

AVAILABILITY OF HYDROLOGIC DATA IN

SAN JUAN COUNTY, NEW MEXICO

BY R. L. Klausing and G. E. Welder

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CONVERSION FACTORS

In this report measurements are given in inch-pound units only. The following table contains factors for converting these units to metric units.

<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
foot	0.3048	meter
mile	1.609	kilometer
gallon	3.785	liter
acre-foot	0.001233	cubic hectometer
gallon per minute	0.06309	liter per second
cubic foot per second	0.02832	cubic meter per second

Not reviewed or edited for conformity with U.S. Geological Survey stratigraphic nomenclature.

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ABSTRACT

Information collected in San Juan County, New Mexico, at 1,877 water wells, 39 streamflow-gaging stations, and 172 springs are presented. The collection sites and geology are shown on a base map with a scale of 1 inch = 2 miles.

INTRODUCTION

San Juan County is in the northwestern corner of New Mexico (fig. 1). Surface water from the San Juan, Animas, and La Plata Rivers has been a principal source of water for the county, but the water in these streams is fully appropriated. Ground water is present in San Juan County in several bedrock formations and in the alluvium of the river valleys.

The purpose of this report is to describe the types of hydrologic data that have been collected in San Juan County, to present examples of the data, to show the locations of the data-collection sites, and to indicate where more complete records may be obtained. This report is intended to serve as a data base that may be helpful in assessing the quantity, quality, and availability of the county's water resources.

The study was conducted by the U.S. Geological Survey in cooperation with the San Juan County Commission from July 1, 1983 to July 1, 1984.

PRESENTATION OF THE DATA

Information is presented in this report about water wells, springs, and streamflow-gaging stations in San Juan County. The locations and descriptive information for 1,877 wells, 172 springs, and 39 streamflow-gaging stations are listed in the tables. The locations of wells and gaging stations are shown on plate 1, as are springs with yields exceeding 10 gallons per minute. The generalized distribution of geologic formations that are exposed at the land surface is also shown on plate 1.

The hydrologic information in table 1 is a duplication of some of the data that were compiled by the U.S. Geological Survey for table 1 of the report by Stone and others (1983). Table 1 is a compilation of information on wells and springs that were in existence in San Juan County prior to 1978. Included in the table are 887 wells and 172 springs; 406 wells and 144 springs are on the Navajo Indian Reservation in the western half of the county. The lines at the left margin of table 1 indicate wells or springs that are a few miles outside of the county; this information may be useful in defining hydrologic conditions near the eastern or southern county boundaries.

Hydrologic data furnished by the New Mexico State Engineer Office are included in table 2. The data are preliminary and subject to revision. Generally, the wells listed in this table were drilled from 1978 to 1983. Included in the table are 990 wells in San Juan County; 43 wells are in the western half of the county on the Navajo Indian Reservation. Most of the wells in the vicinity of the towns of Bloomfield, Farmington, and Aztec are shallow domestic wells drilled in the Animas, La Plata, and San Juan River valleys. The lines at the left margin of table 2 indicate wells that are a few miles east of the county; this well data may be useful in defining hydrologic conditions near the eastern boundary of the county.

Descriptions of 39 streamflow-gaging stations are listed in table 3. Twenty-one of the stations were active in 1984 and the remainder were in use at various times in the past. The stations are located on the Animas, Chaco, La Plata, and San Juan Rivers, and their tributaries which flow through San Juan County. Twenty-eight of the stations are located in San Juan County, New Mexico, four in McKinley County, New Mexico, six in Colorado, and one in Utah. The descriptions include a detailed location, the size of the drainage area upstream from the station, the period of record, the type and altitude of the gage, miscellaneous remarks concerning the quality of the record and the availability of water-quality data, and the average and extreme discharges. Daily discharges are given for the 1982 water year (October 1, 1981, through September 30, 1982) or the last year of record for a discontinued station. The stations listed in the table are the principal collection sites for surface-water data published by the U.S. Geological Survey.

Additional information about many of the wells listed in tables 1 and 2 is available from the sources given in table 1 and from the U.S. Geological Survey and the State Engineer Office in Albuquerque, New Mexico. Stream-discharge data for the period of record of the 39 stations listed in table 3 are available from computer files of the U.S. Geological Survey. Water-quality data that have been collected at the wells and streamflow-gaging stations indicated by the solid symbols on plate 1 are also available from the U.S. Geological Survey or the New Mexico Bureau of Mines and Mineral Resources in Socorro.

USE OF THE MAP AND DATA TABLES

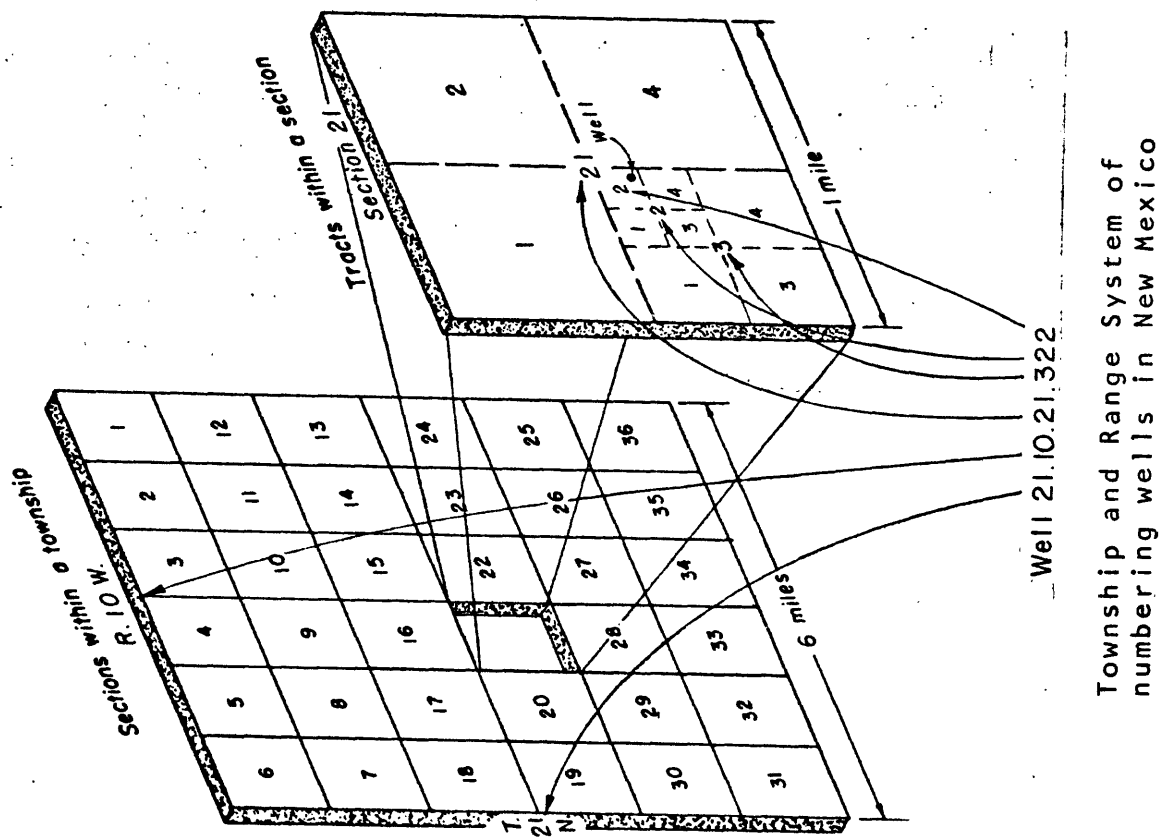
The locations where hydrologic data have been collected are shown on plate 1. The hydrologic conditions at a known well site, for example, may be projected to an adjacent site where new water supplies might be needed, if geologic conditions are similar. Such extrapolations, however, need to be made with caution.

The stream-discharge data given in table 3 (station locations on plate 1) provide information on streamflow characteristics, such as average and peak flows and surface-water quality. This information may be used to determine the relative amounts of water that can be delivered to surface-water users, to estimate quantities of water that may be available for future use, to determine high- and low-water stream stages, and to aid in designing roads, bridges, and other structures.

