0.07 | 0.04 | 0.02 | 0.01 | 0.28 | 0.12 | 0.05 | 0.02 | 0.01 | 0.01 | 0.01 |
| MIN | 0 | 0 | 0.01 | 0 | 0 | 0.01 | 0.04 | 0.01 | 0.01 | 0 | 0 | 0.01 |
| AC-FT | 0 | 1.8 | 1.3 | 0.6 | 0.02 | 5.9 | 4.4 | 1.8 | 0.8 | 0.2 | 0.4 | 0.6 |
| CAL YEAR 1996 | TOTAL | | 1.84 | MEAN | 0.005 | MAX | 0.07 | MIN | 0 | AC-FT | 30.6 | |
| WTR YEAR 1997 | TOTAL | | 8.99 | MEAN | 0.025 | MAX | 0.28 | MIN | 0 | AC-FT | 18 | |

**08313253 CAÑON DEL VALLE ABOVE HIGHWAY 501
NEAR LOS ALAMOS, NM**

LOCATION. Lat 35°51'06", 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, 0.25 mi upstream from NM State Highway 501, 4.7 mi above mouth and 1.5 mi N of junction of State Highways 501 and 4.

DRAINAGE AREA. 2.46 mi².

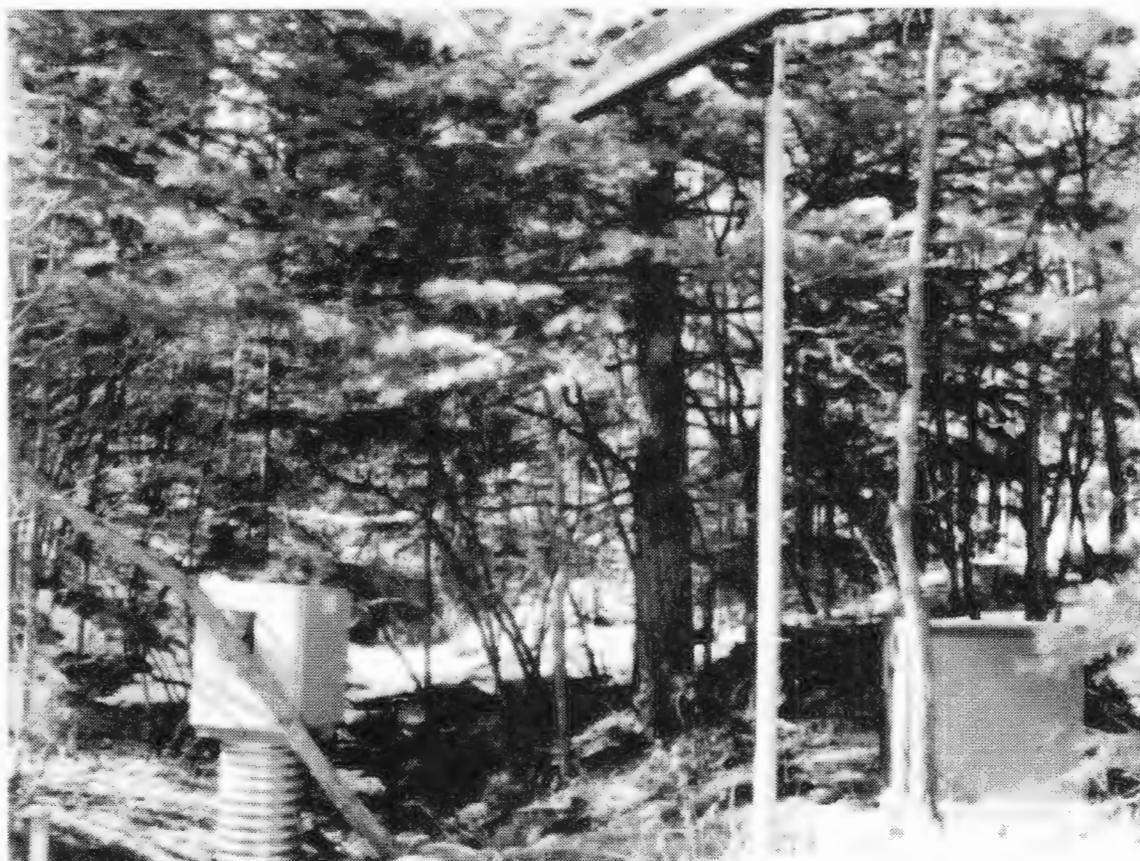
PERIOD OF RECORD. October 1994 to September 30, 1997.