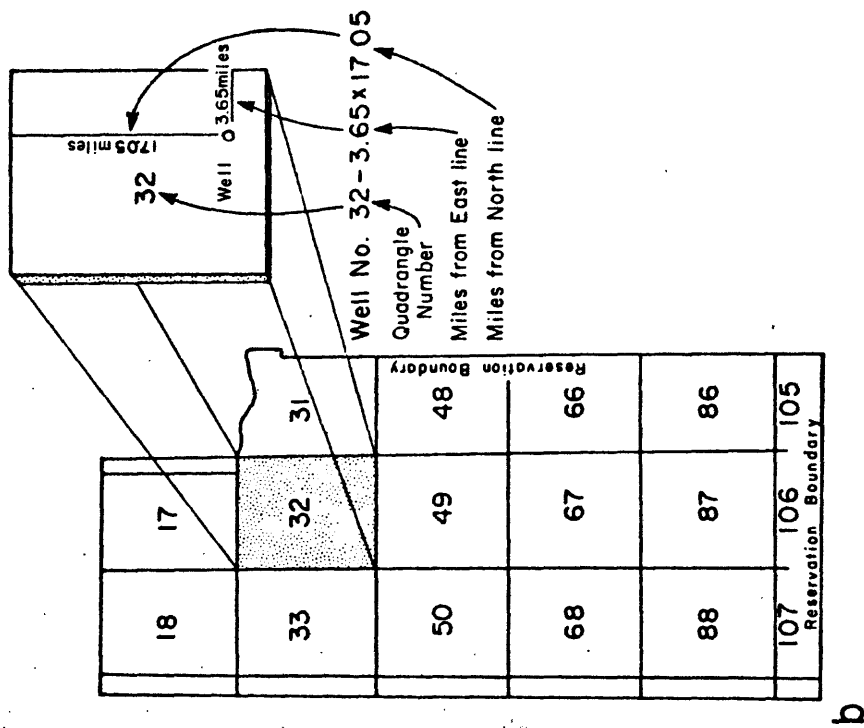
WELL-NUMBERING SYSTEMS

Two numbering systems are used in this report to locate a well. The first uses the common subdivision of lands into townships, ranges, and sections. In this system, the location number is divided into four segments separated by periods. The first segment indicates the township north of the New Mexico Base Line and the second denotes the range west of the New Mexico Principal Meridian. The third segment indicates the section within the township and the fourth segment indicates the tract within which the well is located. To determine the fourth segment of the location number, the section is divided into quarters numbered 1, 2, 3, and 4 for the NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, and SE $\frac{1}{4}$ respectively. The quarter section may be further subdivided in a similar manner. The number of digits in the fourth segment of the location number indicates the degree of accuracy in locating the well. One digit indicates the location only could be determined to a 160-acre tract; two digits, 40-acre tract; three digits, 10-acre tract; and four digits, 2 $\frac{1}{2}$ -acre tract. A well with a location number 21.07.28.213 is located in the southwest $\frac{1}{4}$ of the northwest $\frac{1}{4}$ of the northeast $\frac{1}{4}$ of section 28, Township 21 North, Range 7 West (fig. 2).

A different numbering system is used for the main part of the Navajo Reservation. This area is divided into 15-minute quadrangles, each of which is assigned a number. The well number consists of the quadrangle number followed by the distance in miles from the east line and the distance in miles from the north line, in that order. Thus, a well numbered 32 - 3.65 x 17.05 is in quadrangle number 32, 3.65 miles from the east line and 17.05 from the north line as shown in figure 2.



Township and Range System of numbering wells in New Mexico



System of numbering wells on the Navajo Indian Reservation

Figure 2.--Well-numbering systems.

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- Kister, L. R., and Hatchett, J. L., 1963, Selected chemical analyses of ground water, part 2, in Geohydrologic data in the Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah, Arizona Land Development: Water Resources Report 12-B, 58 p.
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- Shomaker, J. W., 1976, Summary of well and spring records near Star Lake Mine area (McKinley County): Consulting report to Genge Environmental Consultants, 14 p.

SELECTED REFERENCES - Concluded

- Stone, W. J., Lyford, F. P., Frenzel, P. F., Mizell, N. H., and Padgett, E. T., 1983, Hydrology and water resources of San Juan basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6, 70 p., 103 figs., 14 tables.
- U.S. Geological Survey, various years, Water resources data for New Mexico: U.S. Geological Survey Water-Supply Papers (prior to 1962) and annual water-data reports (1962-83).
- Wright, A. F., 1979, Bibliography of the geology and hydrology of the San Juan Basin, New Mexico: U.S. Geological Survey Bulletin 1481, 123 p.

Table 1.--Records of water wells and springs in San Juan
County prior to 1978

EXPLANATION

LOCATION.--The location of a well or spring is described by using the system of quartering by sections (example: 24.13.9.134) or the numbering system for the Navajo Reservation (example: 33-7.16x8.96). The systems are explained in the text and shown in figure 2. All locations are defined as accurately as possible with the information available.

LATITUDE-LONGITUDE.--Latitude and longitude are reported in degrees, minutes, and seconds (example: 363010 1084525 = lat 36° 30' 10" N, long 108° 45' 25" W). If the exact location of a well or spring is unknown, the latitude and longitude at the center of the smallest subdivision of a section as indicated in the location number is given. Latitudes and longitudes were not computed for sites that could not be located more accurately than a quarter section.

NUMBER OR NAME.--The number or name assigned to a well may be the owner's name or number, the BIA or Navajo name or number, a traditional name, or the name of a nearby landmark. Springs and dug wells are identified under this heading.

DEPTH.--Depth is the total depth of a well (in feet) below land surface that was obtained from driller's records, measured (M) by U.S. Geological Survey, reported by individuals, or estimated (E). Wells that have been plugged back or deepened have the original depth noted in "Remarks". If the depth is questionable, it is marked with a "Q".

ALTITUDE.--Altitude of the land surface (in feet) above sea level at the well or spring. If an altitude was not recorded in field data or a location was not precise, the altitude reported was at the center of the smallest subdivision of a section as indicated in the location number. Altitudes are estimated (E) at sites with vague locations.

DEPTH TO WATER.--Depth to water below land surface (in feet). Values with decimal point accuracy were measured, others reported (R) or estimated (E). A plus sign (+) indicates the water level is above the land surface. "F" indicates the well was flowing on the date given.

DATE.--The date given is that of the water-level measurement noted on the same line. If no water level is noted, a date in this column is given to establish the well's existence at that particular time.

PRODUCING INTERVAL.--Producing interval is the depth (in feet) below land surface in the well that is open to the water-bearing unit.

PRINCIPAL WATER-BEARING UNIT(S).--The abbreviations of the geologic formation(s) that contain the water-bearing units are as follows:

Quaternary:

- Qal - Alluvium
- Qc - Colluvium (landslide, talus)

Tertiary:

- Tc - Chuska Sandstone
- Tsq - San Jose Formation
- Tn - Nacimiento Formation

Tertiary-Cretaceous:

- TKoa - Ojo Alamo Sandstone
- TKi - Intrusives

Cretaceous:

- Kk - Kirtland Shale
- Kkm - Farmington Sandstone Member
- Kkf - Kirtland Shale, Fruitland Formation, undivided
- Kf - Fruitland Formation
- Kpc - Pictured Cliffs Sandstone
- Kch - Cliff House Sandstone
- Kmf - Menefee Formation
- Kpl - Point Lookout Sandstone
- Kg - Gallup Sandstone
- Kd - Dakota Sandstone

Jurassic:

- Jm - Morrison Formation
- Jmb - Brushy Basin Shale Member
- Jmw - Westwater Canyon Sandstone Member
- Jmr - Recapture Shale Member
- Jms - Salt Wash Sandstone Member
- Jb - Bluff Sandstone
- Js - Summerville Formation
- Je - Entrada Sandstone

Triassic:

- T w - Wingate Sandstone

Permian:

- Pdc - De Chelly Sandstone

Pennsylvanian:

- Penn - Pennsylvanian rocks undivided

SPECIFIC CONDUCTANCE.--Specific conductance of the water, which is a function of dissolved solids, is reported in micromhos per centimeter at 25° Celsius. An asterisk (*) indicates that a chemical analysis of common constituents is reported in table 2 of Stone and others (1983). A double asterisk (**) indicates that an analysis, which includes trace elements, is reported in table 3 of Stone and others (1983).

DATE.--The sampling date.

LOGS AVAILABLE.--The types of logs available are indicated below. Many are in the files of the U.S. Geological Survey.

DLR, driller; TOP, formation tops; COR, core analysis; SAND, sand analysis; LTH, lithologic logs; N, neutron; GR, gamma ray; RES, resistivity; IND, induction; MIC, microlog; SP, spontaneous potential; DEN, density; CAL, caliper

REFERENCE.--Much of the data in this table was compiled from sources listed below. Lower case letters indicate the sources as follows:

h, Waring and Andrews (1935); j, Baltz and West (1967); l, Shomaker, J. W., (U.S. Geological Survey) (written commun., 1967); m, Rapp (1959); n, Callahan and Harshbarger (1955); o, Halpenny and Harshbarger (1950); q, Kister and Hatchett (1963); r, Davis, Hardt, Thompson, and Cooley (1963); s, Brimhall (1973); u, Kelly (1977); a*, Shomaker (1976); c*, Brown and Stone (1979).

DRAWDOWN, DISCHARGE, DURATION.--These values are reported unless followed by an asterisk (*) which indicates that more complete aquifer-test data are available in table 4 of Stone and others (1983). Discharges are reported (R), measured (M), or estimated (E); artesian flow is indicated by "F".

REMARKS.--This column may include the following abbreviations:

R, reported; M, measured by U.S. Geological Survey; E, estimated; DST, drill-stem test; Q, quadrangle or questionable, depending on context; WBF, water-bearing formation; QW, quality of water; SWL, static water level; F, flow or flowing; WL, water level; SPC, specific conductance in micromhos at 25° Celsius, TDS, dissolved solids in milligrams per liter; TD, total depth.

Table 1.--Records of water wells and springs in San Juan County prior to 1978

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
21.07.27.3332	360100 1073417	Spring	-	6,755	-	-	Tkoe	520 **	01-28-76	-	a*	-	1	-	-
21.07.35.1231	360045 1073259	Herito Martin, dug well	8	6,610	7	-	Qal	590 **	01-27-76	-	a*	-	-	-	-
21.08.04.412	360451 1074104	CCR25	860	6,810	474	690-720	Kpc	7,500	06-11-69	DLR	a*	386	3.5	3	Tank marked 15-509; drawdown to total depth.
21.08.07.3341	360339 1074348	CCR6	1,030	6,586	700	965-1,030	Kch, Kmf(?)	5,000 8,000 3,300	09-01-60 09-06-68 03- -75	DLR, LTH	a*	175	6	6	-
21.08.25.3223	360115 1073810	19R-301 Fire Rock	950	6,554	463.5	850-870 905-935	Kch	3,500 ** 6,000	02-21-67 09-06-68	DLR	a*	416	13	-	-
21.09.07.3334	360336 1075018	CCR9	505	6,327	100	175-185, 440-445, 490-500	Kch	3,500 2,000 3,000 **	10-07-60 09-08-68 03-28-78	DLR	-	400	7	8	-
21.09.10.1333	360401 1074709	CCR16 19R311	1,109	6,463	386	900-1,109	Kch, Kmf	3,080 * 2,870	02-06-64 06-02-75	DLR	-	342	13	3	-
21.09.16.1113	360330 1074811	Cherokee & Pittsburg Gallo Wash Well 3	5,748	6,400	16.5	5,501-5,705	Je	-	-	-	-	514	616	24	Poor quality.
21.09.16.2323	360313 1074734	Cherokee & Pittsburg Gallo Wash Well 1	5,076	6,380	+129	-	Jaw	4,350 ** 4,000 **	05-05-75 01-06-76	-	-	695 *	300	13.3	Despoised in 1977 to Je; SPC in Je 12,500 umhos, 07-11-77.
21.09.16.4423	360249 1074716	Cherokee & Pittsburg Gallo Wash Well 2	5,744	6,415	21	5,482-5,704	Je	11,400 **	07-22-78	-	-	763	402	24	-
21.09.28.2311	360134 1074742	CCR4	350Q	6,406	275Q	-	Kch	1,800 2,000	- -64 09-08-68	-	-	-	6	-	Well may be 500 ft deep.
21.09.28.2333	360124 1074743	-	-	6,405	72.6	-	Kch(?)	2,700	06-04-75	-	-	-	-	-	-
21.09.31.4233	360021 1074934	CCR3	155	6,273	60 47.8	130-150	Qal, Kch(?)	8,100 8,000	01-13-64 09-08-68	DLR	-	80	15	8	-
21.10.07.43	360342 1075613	16K423 (NPS)	15	6,400	-	-	Qal	-	-	-	-	-	-	-	-
21.10.21.322	360215 1075415	Park Service	800	6,200	-	-	Kmf	2,260 **	08-23-68	-	-	-	-	-	-
21.10.21.3444	360152 1075414	CC Mac'l Mon (NPS)	3,100	6,195	+407	3,000-3,620 3,050-3,090	Ks	2,600 2,703	09-18-72 04-03-74	TOP, LTH DEM, IND RZS	-	340 *	107	22	-
21.10.29.2	-	Pejeda (NPS)	30Q	6,160	27	-	Qal	1,290 ** 1,160 ** 1,140 **	03-05-63 05-28-65 02-05-68	-	-	-	15	-	-
21.10.29.2114	360146 1075510	No 3 CCC Well	16	6,170	11	-	Qal	1,130 **	09-14-56	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (microhm-cm at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
21.11.07.242	360415 1080222	Chaco Well below Monument	-	6,015	2.3	10-12-78	Qa1	950 ** 965 **	12-19-77 03-18-79	-	-	-	-	-	-
21.11.08.1131	360419 1080217	Pedilla	19	6,018	-	-	Qa1	930 ** 1,000	12-17-73 06-14-76	-	-	-	-	-	-
21.11.12.3	-	Pueblo Bonito #1, dug well	35	6,250	21	05--65Q	Qa1	1,340 ** 2,020 **	03-28-65 02-03-68	-	-	-	20	-	-
21.11.12.333	360340 1075755	Pueblo Bonito	19H	6,100	18.9	09-14-56	Qa1	-	-	-	-	-	9	-	-
21.11.13.1	-	Pueblo Bonito (NPS)	30	6,130	-	04-17-64	Qa1	1,250 ** 989 **	04-18-63 03-05-64	-	-	-	22	-	Galvanized steel cased.
21.11.13.121	360334 1075739	Pueblo Bonito	25H	6,120	19	09-14-56	Qa1	986 **	09-14-56	-	-	-	1-25	-	-
21.11.13.121a	360334 1075739	Unit #1 or Chaco #2	16-20	6,120	-	06-04-64	Qa1	-	-	-	-	-	-	-	15 ft diameter masonry.
21.11.13.121b	360334 1075739	Unit #2	23	6,120	16.7	09-14-56	Qa1	665 **	09-14-56	-	-	-	-	-	-
21.11.28.3214	360121 1080052	CCR #2	505	6,211	141	06-14-69	Kmf	2,200 2,900	01-20-64 06-03-75	-	-	-	-	-	-
21.12.01.3421	360444 1080408	Well 76	-	5,986	10	06-14-76	Qa1	840 **	06-14-76	-	-	-	-	-	-
21.12.10.2421	360416 1080544	15T-336	799H	6,190	280	09-17-71	Kmf	2,210 **	04-01-74	DLA, LTH	-	70	20	6	-
21.12.17.33	360300 1080830	15T-507	325	5,980	8	08-25-61	Kmf	1,980 ** 2,150 **	10-23-68 12-17-73	DLA	-	250	4.5	1	-
21.12.20.113	360236 1080849	15B-25	358	6,002	13.9 13.5	08-18-55 06-14-69	Kmf	2,010 * 2,000	09-15-69 06-14-69	DLA	4.5	85	30	-	Q45-6.25x14.3.
21.12.23.4311	360208 1080506	CCR-12	727	6,082	42.1 27.3	06-14-69 06-03-73	Kmf	1,840 * 2,190	02-07-64 06-08-75	DLA	-	193	20	3	-
21.12.33.1222	360102 1080713	15T-503	500	6,080	58.4 45.7	02-09-60 06-14-69	Kmf	1,880 **	04-02-74	DLA LTH	-	240	28	1	-
21.13.06	-	Red Butte Oil Co.	840	6,200E	-	-	Kmf	-	-	-	-	-	-	-	-
21.13.06.1121	360321 1081613	White Rock Chapter House	2,000	5,970	-	-	Kg	2,530 **	10-29-74	-	-	-	-	-	May be well described by Waring & Andrews (1915, p. 105) that flowed 100 gal/min from 2,495 ft.
21.13.14.2	-	15T-519	556	5,980	38	07-22-69	Kmf	1,880 **	04-02-74	DLA	-	306	16	-	-
21.13.18	-	Burke and Sah1	1,000	-	-	-	Kmf	-	-	-	-	-	-	-	-
21.13.18.12	360330 1081555	-	430	5,930E	-	-	Kmf	-	-	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Log available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
21.13.21.2144	360234 1081327	15K-337	335M	6,063	122 186.6	226-245, 290- 300, 304-317	Kaf	2,640 * 2,700 **	04-08-53 03-06-74	LTH	9.8	75	6.2	2	Q65-12.3x14.45.
21.13.27.4423	360110 1081211	1KW #3	490	6,057	80.4	-	Kaf	2,000	06-14-69	-	-	-	-	-	-
22.01.03.322	360938 1065601	USFS Spring	-	7,640	-	-	Qal	-	-	-	3	-	1-3E	-	Flows year round.
22.01.09.2223	360826 1065621	Dug well	-	7,550	-	-	Qal	-	-	-	-	-	-	-	Unused.
22.01.11.313	360853 1065510	La Jara Ranch Spring	-	7,850	-	-	Qal	-	-	-	3	-	-	-	Dug out.
22.01.14.312	360806 1065501	La Jara Ranch Spring	-	7,860	-	-	Qal	-	-	-	3	-	1-3E	-	Dug out.
22.01.16.424	360803 1065623	La Jara Ranch Spring	-	7,500	-	-	Qal	1,280 *	08-21-59	-	3	-	3-4E	-	Partial analysis.
22.01.17.444	360749 1065728	Myrtle Onshear, dug well	-	7,345	26.5	-	Qal	-	-	-	3	-	-	-	-
22.01.19.142	360731 1065903	E. Mora	-	7,225	17.0	-	Tejr	-	-	-	3	-	-	-	-
22.01.19.411	360713 1065924	Tomas Duran, dug well	-	7,200	21.0	-	Qal	-	-	-	3	-	-	-	-
22.01.20.134	360724 1065816	Juan Montoya	40 M	7,250	23.4	-	Tej	-	-	-	3	-	-	-	-
22.01.28.334	360606 1065712	Pecundo Garcia	33	7,250	19.1	-	Qal	-	-	-	3	-	-	-	-
22.01.28.334	360606 1065712	Spring	-	7,250	-	-	Qal	-	-	-	3	-	1-2E	-	Flows year round.