GAGE. Data logger with cellular telemetry and 120° weir plate. Elevation of gage is 7745 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Records good.

EXTREMES FOR PERIOD OF RECORD. No flow for period.

EXTREMES FOR CURRENT WATER YEAR. No flow all year.



**08313253 CAÑON DEL VALLE ABOVE HIGHWAY 501
NEAR LOS ALAMOS, NM**

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND
WATER YEAR OCT 1996 TO SEPT 1997

| 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 | |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CAL YEAR 1996 | TOTAL | 0 | | MEAN | 0 | | MAX | 0 | | MIN | 0 | AC-FT | 0 |
| WTR YEAR 1997 | TOTAL | 0 | | MEAN | 0 | | MAX | 0 | | MIN | 0 | AC-FT | 0 |

08313255 POTRILLO CANYON NEAR WHITE ROCK, NM

LOCATION. Lat 35°48'53", long 106°14'00", in Ramon Vigil Grant, Los Alamos County, 2.0 mi SW of White Rock and 0.25 mi upstream from NM State Highway 4.

DRAINAGE AREA. 2.25 mi².

PERIOD OF RECORD. October 1993 to September 30, 1997.

GAGE. Data logger with cellular telemetry and concrete control. Elevation of gage is 6460 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Water discharge records good.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 63 cfs Aug. 29, 1995, gage height 2.70 ft. No flow most of time.

EXTREMES FOR CURRENT WATER YEAR. Maximum discharge 3.3 cfs at 2140 hrs, Aug. 17, gage height 1.01 ft. No flow most of time.



08313255 POTRILLO CANYON NEAR WHITE ROCK, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | 0.03 | 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 |
| 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 | 0.001 | 0 |
| MAX | 0 | 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 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.06 | 0 |
| CAL YEAR 1996 | TOTAL | 0.01 | MEAN | 0 | MAX | 0.01 | MIN | 0 | AC-FT | 0.2 | | |
| WTR YEAR 1997 | TOTAL | 0.03 | MEAN | 0 | MAX | 0.03 | MIN | 0 | AC-FT | 0.6 | | |

**08313265 WATER CANYON BELOW HIGHWAY 4
NEAR WHITE ROCK, NM**

LOCATION. Lat 35°48'20", long 106°14'32" in Ramon Vigil Grant, Los Alamos County, 4.0 mi SW of White Rock and 0.4 mi downstream from NM State Highway 4.

DRAINAGE AREA. 6.83 mi².

PERIOD OF RECORD. October 1993 through September 1997.

GAGE. Data logger with cellular telemetry and stabilized natural rock control. Elevation of gage is 6310 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Water discharge records fair. Automatic sampler in separate shelter is actuated by data logger.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge, 21 ft³/s, gage height 0.99 ft, Aug. 29, 1995. No flow most of time.

EXTREMES FOR CURRENT YEAR. No flow all year.



**08313265 WATER CANYON BELOW HIGHWAY 4
NEAR WHITE ROCK, NM**

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND
WATER YEAR OCT 1996 TO SEPT 1997

| 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 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CAL YEAR 1996 | TOTAL | 0 | MEAN | 0 | MAX | 0 | MIN | 0 | AC-FT | 0 | | |
| WTR YEAR 1997 | TOTAL | 0 | MEAN | 0 | MAX | 0 | MIN | 0 | AC-FT | 0 | | |

08313275 ANCHO CANYON NEAR BANDELIER NATIONAL PARK, NM

LOCATION. Lat 35°46'54", long 106°14'42", in Ramon Vigil Grant, Los Alamos County, 5.5 mi SW of White Rock at 0.3 mi downstream from NM State Highway 4.

DRAINAGE AREA. 4.55 mi².

PERIOD OF RECORD. December 1993 to September 1997.

GAGE. Data logger with cellular telemetry and concrete stabilized natural control. Elevation of gage is 6220 ft above *National Geodetic Vertical Datum of 1929* from topographic map.