22.01.30.232	360636 1065851	G. Jaques	-	7,175	10.8	-	Tejr(?) Qal(?)	-	-	-	3	-	-	-	Gate low in summer.
22.01.30.232a	360636 1065851	G. Jaques	35	7,175	10.8	-	Tejr(?) Qal(?)	-	-	-	3	-	-	-	Unused.
22.01.31.234	360538 1065846	Gurule	300	7,115	-	-	Tejr	-	-	-	3	-	-	-	-
22.01.31.244	360539 1065832	Juan Garcia	18	7,120	7.0	-	Qal	-	-	-	3	-	-	-	-
22.01.32.222	360559 1065726	D. B. Laveto	25	7,230	17.5	-	Qal	-	-	-	3	-	-	-	-
22.01.32.241	360546 1065734	Amadeo Lavato	20	7,220	13.0	-	Qal	-	-	-	3	-	-	-	-
22.01.32.241	360546 1065734	Donald Garcia	-	7,220	13.5	-	Qal	-	-	-	3	-	-	-	-
22.01.32.242	360546 1065726	Ray Lavato	10 M	7,225	8.0	-	Qal	-	-	-	3	-	-	-	-
22.01.32.242a	360546 1065726	Ray Lavato	12 M	7,225	8.0	-	Qal	-	-	-	3	-	-	-	Unused.
22.01.32.242b	360546 1065726	H. C. Lasato	26	7,225	11.5	-	Qal	-	-	-	3	-	-	-	-
22.01.32.243	360540 1065734	La Jara Public School	13 M	7,220	8.9	-	Qal	-	-	-	3	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Data	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
22-05-05.13	361005 1072326	Theodore Serefin	225	6,885	-	-	-	Tsj	-	-	-	-	-	-	-	-
22-05-11.33	360842 1072016	Woods Petro. Corp.	6,365	6,818	-	11- -71	-	-	-	-	TOP	-	-	-	-	Plugged back, upper portions left for water 12/71.
22-05-15.344	360744 1072100	BIA #4	210	6,884	50	05-01-58	-	Tsj	933 *	05-01-58	-	3	-	-	-	-
22-05-15.4	-	BIA #5	170	6,860	-	10-27-38	-	Tsj	-	-	DIA	-	-	58	-	Unused.
22-05-19	-	Hubert Velarde	283	-	130	05-04-76	221-229 247-265	Tsj	-	-	DIA	-	-	-	-	Well drilled into Tn.
22-05-22	-	J. Counsellor	450	-	300	10-26-38	390-405	Tsj	-	-	DIA	-	-	-	-	-
22-05-24	-	V. Gutierrez	326	-	105	05-19-75	281-309	Tsj	-	-	DIA	-	-	6	-	-
22-05-28.2	-	BIA old #4	430	7,000E	Dry	10-27-38	-	-	-	-	DIA	3	-	-	-	Dry hole; abandoned; drilled into Tn.
22-06-14.2141	361113 1072543	Plymouth Oil	4,145	7,082	-	08-08-57	-	Kmv	38,460	08-08-57	-	-	-	-	-	TDS#26,231 mg/L (8-8-57).
22-07-01.4442	360945 1073104	19T - 518	1,250	7,160	904	06-18-75	913-940 968-980 1,018-1,040	Tkoa	-	-	DIA	-	0	9	6	-
22-08-14.4414	360804 1073841	#4 Gallo Wash Well (Alamita)	2,221	6,650	790	05-24-79	1,668-2,221	Kch	2,700	06-20-79	TOP, IND, DEN	-	-	-	-	Aquifer is La Ventana tongue.
22-08-14.4331	360802 1073902	Johnson	15	6,630	6.4	05-27-75	-	Qal	-	-	-	-	-	-	-	-
22-09-12.4343	360852 1074414	19R-311 (Joe Well)	762	6,698	340.8 332.8	09-06-68 05-27-75	729-759	Kpc	6,600	09-06-68	-	-	412	9	-	-
22-09-19.144	360731 1074947	Ohio E. Kimbeto P.C. Well	486	6,365	-	11-05-77	349-486	Kpc	11,000 **	05-25-78	-	-	-	-	-	-
22-09-22.1	-	Navajo Tribe	-	6,610	500 E	-	-	Kkf	-	-	-	-	-	-	-	-
22-09-22.2134	360745 1074628	19K-339	1,304	6,579	901	02-06-53	1,230-1,304	Kch	5,000 5,200	09-07-68 02-02-75	TOP, LTN	-	163	16	1	-
22-09-29.3443	360612 1074849	19B-309 (Willie Well)	961	6,447	324	09-07-68	270-355, 500- 760, 800-810, 895-943	Kch, Kkf	3,560 ** 4,850 4,700	02-21-67 07- -69 02-02-75	DIA	-	-	7	-	Drawdown to 730 ft (10/63).
22-10-04.133	361008 1075439	Kimbeto Coal Well, E-151 (DB 6K)	290	6,280	68.3 69.4	08-16-77 05-24-78	203-290	Kf	12,700 ** 13,000 **	08-18-77 05-24-78	-	-	-	-	-	-
22-10-08.244	360916 1075439	DB 5 K	474	6,310	136.4	02-24-78	350-474	Kpc	11,250 ** 14,500 **	11-14-77 02-24-78	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number of name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25° C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
22.10.09.2	-	Kimbeto #4	4,976	6,397	-	09-21-58	-	-	-	-	-	-	-	-	-
22.10.10.341	360857 1075310	Kimbeto OB Well	59	6,300	16.2	08-18-55	Kf	17,000 **	08-18-77	-	-	-	-	-	-
22.10.17.422	360823 1075440	DH-AK Coal Well	190	6,330	115	08-17-77	Kf	3,000 **	08-17-77	-	-	-	25	-	-
								3,800 **	05-28-78	-	-	-	-	-	-
22.10.18.211	360849 1075618	DH-ZK	205	6,290	87	08-17-77	Kf	4,500 **	08-17-77	-	-	-	-	-	-
								4,200 **	02-24-78	-	-	-	-	-	-
22.10.18.411	360822 1075616	DH-IK	285	6,245	76	08-18-77	Kpc	3,250 **	08-18-77	-	-	-	-	-	-
								3,100 **	02-23-78	-	-	-	-	-	-
22.10.22.244	360734 1075231	DH-ZK	185	6,300	-	11-16-77	Kf	2,900 **	11-16-77	-	-	-	-	-	-
								2,200 **	05-23-78	-	-	-	-	-	-
22.10.24.211	360754 1075052	DH-ZK (E-145)	130	6,340	-	11-16-77	Kf	1,250 **	11-16-77	-	-	-	-	-	-
								1,180 **	05-25-78	-	-	-	-	-	-
22.10.31.111	360608 1075651	E-88, dug well	4	6,150	3	07-22-76	Qal	950 **	07-22-76	-	-	-	4-20	-	15 feet in diameter.
22.10.31.1131	360605 1075650	Chaco Community Center	15	6,144	4	06-03-75	Qal	2,200 **	07-22-76	-	-	-	-	-	Fence well.
					5	07-22-76				-	-	-	-	-	
22.11.12.3	-	Chaco National Monument	35	6,610 E	34	02-05-68	Qal	-	-	-	-	-	-	-	
22.11.22.3223	360714 1075956	15R-307,	453	6,341	273.0	07- -69	Kch	1,480 **	05-02-67	DIA	-	80	4.5	-	
								1,700	06-03-75						
22.11.26.432	360621 1075823	E-154	7	6,140	1.7	12-19-77	Qal	1,340 **	12-19-77	-	-	-	-	-	
								1,400 **	10-12-78	-	-	-	-	-	
								885 **	03-18-79	-	-	-	-	-	
22.11.32.3131	361057 1080223	E-92	-	6,390	-	03-17-76	-	2,800 **	05-17-76	-	-	-	-	-	
22.12.28.2434	360645 1080655	Dug well, E-91	-	5,910	-	-	Qal	1,750 **	05-18-76	-	-	-	-	-	
22.12.29.123	360835 1080702	Navajo Tribe, dug well	-	5,895	-	-	Qal	1,100	05-11-76	-	-	-	-	-	
22.12.31	-	"BIA Well"	-	-	-	-	-	2,110 **	12-17-73	-	-	-	-	-	
22.12.31.344	360524 1080925	Lake Valley School BIA	605 Q	6,900	240 E	-	Kmf	2,430	04-01-64	-	-	-	5-6	-	Apparently bailed from 2 depths on 4-1-64; SPC 3,050 umhos from 208 ft.; SPC 2,430 umhos from 562-605 ft.
22.12.31.4333	360527 1080917	15R-302 L.V. P.M. 1	962	6,920	58.4	06-13-69	Kmf	2,000 *	09-12-49	-	9,2	554 *	50	24	Well flows at times. Q65-8.7x11.10
								2,100 **	11-02-65	-	-	-	-	-	
								2,200	06-12-69	-	-	-	-	-	
22.12.31.4334	360527 1080917	Lake Valley, P.M. 2	830	5,910	7	09-14-64	Kmf	2,220 **	11-02-65	-	-	426 *	25	24	Not flowing 6-12-69.
								2,400	06-12-69	-	-	-	-	-	
22.12.35.4444	360522 1080434	E-90, dug well	-	5,975	8	05-18-76	Qal	1,060 **	05-18-76	-	-	-	-	-	Unused.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
22.13.06.43	361002 1081549	13K-144	5	5,740	4	05-04-55	Qa1	4,620 *	05-04-55	-	-	-	-	-	-
22.13.07	-	15A-20	13	5,740	12	02-16-55	Qa1	-	-	-	-	-	-	-	-
22.13.09.2313	360928 1081345	Navajo	6 M	5,775	4.3 5.5	11-14-74 05-11-76	Qa1	1,100	11-14-74	-	-	-	-	-	-
22.13.15.1413	360833 1081255	Navajo	5	QM 5,801	4.5 5.1	11-14-74 05-11-76	Qa1	1,200	05-11-76	-	-	-	-	-	100 ft. W. of Chaco River; 50 ft. S. of primary well which couldn't be measured.
22.13.22.143	360738 1081252	Navajo	-	5,819	4.7 5.5	11-14-74 05-11-76	Qa1	-	-	-	-	-	-	-	-
22.13.24	-	La Vida Mission	-	-	-	-	-	1,600 **	12-17-73	-	-	-	-	-	-
22.13.24.212	360732 1081018	Tesya Spring site well	65 M	5,890	33.2	11-14-74	Qa1, Kaf	-	-	-	-	-	-	-	-
22.13.24.3222	360733 1081032	Dug well	-	5,875	-	05-11-76	Qa1	1,150	05-11-76	-	-	-	-	-	Destroyed, replaced by 22.13.24.3222a.
22.13.24.3222a	360733 1081032	Chaco Well- Lake-Val.	8.M	5,875	1.6	10-11-78	Qa1	800 ** 830 ** 1,005 **	12-19-77 10-11-78 04-19-79	-	-	-	-	-	-
22.13.24.4131	360729 1081029	E-115	8	5,890	-	09-27-76	Qa1	870 **	09-27-76	-	-	-	4	-	-
22.13.24.4133	360726 1081028	E-116	8	5,895	-	09-27-76	Qa1	850 **	09-27-76	-	-	-	4	-	-
22.13.24.4134	360725 1081027	E-117	16	5,880	-	09-27-76	Qa1	950 *	09-27-76	-	-	-	0.5	-	-
22.13.24.4314	360717 1081023	E-118	-	5,870	-	-	Qa1	1,000 **	09-27-76	-	-	-	2	-	Driven well.
22.13.26.1423	360647 1081142	Navajo Tribe	9 M	5,846	6.7	11-14-74	Qa1	1,000 **	05-11-76	-	-	-	-	-	-
22.13.26.243	360650 1081143	Navajo Tribe	6.3M	5,853	5.8	05-11-76	Qa1	-	-	-	-	-	-	-	Unused, stagnant.
22.13.31.3	-	S. Union #2, SP	3,828	6,034	-	10-13-51	-	-	-	-	SP, RES	-	-	-	Ed at 3653 feet; plugged, abandoned.
22.13.32.332	360533 1081508	Flowing Gallup Well	-	6,035	F	2,876-2,952	Kg	-	-	-	LTH	-	60F	-	Drilled in 1966.
23.01.01.41	361505 1065330	Shally Oil Co.	2,513	7,454	-	08- -64	-	-	-	-	TOP	-	-	-	Upper portion left open for water.
23.01.02.132	361518 1065459	W. T. Northcutt	17	7,255	15	08-20-59	Qa1	-	-	-	-	-	-	-	Unused.
23.01.03.222	361531 1065518	Schmitz	7	7,260	6	08-20-59	Qa1	-	-	-	-	-	-	-	Unused.
23.01.03.414	361500 1065532	H. B. Browning	734	7,320	456	- -59	Ts-jr	-	-	-	-	-	0.2	-	Unused.
23.01.03.421	361505 1065525	H. B. Browning	57	7,280	11	08-21-59	Qa1	-	-	-	-	-	-	-	Unused.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal bearing unit(s)	Specific conductance (umhos at 25°C)	Data	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dure- tion (hours)	Remarks
23.08.01.2144	361535 1073743	R. Bachelor	700	6,955	258.4	-	TKoa	1,050	05-08-75	-	-	-	9	-	-
23.08.27.111	361211 1074030	19R-298 Largo #2	317	6,882	223.4	-	Tn	1,340 ** 1,300	05-02-67 09-06-68	DLR	-	85	9	-	-
23.09.01	-	J. McEwan	696	6,930	300	-	TKoa	1,020	-	-	-	-	> 6	-	No dates.
23.09.01.1141	361537 1074445	19T-310, Ch. House	1,022	6,960	368 611.3	623-747 925-1,022	TKoa	1,370 ** 1,160 **	09-14-71 06-30-72	DLR, IND RES, GR, M	-	46.6*	12	2	-
23.09.01.2121	361546 1074417	19K-341, EPNG	695	6,930	630	655-685	TKoa	1,120 **	10-13-70	TOP	-	-	16	-	-
23.09.01.2321	361534 1074414	Nageezi T.P.	680	6,880	-	-	TKoa	1,130 **	10-25-74	-	-	-	-	-	-
23.09.25.3131	361146 1074454	19R-310 Kaa Well	550	6,812	173 293.3	403-547	TKoe	1,160 **	02-21-67	DLR	-	287	18	-	-
23.09.31.1341	361104 1075006	Kimbeo PH2	37 M	6,420	14.0	-	Qal	2,200	09-07-68	-	-	-	-	-	-
23.09.31.3111	361058 1075018	Kimbeo PH1	69	6,425	8.0 10.5	-	Qal	3,000	09-07-68	DLR	-	32	36	7	-
23.09.31.3134	361048 1075009	19K-307	11	6,420	6	-	Qal	-	-	-	-	-	-	-	-
23.10.22.2241	361300 1075230	Kimbeo 3 (BLM)	350	6,660	dry	-	-	-	-	DLR	-	-	-	-	-
23.10.36.422	361057 1075022	Sheep Dip, 19K-308	12	6,425	7 7.2	-	Qal	2,200	09-07-68	-	-	-	1.5	-	-
23.10.36.4222	361057 1075022	Bachelor, dug well	9.4M	6,425	7.1	-	Qal	2,100	09-07-68	-	-	-	-	-	-
23.11.06.11	361540 1082508	VP Pitt	1,800	6,130	268	-	Kaf	-	-	-	-	-	-	-	-
23.11.16.4222	361333 1080005	Suela	-	6,208	-	-	-	7,900	06-03-75	-	-	-	-	-	-
23.11.26	-	Shell Oil-Meyer Government #2	-	-	-	2,786-2,800	Kpl	13,300	08-23-57	-	-	-	-	-	-
23.11.27.4432	361132 1075912	-	-	6,271	-	-	-	6,000	06-03-75	-	-	-	-	-	Windsill.
23.12.05.2223	361545 1080751	-	4,896	5,990	-	2,556-2,564	Kpl	10,800 ** 9,500 **	10-22-75 03-31-76	TOP	-	-	-	-	Abandoned oil or gas well; artesian; stock; bottomed in Ja.
23.12.07.2322	361446 1080908	TL7-2 Coal Well	150	5,920	75.0	75-150	Kf	7,200 ** 6,500 **	10-19-76 03-02-77	-	-	45*	10	3	-
23.12.07.2333	361435 1080930	Biasi DM 3 Well	350	5,890	94.4 35.9 163.0	118-350	Kpc	7,120 ** 7,200 **	10-21-75 06-15-76	-	-	*	-	-	Aquifer test.
23.12.08.1144	361446 1080837	TL 8-1	67	5,920	5	-	Kf	13,000 ** 12,250 *	10-19-76 03-03-77	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Water table (feet)	Date	Interval (feet)	Bearing unit(s)	Temp. at 25°C	Date	Logs available	Reference	Drawn down (feet)	Flow (gpm)	Time (hours)	Remarks
23.12.08.2111	361457 1080819	Blact DB-7	394	217 80.5 89.3 87.8	08-20-75 10-22-75 03-31-76 06-15-76	200-394	Kpc	7,820 ** 08-20-75 7,590 ** 10-22-75 7,500 ** 03-31-76 7,800 ** 06-15-76	-	-	-	-	-	-	Water level (6-75) may be pumping level; aquifer test.
23.12.17.2111	361407 1080819	Blact DB-5	274	5,930 50	03-31-76 05-15-76	86-274	Kpc	5,200 ** 03-31-76 5,700 ** 06-15-76	-	-	-	-	-	-	Aquifer test.
23.12.18.4112	361341 1080922	19T-507 Ell Smith	369 M	5,885 109 90.1	02-19-67 06-12-69	288-369	Kpc	2,850 ** 04-09-75 2,570 ** 06-06-76	DLR	-	-	111	17	1	-
23.12.32.4444	361038 1080748	Mavejo Tribe	336 QM	6,130 -	-	-	-	-	-	-	-	-	-	-	Could not get tape below 336 ft.
23.13.09.1322	361440 1081410	Pothay Well	4,780	5,936 +446 +522 +230 Q	08-28-74 08-29-74 09-02-74	3,660-3,780	Kg	20,000 08-28-74 6,060 08-29-74 4,080 09-02-74 9,900 ** 03-13-75 8,520 ** 04-09-75	TOP	-	-	301 ⁺ 522 ⁺	100 189	12 12	Plugged back from 9,803; turned over to BLM 1-10-75; Je, Jw, and Kg tested; water level in Kg probably not static; conductance of 1974, water levels and pump tests are for Je, Jw, and Kg respectively.