REMARKS. Water discharge records fair.

EXTREMES FOR PERIOD OF RECORD. Maximum discharge 520 ft³/s, gage height 2.71 ft, June 29, 1995. No flow most of time.

EXTREMES FOR CURRENT YEAR. Maximum discharge 98 ft³/s, gage height 1.82 ft at 2115 hrs, Aug. 17. No flow most of time.



08313275 ANCHO CANYON NEAR BANDELIER NATIONAL PARK, NM

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| 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 | 0.69 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | 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 | 0.71 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.023 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.69 | 0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 0 |
| CAL YEAR 1996 | TOTAL | 2.89 | MEAN | 0.008 | MAX | 28 | MIN | 0 | AC-FT | 50.7 | | |
| WTR YEAR 1997 | TOTAL | 0.71 | MEAN | 0.002 | MAX | 0.69 | MIN | 0 | AC-FT | 10.4 | | |

SPRING STATIONS

S001 SWSC LINE SPRING AT TA-16

LOCATION. Lat 35°51'1", long 106°20'23", 30 ft upstream from the sanitary wastewater system consolidation (SWSC) line crossing of Cañon del Valle in Laboratory TA-16.

GAGE. Data logger with 90° weir. Elevation of gage is 7437.0 ft above *National Geodetic Vertical Datum of 1929*.

PERIOD OF RECORD. October 1, 1996, to September 30, 1997.

REMARKS. Water discharge records good.



S001 SWSC LINE SPRING AT TA-16

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0.008 | 0.007 | 0.003 | 0.003 | 0.004 | 0.005 | 0.014 | 0.009 | 0.010 | 0.006 | 0.004 | 0.015 |
| 2 | 0.008 | 0.007 | 0.004 | 0.003 | 0.004 | 0.005 | 0.014 | 0.013 | 0.010 | 0.005 | 0.004 | 0.015 |
| 3 | 0.008 | 0.007 | 0.003 | 0.003 | 0.004 | 0.005 | 0.014 | 0.010 | 0.012 | 0.005 | 0.004 | 0.015 |
| 4 | 0.008 | 0.007 | 0.004 | 0.003 | 0.004 | 0.005 | 0.014 | 0.009 | 0.015 | 0.007 | 0.004 | 0.014 |
| 5 | 0.007 | 0.007 | 0.004 | 0.004 | 0.004 | 0.005 | 0.014 | 0.009 | 0.020 | 0.008 | 0.005 | 0.013 |
| 6 | 0.008 | 0.008 | 0.006 | 0.004 | 0.004 | 0.005 | 0.014 | 0.009 | 0.020 | 0.008 | 0.005 | 0.014 |
| 7 | 0.008 | 0.007 | 0.007 | 0.003 | 0.004 | 0.005 | 0.013 | 0.009 | 0.018 | 0.006 | 0.006 | 0.015 |
| 8 | 0.008 | 0.007 | 0.007 | 0.003 | 0.004 | 0.006 | 0.012 | 0.010 | 0.018 | 0.006 | 0.007 | 0.015 |
| 9 | 0.008 | 0.008 | 0.007 | 0.003 | 0.004 | 0.006 | 0.012 | 0.011 | 0.015 | 0.005 | 0.006 | 0.015 |
| 10 | 0.007 | 0.007 | 0.007 | 0.003 | 0.004 | 0.007 | 0.010 | 0.011 | 0.010 | 0.005 | 0.006 | 0.016 |
| 11 | 0.008 | 0.007 | 0.005 | 0.003 | 0.004 | 0.010 | 0.012 | 0.011 | 0.010 | 0.006 | 0.006 | 0.016 |
| 12 | 0.007 | 0.007 | 0.004 | 0.004 | 0.004 | 0.010 | 0.012 | 0.011 | 0.010 | 0.005 | 0.007 | 0.016 |
| 13 | 0.007 | 0.006 | 0.004 | 0.004 | 0.004 | 0.012 | 0.011 | 0.011 | 0.010 | 0.005 | 0.007 | 0.017 |
| 14 | 0.007 | 0.006 | 0.004 | 0.004 | 0.004 | 0.014 | 0.011 | 0.011 | 0.009 | 0.005 | 0.008 | 0.016 |
| 15 | 0.007 | 0.005 | 0.004 | 0.003 | 0.004 | 0.014 | 0.010 | 0.011 | 0.009 | 0.005 | 0.008 | 0.016 |
| 16 | 0.007 | 0.005 | 0.004 | 0.004 | 0.004 | 0.015 | 0.009 | 0.011 | 0.009 | 0.004 | 0.008 | 0.016 |
| 17 | 0.007 | 0.005 | 0.004 | 0.004 | 0.004 | 0.017 | 0.009 | 0.011 | 0.008 | 0.004 | 0.009 | 0.015 |
| 18 | 0.006 | 0.006 | 0.004 | 0.004 | 0.004 | 0.017 | 0.008 | 0.011 | 0.008 | 0.004 | 0.010 | 0.014 |
| 19 | 0.006 | 0.005 | 0.004 | 0.004 | 0.004 | 0.017 | 0.008 | 0.011 | 0.008 | 0.004 | 0.010 | 0.013 |
| 20 | 0.006 | 0.005 | 0.001 | 0.004 | 0.004 | 0.017 | 0.008 | 0.012 | 0.008 | 0.004 | 0.011 | 0.016 |
| 21 | 0.007 | 0.005 | 0 | 0.004 | 0.004 | 0.018 | 0.010 | 0.011 | 0.007 | 0.004 | 0.011 | 0.017 |
| 22 | 0.007 | 0.004 | 0 | 0.004 | 0.005 | 0.016 | 0.012 | 0.011 | 0.007 | 0.003 | 0.011 | 0.018 |
| 23 | 0.010 | 0.004 | 0.002 | 0.004 | 0.005 | 0.014 | 0.010 | 0.011 | 0.007 | 0.003 | 0.011 | 0.012 |
| 24 | 0.008 | 0.004 | 0.002 | 0.004 | 0.005 | 0.014 | 0.009 | 0.011 | 0.007 | 0.003 | 0.011 | 0.012 |
| 25 | 0.006 | 0.004 | 0.002 | 0.004 | 0.005 | 0.016 | 0.008 | 0.010 | 0.007 | 0.003 | 0.011 | 0.012 |
| 26 | 0.004 | 0.004 | 0.002 | 0.004 | 0.004 | 0.016 | 0.007 | 0.010 | 0.007 | 0.003 | 0.011 | 0.012 |
| 27 | 0.004 | 0.004 | 0.002 | 0.004 | 0.005 | 0.017 | 0.008 | 0.010 | 0.007 | 0.003 | 0.010 | 0.012 |
| 28 | 0.005 | 0.004 | 0.002 | 0.004 | 0.005 | 0.019 | 0.008 | 0.010 | 0.006 | 0.003 | 0.011 | 0.011 |
| 29 | 0.006 | 0.004 | 0.002 | 0.004 | — | 0.019 | 0.009 | 0.010 | 0.006 | 0.004 | 0.014 | 0.011 |
| 30 | 0.007 | 0.004 | 0.003 | 0.004 | — | 0.020 | 0.008 | 0.010 | 0.005 | 0.004 | 0.016 | 0.011 |
| 31 | 0.007 | — | 0.003 | 0.004 | — | 0.018 | — | 0.010 | — | 0.004 | 0.016 | — |
| TOTAL | 0.217 | 0.17 | 0.11 | 0.114 | 0.118 | 0.384 | 0.318 | 0.325 | 0.303 | 0.144 | 0.268 | 0.43 |
| MEAN | 0.007 | 0.006 | 0.004 | 0.004 | 0.004 | 0.012 | 0.011 | 0.010 | 0.010 | 0.005 | 0.009 | 0.014 |
| MAX | 0.010 | 0.008 | 0.007 | 0.004 | 0.005 | 0.020 | 0.014 | 0.013 | 0.020 | 0.008 | 0.016 | 0.018 |
| MIN | 0.004 | 0.004 | 0 | 0.003 | 0.004 | 0.005 | 0.007 | 0.009 | 0.005 | 0.003 | 0.004 | 0.011 |
| AC-FT | 0.43 | 0.337 | 0.218 | 0.226 | 0.234 | 0.762 | 0.631 | 0.645 | 0.601 | 0.286 | 0.532 | 0.853 |

| | | | | | | | | | | |
|---------------|--------|-------|------|-------|-----|-------|-----|---|-------|-------|
| CAL YEAR 1996 | TOTAL* | 0.497 | MEAN | 0.005 | MAX | 0.010 | MIN | 0 | AC-FT | 0.986 |
| WTR YEAR 1997 | TOTAL | 2.901 | MEAN | 0.008 | MAX | 0.020 | MIN | 0 | AC-FT | 5.75 |

*Incomplete record.