23.13.10.1213	361455 1081255	19R-326 Blact #3	495	5,979 221.5	07- -69	479-494	Kch	4,100 ** 05-02-67	DLR	-	-	125	8.5	-	-
23.13.14.141	361350 1081150	-	-	5,845 4.2	05-11-76	-	Qa1	-	-	-	-	-	-	-	-
23.13.15.333	361319 1081312	John Bunton	8 M	5,818 5.9	11-14-74	-	Qa1	4,800 05-10-76	-	-	-	-	-	-	-
23.13.17.3432	361318 1081503	13R-55A	8.2M	5,780 6.9	11-14-74	-	Qa1	1,320 05-04-55 1,510 11-14-75 1,450 05-10-76	-	-	-	-	-	-	-
23.13.17.334	361318 1081514	De-Wa-Zin Wash Well	-	5,785 8.0	06-23-77	-	Qa1	1,800 ** 12-20-77 1,760 ** 03-19-79	-	-	-	-	-	-	-
23.13.19.2132	361305 1081552	13R-55	7	5,770 3.5	05-04-55	-	Qa1	1,480 * 05-04-55	-	-	-	-	-	-	-
23.13.35.4441	361045 1081109	15B-24	500	6,138 312.3	06-12-69	-	Ka _f , Kch(t)	1,610 * 09-20-49 1,610 ** 01-24-74 1,660 ** 04-02-74	-	-	-	-	-	-	Q65-8.35x4.10.
24.01.01.433	362000 1065335	E. J. Hooten	140	7,090 -	-	-	Ta Jr	-	-	-	-	-	-	-	-
24.01.14.444	361817 1065411	Reece Walker	12	7,090 6	08-19-59	-	Qa1	-	-	-	-	-	-	-	-
24.01.26.33	361634 1065505	Mobil Oil	2,950	7,299 -	- -61	-	-	-	-	-	-	-	-	-	Plugged back from 2,980'.
24.01.34.4244	361552 1065515	Karl Schmits	800 E	7,260 -	-	-	Tfoc(t)	810	06-27-76	-	-	-	-	-	-
24.01.34.42	361555 1065521	Magnolia	-	7,275 -	-	-	-	-	-	-	-	-	-	-	TDS (Ja)=7,945 mg/L, 9-34; TDS (Je)=6,222 mg/L, 9-34.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
24.05.32.1241	361625 1072305	-	-	6,550	-	-	Tsf(1)	1,550	06-19-78	-	-	-	-	-	Sample from water in tank; source unknown.
24.05.36.3422	361549 1071848	-	-	6,720	-	-	Qal(1)	1,100	06-20-78	-	-	-	-	-	-
24.05.36.43	361838 1071543	Lincoln Valarde #1	198	6,720	-	-	Tsf	1,780 **	02-02-76	-	-	-	-	-	2,500 gal capacity in 24 hours.
24.06.04.3213	362040 1072813	H. C. Barry Spring	-	6,500	-	-	Tsf	353 *	05-11-77	-	-	-	-	-	Partial analysis.
24.06.18.3312	361831 1073036	-	-	6,572	-	-	-	4,500	07-17-78	-	-	-	-	-	-
24.06.25.1222	361728 1072509	-	-	6,520	-	-	Qal(1)	1,500	06-19-78	-	-	-	-	-	-
24.07.27.112	361731 1073359	-	-	6,800	-	-	-	10,500	07-17-78	-	-	-	-	-	-
24.07.36.2414	361622 1073116	-	-	6,691	-	-	-	7,800	07-17-78	-	-	-	-	-	-
24.08.15.1122	361917 1074024	Crow Lake Windmill	-	6,900	73	05-05-75	Qal	940	05-05-75	-	-	-	-	-	-
24.09.01.3	-	Magnolia	6,512	6,700	-	6,467-6,512	Id	-	-	-	-	-	-	-	-
24.09.01.3314	362016 1074450	19T-349, Magnolia	435	6,700	240	12- -64 300-320 360-410	Ta	1,300	09-04-68	-	-	-	-	-	-
24.09.08.4134	361931 1074836	-	2108	6,691	-	-	Ta	2,310	-	-	-	-	-	-	-
24.09.19	-	Otis T.P.	327	-	-	-	Ta	-	-	-	-	-	5	-	-
24.09.19.3142	361751 1075003	Blancet	380 g	6,920	354.0 297.7	05-12-75 09-05-68	Ta	1,230	05-12-75	-	-	-	-	-	Windmill.
24.09.27.124	361703 1074613	19R-296 Largo #1	527	6,835	494.6	09-04-68 498-518	TtGa	950	09-04-68	-	-	-	12	1	-
24.10.09.3144	361928 1075416	BIA	500	6,930	450	-	TtGa	-	-	-	-	-	-	-	-
24.10.12	-	B of C Mission	162	6,900E	45	04-28-51	Ta	-	-	-	-	-	-	-	-
24.10.12.1114	362003 1075115	B of C Mission	5,550	6,910	-	-	Eg	-	-	TOP	-	-	-	-	Converted from oil or gas 8-25-71; plugged back.
24.10.12.14	361949 1075057	B of C Mission	5,535	6,838	-	-	-	-	-	TOP	-	-	-	-	Converted to H ₂ O well; plugged back.
24.10.12.2114	362002 1075043	B of C Mission	5,540	6,890	-	-	-	-	-	TOP	-	-	-	-	Converted to H ₂ O well 8-25-71; plugged back.
24.10.12.2223	362004 1075025	B of C Mission	843	6,875	600	10-31-63 722-843	TtGa	770 **	10-31-63	-	-	-	-	-	-
24.10.12.2223a	362004 1075025	Navajo Health Cent.	847	6,875	-	-	TtGa	832	10-25-74	-	-	-	-	-	-
24.10.15.114	361903 1075320	19T-313	828	6,865	654.0	09-05-68 712-828	TtGa	1,150	09-05-68	TOP, DLR LTR	-	32	16	1	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to Water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dye- charge (gal/ min)	Dura- tion (hours)	Remarks
24.10.33.4441	361550 1075337	19R-286, Otis	373	6,639	304.7	05-08-75	327-340	Tk0a	2,100 ** 2,000	02-21-67 05-08-75	DLA	-	-	3.5	-
24.10.36.4342	361551 1075038	19R-287, Kimbeto 1	442	6,914	398.0	05-12-75	285-297, 355-365, 395-420	Tn	2,000	09-03-68	DLA	-	-	3	-
24.11.08	-	Ojo Alamo Spring	-	6,300E	-	-	-	Tk0a	-	-	-	-	-	-	-
24.12.05.2211	362100 1080758	Jack King	18M	6,158	8.3	11-15-74	-	Qe1	6,600	11-15-74	-	-	-	-	-
24.12.36.2132	361633 1080332	DeKazin Windmill	-	6,102	5.0	05-07-75	-	-	2,060	05-07-75	-	-	-	-	-
24.13.09.1343	361948 1081408	19R-325 Bietti #1	806	6,183	492	07- -69	730-740 750-800	Kpc	12,000 **	02-23-67	DLA	-	-	4	-
24.13.11.44	361927 1081113	19R-309	806M	6,120	460	12- -70	705-806	Kpc	-	-	CH, M, DLA	-	344	0.5	3.75
24.13.13.4143	361842 1081025	Hunter	18M	5,949	7.2	11-15-74	-	Kzf	-	-	-	-	-	-	-
24.13.20.1223	361823 1081459	Chaco #1, Monseato Chemical	4,072	5,968	-	-	-	Kg	3,850	07-02-56	-	-	-	-	-
24.13.29.3	-	Bietti TP	460	4,810	75	09- -52	-	Kpc	-	-	-	-	-	-	-
24.13.29.3	-	Bietti Mission	750	5,780	-	-	-	Kch	-	-	-	-	-	-	-
24.13.32	-	13R-152	15	5,780	10.0	12-08-54	-	Qe1	2,530 *	09-20-49	-	-	-	-	-
24.13.32	-	13R-139, Bietti 2	10	5,780	7.4	12-08-54	-	Qe1	-	-	-	-	-	-	Abandoned.
24.13.32	-	13R-137	11	5,780	7.2	12-08-54	-	Qe1	2,060 *	09-20-49	-	-	-	-	-
25.01.05.324	362530 1075756	E. M. Collins	54	7,413	43	09-25-59	-	TeJ1	-	-	-	-	-	-	-
25.01.06.243	362543 1065841	E. M. Collins	150	7,480	92	09-25-59	-	TeJ1	-	-	-	-	-	-	-
25.01.08.111	362508 1065821	E. M. Collins	152	7,430	43	09-27-59	-	TeJ1	1,460 *	09-25-59	-	-	-	-	-
25.01.17.131	362354 1065820	U.S. Forest Service	250	7,480	119.4	09-27-59	-	TeJ1	-	-	-	-	-	-	Unused.
25.02.05.3242	362528 1070424	-	-	7,416	-	-	-	TeJ1(?)	2,100	06-28-78	-	-	-	-	-
25.02.08.4434	362419 1070359	Lloyd Ingram	80-100	7,238	-	-	-	TeJ	3,000	06-28-78	-	-	-	-	-
25.02.11.141	362455 1070120	Nazarene Indian School	130	7,360	68.4	10-10-59	-	TeJ1	1,130 *	10-10-59	-	-	-	1.6	-
25.02.11.142	362454 1070111	Nazarene Indian School	130	7,380	-	-	-	TeJ1	-	-	-	-	-	-	-
25.02.11.341	362428 1070120	Fred Davis	-	7,320	8.9	10-09-59	-	TeJ	-	-	-	-	-	-	Unused.
25.02.11.411	362440 1070102	Fred Davis	50	7,370	42.7	10-09-59	-	TeJ1(?)	-	-	-	-	-	-	Unused.