S002 BURNING GROUND SPRING AT TA-16

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

GAGE. Data logger with 90° weir. Elevation of gage is 7420.8 ft above *National Geodetic Vertical Datum of 1929*.

PERIOD OF RECORD. October 1, 1996, to September 30, 1997.

REMARKS. Water discharge records good.



S002 BURNING GROUND SPRING AT TA-16

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEP 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0.052 | 0.038 | 0.024 | 0.023 | 0.018 | 0.020 | 0.047 | 0.033 | 0.040 | 0.025 | 0.019 | 0.029 |
| 2 | 0.052 | 0.039 | 0.025 | 0.023 | 0.019 | 0.021 | 0.048 | 0.033 | 0.040 | 0.026 | 0.019 | 0.029 |
| 3 | 0.047 | 0.038 | 0.024 | 0.023 | 0.018 | 0.021 | 0.048 | 0.034 | 0.040 | 0.027 | 0.019 | 0.029 |
| 4 | 0.058 | 0.036 | 0.025 | 0.023 | 0.018 | 0.020 | 0.047 | 0.035 | 0.040 | 0.031 | 0.021 | 0.031 |
| 5 | 0.054 | 0.037 | 0.026 | 0.023 | 0.018 | 0.019 | 0.048 | 0.037 | 0.040 | 0.032 | 0.022 | 0.032 |
| 6 | 0.056 | 0.037 | 0.026 | 0.022 | 0.018 | 0.020 | 0.046 | 0.038 | 0.040 | 0.030 | 0.023 | 0.035 |
| 7 | 0.055 | 0.037 | 0.024 | 0.017 | 0.017 | 0.020 | 0.046 | 0.038 | 0.040 | 0.027 | 0.025 | 0.035 |
| 8 | 0.057 | 0.036 | 0.024 | 0.018 | 0.018 | 0.020 | 0.046 | 0.040 | 0.043 | 0.026 | 0.027 | 0.036 |
| 9 | 0.054 | 0.036 | 0.025 | 0.018 | 0.018 | 0.021 | 0.045 | 0.041 | 0.042 | 0.024 | 0.026 | 0.035 |
| 10 | 0.053 | 0.036 | 0.025 | 0.018 | 0.018 | 0.023 | 0.045 | 0.041 | 0.041 | 0.023 | 0.026 | 0.039 |
| 11 | 0.052 | 0.034 | 0.024 | 0.019 | 0.019 | 0.026 | 0.045 | 0.042 | 0.038 | 0.023 | 0.027 | 0.042 |
| 12 | 0.052 | 0.034 | 0.024 | 0.019 | 0.019 | 0.031 | 0.045 | 0.042 | 0.037 | 0.023 | 0.027 | 0.042 |
| 13 | 0.051 | 0.033 | 0.024 | 0.019 | 0.019 | 0.036 | 0.041 | 0.043 | 0.036 | 0.023 | 0.027 | 0.042 |
| 14 | 0.049 | 0.032 | 0.024 | 0.019 | 0.018 | 0.041 | 0.037 | 0.043 | 0.035 | 0.022 | 0.028 | 0.042 |
| 15 | 0.052 | 0.032 | 0.024 | 0.018 | 0.019 | 0.041 | 0.035 | 0.044 | 0.034 | 0.021 | 0.029 | 0.041 |
| 16 | 0.054 | 0.031 | 0.024 | 0.018 | 0.019 | 0.041 | 0.034 | 0.044 | 0.035 | 0.021 | 0.029 | 0.041 |
| 17 | 0.054 | 0.03 | 0.022 | 0.018 | 0.018 | 0.043 | 0.034 | 0.044 | 0.035 | 0.020 | 0.030 | 0.042 |