25.02.11.4114	362438 1070104	Fred Davis	250	7,370	-	-	-	TeJ	3,000	06-28-78	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks	
25-05.29.2	-	BIA	225	6,570	-	-	-	Tsj(1)	2,230 **	11-10-38	-	3	-	-	-	-	-
25-06.03.414	362530 1072704	-	-	6,780	-	-	-	Tsj(1)	1,300	07-05-78	-	8	-	-	-	-	Same as 25-06.03.414e?
25-06.03.414a	362530 1072704	Gonzales Mesa	1,330 M	6,780	-	05-10-72	460-598, 686-756, 1,090-1,330	Tsj	885 1,100	02-11-73 09-05-74	DLR, DEN	-	-	-	-	-	Same as 25-06.03.414(1); deepened from 812 feet.
25-06.04.441	362527 1072755	Forbes Spring	-	6,320	-	02-07-77	-	Tsj	950	02-07-72	-	-	-	-	-	-	SFC may be affected by ice melt.
25-06.21.4142	362259 1072807	Gonzales Mesa	67 M	6,318	13.4	02-07-77	-	Qal(1), Tsj(1)	2,700	07-11-78	-	-	-	-	-	-	Unused.
25-06.31.2142	362139 1073015	-	-	6,840	-	-	-	Tsj(1)	2,600	07-11-78	-	-	-	-	-	-	-
25-06.33.2444	362636 1072749	Berryhill	-	6,390	-	-	-	Tsj(1)	3,080 *	05-11-77	-	-	-	-	-	-	Partial analysis.
25-06.33.4442	362613 1072749	Berryhill	-	6,390	-	-	-	Tsj(1)	3,310 * 3,500	05-11-77 06-19-78	-	-	-	-	-	-	Partial analysis.
25-8.31.2241	362141 1074253	19T-342	461M	6,680	296.5	03- -57	310-340 424-450	Tn	900 1,370	05-05-75	DLR	-	>10	23	.75	-	-
25-9.19.1111	362337 1075018	Dzilth School, E. Navajo 1	1,146M	6,775	442.0M	06-30-66	300-320, 360-378, 480-540, 555-610, 905-970, 1,000-1,040, 1,090-1,146	TKoa, Tn	807 **	06-30-66	IND, RES, SP, DLR	-	156 *	112	6	-	-
25-9.19.1144	362326 1075003	Dzilth School, PM2	1,100	6,740	548	02-02-67	510-550, 694-716, 870-910, 1,072-1,100	TKoa, Tn	1,200	-	RES, SP, TOP	-	118 *	80	24	-	-
25-09.25	-	19T-343	265	-	-	-	-	Tn	-	-	-	-	-	-	-	-	-
25-9.26.2114	362241 1074523	Dug well	10M	6,475	4.9	09-04-68	-	Qal	1,000	09-04-68	-	-	-	-	-	-	-
25-09.32	-	Blanco TP (1)	470	-	-	-	-	TKoa	900	09-16-54	-	-	-	-	-	-	-
25-10.13.1411	362417 1075104	Hurfano T.P.#2	559	6,870	460 256.6	-	500-559	Tn	900	08- -65 09-05-68	-	-	-	-	-	-	Depth also reported as 516 feet.
25-10.14.2422	362415 1075110	19T-517 Huerfano T.P.	969	6,840	516	-	-	Tn, TKoa(1)	4,000	-	-	-	-	-	-	-	-
25-10.22.4422	362255 1075228	19R-285	637	6,598	250 248.3	07- -63 05-14-75	300-310, 320-370, 400-430, 520-530, 550-580, 610-625	Tn, TKoa(1)	680 800	09-04-68 05-14-75	TOP	-	77	30	6	-	Reported 95 gal/min for 13 days with pump 600 feet.
25-10.30.4411	362206 1075557	19T-508	-	6,670	-	-	-	-	-	-	-	-	-	-	-	-	-
25-10.32	-	Burnham's Store	485	6,300	380	04-28-51	-	Tn	-	-	-	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
25.10.33.34	362108 1075413	19T-312	950	6,847	648	850-925	Tkoe	-	-	-	-	-	36	24	Drilled 1973.
25.10.33.3432	362106 1075416	BLM	5,398	6,847	-	-	Kg(?)	-	-	TOP	-	-	-	-	Converted to B.O 8-9-67; plugged back.
25.11.18.4114	362358 1080235	-	3,849	6,410	-	2,824-3,744	Kaf, Kpl	-	-	TOP	-	-	88	-	Injection well.
25.11.19.14	362317 1080246	-	3,904	6,444	-	2,785-3,794	Kpl	-	-	TOP	-	-	-	-	"Kist" injection well.
25.11.20.3333	362246 1080206	19R-295, Jack Well	486	6,462	306 262	335-380 415-430 450-475	Kk, Tkoe	4,700 ** 5,890 **	05-03-67 02- -71	DLR	-	120	4	-	-
25.11.21.1232	362331 1080040	-	3,850	6,462	-	3,525-3,812	Kaf, Kpl	-	-	TOP	-	-	99	-	Injection well.
25.11.23.3223	362307 1075830	-	2,650	6,495	-	2,110-2,635	Kch	-	-	TOP	-	-	-	-	Injection well.
25.12.01.3222	362549 1080346	19R-324 Carson 1	403	6,281	210	285-300 330-340 375-390	Tkoe	1,100 1,200 1,150	- -63 09-09-68 03-28-75	DLR	-	135	40	-	-
25.12.03.3314	362529 1080618	-	-	6,395	102.4	-	-	-	-	-	-	-	-	-	-
25.12.13.2132	362423 1080336	-	3,805	6,371	-	2,788-3,798	Kaf, Kpl	-	-	TOP	-	-	104	-	Injection well.
25.12.14.2323	362410 1080440	-	3,845	6,400	-	3,684-3,695	Kpl	-	-	-	-	-	117	-	Injection well.
25.12.25.1113	362239 1080412	Carson Unit #2	3,915	6,420	-	2,835-3,755	Kpl	59,000	04-15-67	-	-	-	-	-	Plugged back.
25.12.27.2343	362221 1080544	19R-284, Cue Well	460	6,346	83 119.0	110-120,270- 285,300-310, 360-380,395- 435	Kk	4,100	09-09-68	DLR	-	337	2.5	-	-
25.12.31.3331	362105 1080937	Sunday #2	601	6,290	Dry	-	Kk	-	-	DLR	-	-	-	-	-
25.13.28.1212	362245 1081336	19R-340	1,906	6,230	645.0 540	-	Kch(?)	8,690 *	02-04-55 09-09-69	DLR	-	210	5	-	Well tested and QV monitored as drilling progressed.
25.13.28.222	362243 1081257	Magnolia	-	6,250	-	4,558-4,635	Kg	100,000	05-08-56	-	-	-	-	-	-
26.01.01.423	363040 1065315	Fred Davis	390	7,385	315	-	Taj(?)	-	-	-	3	-	-	-	-
26.01.21.442	362800 1065620	Walter Howard	39	7,470	21.9	-	Qal(?)	-	-	-	3	-	-	-	-
26.01.27.1	-	Walter Howard	96	7,440	-	07-27-61 60-85	Qal(?), Taj(?)	-	-	-	-	-	14	-	-
26.01.27.322	362717 1065548	Walter Howard	67	7,430	35.1	-	Qal(?)	-	-	-	3	-	-	-	-
26.02.02.4343	363025 1070059	Fred Davis	100	7,290	39.8	-	Qal, Taj	-	-	-	3	-	-	-	Unused.
26.02.02.4344	363025 1070055	-	-	7,280	-	-	Taj(?)	1,410	07-05-78	-	-	-	-	-	-
26.02.03.4444	363026 1070141	Robert Imel	160	7,210	41.1	-	Tajt	-	-	-	3	-	-	-	Unused.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
26.08.18.3114	352912 1074346	-	-	6,250	7	-	TKoa(?)	850	07-08-77	TOP	-	-	15	-	Flowing well; flow from gas well piped to stock tank; probably plugged back when converted; SPC looks like water from TKoa.
26.08.27.2411	362737 1073954	Converted to water	-	6,870	-	-	TKoa	-	-	TOP	-	-	-	-	-
26.09.04.3	-	-	326	6,420	331	-	Tn	1,440	-	-	-	-	-	-	-
26.09.05.4424	353044 1074810	-	-	6,430	209.1	11-20-74	-	-	-	-	-	-	-	-	Windmill; 300 ft east of dam.
26.09.16.4	-	Starling	202	6,350	-	170-202	-	-	-	-	-	-	-	-	-
26.09.26.4212	362732 1074507	EPNG Ballard #1	481	6,495	233.5	05-15-75	Tn	-	-	-	-	-	-	-	Composite water of 3 wells has S.C. of 1150 umhos.
26.10.07.3434	362944 1075621	-	-	6,457	-	-	-	3,250	05-08-75	-	-	-	-	-	Submersible pump; depth to water in nearby hole is 221 ft.
26.10.08	-	Brown Ranch	-	-	-	-	Tn	1,200 **	10-26-74	-	-	-	-	-	Chemical character of water is like that of TKoa.
26.10.08.1241	363027 1075512	J. C. Brown Ranch	-	6,560	333.0	11-20-74	Tn	850	11-20-74	-	-	-	-	-	-
26.10.13.423	362908 1075028	EPNG Huerfano Water Well #1	1,450Q	6,585	-	-	TKoa	-	-	TOP, RES	-	-	-	-	Converted to H ₂ O.