| 18 | 0.041 | 0.03 | 0.022 | 0.018 | 0.019 | 0.043 | 0.034 | 0.044 | 0.035 | 0.019 | 0.032 | 0.042 |
| 19 | 0.029 | 0.029 | 0.022 | 0.018 | 0.018 | 0.043 | 0.032 | 0.043 | 0.034 | 0.019 | 0.033 | 0.042 |
| 20 | 0.029 | 0.029 | 0.023 | 0.018 | 0.019 | 0.043 | 0.031 | 0.043 | 0.033 | 0.019 | 0.031 | 0.043 |
| 21 | 0.027 | 0.028 | 0.024 | 0.019 | 0.019 | 0.043 | 0.031 | 0.043 | 0.032 | 0.019 | 0.033 | 0.043 |
| 22 | 0.027 | 0.027 | 0.024 | 0.018 | 0.019 | 0.042 | 0.030 | 0.041 | 0.032 | 0.019 | 0.032 | 0.040 |
| 23 | 0.032 | 0.026 | 0.023 | 0.019 | 0.020 | 0.042 | 0.030 | 0.040 | 0.031 | 0.019 | 0.032 | 0.040 |
| 24 | 0.034 | 0.025 | 0.022 | 0.018 | 0.020 | 0.043 | 0.029 | 0.040 | 0.03 | 0.018 | 0.033 | 0.040 |
| 25 | 0.031 | 0.025 | 0.022 | 0.019 | 0.021 | 0.041 | 0.029 | 0.040 | 0.031 | 0.018 | 0.033 | 0.040 |
| 26 | 0.030 | 0.025 | 0.023 | 0.019 | 0.020 | 0.042 | 0.030 | 0.039 | 0.031 | 0.018 | 0.033 | 0.040 |
| 27 | 0.029 | 0.024 | 0.023 | 0.018 | 0.021 | 0.044 | 0.030 | 0.038 | 0.030 | 0.018 | 0.032 | 0.041 |
| 28 | 0.030 | 0.024 | 0.023 | 0.018 | 0.021 | 0.044 | 0.030 | 0.039 | 0.029 | 0.018 | 0.031 | 0.041 |
| 29 | 0.037 | 0.025 | 0.023 | 0.018 | — | 0.045 | 0.030 | 0.039 | 0.028 | 0.018 | 0.031 | 0.030 |
| 30 | 0.039 | 0.024 | 0.023 | 0.018 | — | 0.045 | 0.030 | 0.040 | 0.028 | 0.019 | 0.030 | 0.030 |
| 31 | 0.040 | — | 0.023 | 0.019 | — | 0.046 | — | 0.039 | — | 0.019 | 0.030 | — |
| TOTAL | 1.357 | 0.937 | 0.734 | 0.595 | 0.528 | 1.07 | 1.133 | 1.24 | 1.06 | 0.684 | 0.87 | 1.134 |
| MEAN | 0.044 | 0.031 | 0.024 | 0.019 | 0.019 | 0.035 | 0.038 | 0.04 | 0.035 | 0.022 | 0.028 | 0.038 |
| MAX | 0.058 | 0.039 | 0.026 | 0.023 | 0.021 | 0.046 | 0.048 | 0.044 | 0.043 | 0.032 | 0.033 | 0.043 |
| MIN | 0.027 | 0.024 | 0.022 | 0.017 | 0.017 | 0.019 | 0.029 | 0.033 | 0.028 | 0.018 | 0.019 | 0.029 |
| AC-FT | 2.69 | 1.86 | 1.46 | 1.18 | 1.05 | 2.12 | 2.25 | 2.46 | 2.1 | 1.36 | 1.73 | 2.25 |
| CAL YEAR 1996 | TOTAL* | | 3.028 | MEAN | 0.033 | MAX | 0.058 | MIN | 0.022 | AC-FT | 6.1 | |
| WTR YEAR 1997 | TOTAL | | 11.342 | MEAN | 0.031 | MAX | 0.058 | MIN | 0.017 | AC-FT | 22.5 | |

*Incomplete record.

S003 MARTIN SPRING AT TA-16

LOCATION. Lat 35°50'32", long 106°20'11", 1/4 mi south of building 344 in Laboratory TA-16.

GAGE. Data logger with 90° weir. Elevation of gage is 7429.5 ft above *National Geodetic Vertical Datum of 1929*.

PERIOD OF RECORD. October 1, 1996, to September 30, 1997.

REMARKS. Water discharge records good.



S003 MARTIN SPRING AT TA-16

DAILY MEAN DISCHARGE IN CUBIC FEET PER SECOND

WATER YEAR OCT 1996 TO SEPT 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0.001 | 0.003 | 0.003 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 |
| 2 | 0.001 | 0.003 | 0.003 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 |
| 3 | 0.001 | 0.003 | 0.004 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 |
| 4 | 0.002 | 0.003 | 0.003 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 |
| 5 | 0.004 | 0.005 | 0.003 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 |
| 6 | 0.005 | 0.005 | 0.003 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.003 |
| 7 | 0.005 | 0.005 | 0.003 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 8 | 0.004 | 0.005 | 0.003 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 9 | 0.004 | 0.005 | 0.003 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 10 | 0.003 | 0.005 | 0.003 | 0.002 | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 11 | 0.004 | 0.006 | 0.003 | 0.002 | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 12 | 0.004 | 0.005 | 0.003 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 13 | 0.004 | 0.005 | 0.003 | 0.002 | 0.002 | 0.003 | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 14 | 0.005 | 0.005 | 0.003 | 0.002 | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 15 | 0.006 | 0.005 | 0.002 | 0.002 | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 16 | 0.006 | 0.005 | 0.003 | 0.002 | 0.001 | 0.004 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 |
| 17 | 0.006 | 0.006 | 0.002 | 0.002 | 0.001 | 0.004 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 |
| 18 | 0.007 | 0.007 | 0.002 | 0.002 | 0.002 | 0.004 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.001 |
| 19 | 0.008 | 0.007 | 0.002 | 0.002 | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.001 |
| 20 | 0.009 | 0.006 | 0.001 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.001 |
| 21 | 0.006 | 0.006 | 0.001 | 0.003 | 0.002 | 0.003 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 22 | 0.004 | 0.006 | 0.001 | 0.003 | 0.002 | 0.003 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 23 | 0.004 | 0.005 | 0.001 | 0.003 | 0.002 | 0.003 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 24 | 0.005 | 0.004 | 0.001 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 25 | 0.003 | 0.004 | 0.002 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 26 | 0.001 | 0.004 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| 27 | 0.001 | 0.004 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |
| 28 | 0.001 | 0.004 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |
| 29 | 0.002 | 0.004 | 0.001 | 0.002 | — | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |
| 30 | 0.003 | 0.003 | 0.001 | 0.002 | — | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 |
| 31 | 0.003 | — | 0.001 | 0.002 | — | 0.002 | — | 0.001 | — | 0.001 | 0.002 | — |
| TOTAL | 0.122 | 0.143 | 0.068 | 0.065 | 0.045 | 0.069 | 0.056 | 0.057 | 0.041 | 0.031 | 0.056 | 0.057 |
| MEAN | 0.004 | 0.005 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 |
| MAX | 0.009 | 0.007 | 0.004 | 0.003 | 0.002 | 0.004 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.003 |
| MIN | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| AC-FT | 0.242 | 0.284 | 0.135 | 0.129 | 0.089 | 0.137 | 0.111 | 0.113 | 0.081 | 0.061 | 0.111 | 0.113 |

CAL YEAR 1996 TOTAL* 0.333 MEAN 0.004 MAX 0.009 MIN 0.001 AC-FT 0.661

WTR YEAR 1997 TOTAL 0.810 MEAN 0.002 MAX 0.009 MIN 0.001 AC-FT 1.61

*Incomplete record.

This report has been reproduced directly from the best available copy.

It is available to DOE and DOE contractors from the Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831. Prices are available from (615) 576-8401.

It is available to the public from the National Technical Information Service, US Department of Commerce, 5285 Port Royal Rd. Springfield, VA 22616.

Los Alamos
NATIONAL LABORATORY

Los Alamos, New Mexico 87545