26.10.20.1431	362828 1075524	-	-	6,463	115.8	05-08-75	-	1,960	05-08-75	-	-	-	-	-	Windmill.
26.10.25.4141	362725 1075039	EPNG Huerfano W. Well #2	-	6,583	-	1,226-1,2	TKoa	1,250 1,068	02-09-67 05-28-75	-	-	-	-	-	-
26.11.03.1433	363102 1075942	-	-	6,280	155.3	11-20-74	Tn	1,720	-	-	-	-	-	-	Windmill.
26.11.08.4331	362946 1080134	19R-322 Carson #3	254	6,184	152 153.5 153.3	08-06-63 09-09-68 05-28-75	Tn, TKoa	900 950 790	09-09-68 05-28-75	DLR	-	-	7.5	-	-
26.11.33.2142	362658 1080018	Huerfano PH2	496	6,185	98	01-30-68 300-435	TKoa, Tn	930 ** 920	01-30-68 10-28-74	TOP, SP, CAL	-	115	28	1.5	Drilled 1-68.
26.11.33.223	362655 1080009	Huerfano PH1	22	6,180	6.8 11	10-21-53 09-10-68	Qal	1,120 * 1,480	10-21-53 09-10-68	-	-	-	-	-	-
26.12.16.3	-	EPNG Comp Plant	133	6,020	-	-	TKoa	-	-	-	-	-	-	-	Abandoned because of salt; reported stock drank water.
26.12.19.3	-	19T-511	220	6,120E	150	08- -71 150-220	TKoa	-	-	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Dis-charge (gal/min)	Dur-ation (hours)	Remarks
26.12.22.2333	362826 1080553	198-323 Carson #2	255	6,125	190	-63	TKoe, Tn	970	-63	DIA	-	-	10	-	-
26.12.34.3	-	197-505	410	6,190	152	09-09-68 05-28-75	Kk	3,500	10-20-64	-	-	-	1	3	Deepened from 185 ft; abandoned; water salty and inadequate.
26.13.02.3143	363052 1081138	-	-	6,059	120.4	05-06-75	TKoe	-	-	-	-	-	-	-	-
26.13.02.3343	363038 1081138	Callegos #4	231	6,070	-	-	TKoe	-	-	-	-	-	-	-	-
27.01.13.1	-	Puerto Chiquito	70 M	7,240	-	08-03-35	Qal(T) Tn	-	-	DIA	-	-	3.58	-	-
27.01.13.2	-	-	70 M	7,200	-	08-28-35	Qal(T) Tn	-	-	DIA	-	-	4	-	-
27.02.02.2423	363502 1070015	-	354	7,194	192	08-07-76	TeJ	-	-	-	-	-	-	-	TDS = 2,870 mg/L (8-7-76).
27.02.04.2233	363510 1070233	-	-	7,107	100	08-07-76	TeJ	-	-	-	-	-	-	-	TDS = 2,340 mg/L (8-7-76).
27.02.09.1	-	Levato Carambullo	420	7,200	dry	-	TeJ	-	-	DIA	-	-	-	-	Dry hole.
27.02.20.233	363219 1070351	Magnolia 1-1	4,198	7,349	-	-57	-	-	-	-	-	-	-	-	-
27.02.24.1	-	Mabel Valerda	293	7,350	100	08-11-77	TeJ	-	-	DIA	-	-	-	-	-
27.02.26.1	-	Edward Valerda	413	7,280	150	08-23-77	TeJ	-	-	DIA	-	-	-	-	-
27.03.11.3321	363500 1070711	Magnolia #32SE	-	6,980	-	08-25-58	Ep1	11,000	08-25-58	TOP	-	-	-	-	Gas well; sample from production water 8-25-58.
27.03.13.4	-	Lucian Serafin	390	7,050	100	11-04-76	TeJ	-	-	DIA	-	-	-	-	-
27.03.18	-	Lucian Serafin	310 M	-	260	08-07-71	TeJ	-	-	DIA	-	-	10M	-	-
27.04.01.222	363628 1071139	Piedre Blanca Spring	-	6,960	-	06-29-67	TeJ	-	-	-	-	-	0.2	-	Developed.
27.04.02.232	363617 1071258	Chosa Springs, (USFS)	-	7,095	-	06-27-67	TeJ	1,400	06-27-67	-	-	-	0.1	-	Unused.
27.04.02.234	363612 1071259	Willow Spring, (USFS)	-	7,050	-	06-27-67	TeJ	2,200	06-27-67	-	-	-	0.1	-	Unused.
27.04.09.441	363459 1071459	Agua Bonita Spring	-	6,730	-	08-15-61 06-26-67	TeJ	1,530 * 1,500	08-15-61 06-26-69	-	-	-	10M 8R	-	-
27.04.30.1222	363303 1071730	Jaramilla Spring	-	6,700	-	08-15-61	TeJ	1,360 **	08-15-61	-	-	-	4R	-	Flowing at low ebb; "old time reliable spring".
27.05.01.224	363623 1071802	Tecolote Spring	-	7,190	-	06-30-67	TeJ	850	06-30-67	-	-	-	-	-	Ponded.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos per centimeter at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
27-05-03.214	363626 1072026	EPNG 27-5 Well #1	1,850	6,592	-	-	Tsj	2,040 2,083	05-02-67 04-12-72	GR, IND	a	-	-	-	-
27-06-07.2231	363537 1073006	Jack Lobato	223 M	6,174	55.0	220-223	Tsj	-	-	DLR	-	-	-	-	-
26-06-08	-	Jack Lobato	223 M	-	25.0	210-225	Tsj	-	-	DLR	-	-	-	-	-
27-07-08.31	363510 1073614	W. H. Riddle	5,547	6,646	-	05- -58	-	-	-	TOP	-	-	-	-	Converted to water.
27-07-13.2413	363436 1073319	EPNG Gould Pass #1	1,624	6,850	-	04-19-74	Tsj	2,500	04-19-74	DEM	-	-	-	-	-
27-07-26	-	R. Archuleta	309 M	-	240.0	09-25-71	Tsj	-	-	DLR	-	-	9	-	-
27-08-05.241	363623 1074152	-	-	5,950	F	05-18-61	-	6,130 **	05-18-61	-	-	-	4	-	Gas well.
27-08-10.3341	363458 1074028	-	71M	5,880	22.8	11-20-74	Qa1	-	-	-	-	-	-	-	Windsill, abandoned.
27-08-19.3332	363317 1074351	Dug well	-	6,000	-	-	Qa1	1,450	02-08-77	-	-	-	-	-	Busty color.
27-08-31.221	363213 1074257	-	-	6,240	F	11-20-74	-	-	-	-	-	-	-	-	Destroyed well.
27-09-13.4314	363414 1074421	-	-	5,950	-	-	-	4,800	02-08-77	-	-	-	5	-	Oil test spring.
27-09-21.1443	363340 1074740	-	20M	6,210	-	-	Qa1	870	11-20-74	-	-	-	-	-	Jacques Canyon Windsill.
27-09-29.3112	363241 1074902	-	-	6,326	56.5	11-20-74	Tu(t)	-	-	-	-	-	-	-	Jacques Canyon Windsill.
27-10-07.13222	363532 1075631	-	1,738	5,801	F	03-13-64	Epc(t)	-	-	-	-	-	-	-	Converted to H ₂ O on 3-13-64; may not be final depth.
27-10-11.1244	363537 1075154	Arzente Canyon Spring	-	6,040	-	-	Tu(t)	2,200	11-04-75	-	-	-	>0.1	-	-
27-11-07.2232	363542 1080220	-	-	6,080	409.0	05-06-75	Tu(t)	-	-	-	-	-	-	-	-
27-11-11.3	-	EPNG Chaco	695	6,140	-	-	Tu(t)	1,540 **	10-26-74	-	-	-	-	-	-
27-11-16.1434	363432 1080040	Gallegos	-	6,256	-	-	-	1,790	05-06-75	-	-	-	-	-	Windsill.
27-11-19.1132	363355 1080305	Gallegos	-	6,105	-	-	-	875	05-06-75	-	-	-	-	-	Windsill.
27-11-26.4111	363242 1075820	Hill Top Liqueor Store	1,280	6,450	750	-	Tu(t)	1,060 *	12-04-64	-	-	-	-	-	-
27-12.13.142	363441 1080315	-	-	6,070	408	-	Tu(t)	-	-	-	-	-	-	-	Aquifer test.
27-12.13.222	363454 1080347	-	-	6,110	302	-	Tu(t)	1,100	02-22-71	-	8	-	-	-	Aquifer test.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
27.12.13.3111	363430 1080415	EPNG Chaco #8	671	6,032	161	04- -57	TKoa, Kk	-	-	-	-	-	-	-	-
27.12.13.3214	363425 1080352	EPNG Chaco #5	340	6,035	-	-	TKoe	-	-	-	-	-	40	-	-
27.12.13.3313	363413 1080415	EPNG Chaco #7	750	6,032	177	03-12-57	TKoa, Kk	-	-	DIA	-	-	-	-	Step test.
27.12.14.4111	363430 1080447	EPNG Chaco #6	540	6,002	218	03-10-57	TKoa, Kk	-	-	DIA	-	-	-	-	Step test.
27.12.16.1443	363432 1080703	Gallegos Tr	-	5,783	-	-	TKoa	1,050 **	10-26-74	-	-	-	-	-	-
27.12.16.24	363402 1080704	Gallegos Ranch #1	115	5,790	-	-	TKoa	-	-	-	-	-	-	-	-
25.12.20.324	353331 1080807	19T-5198	85	5,762	7.3	06-18-75	Tn	-	-	DIA	-	75	8	-	Abandoned; TDS = 10,476 mg/L.
27.12.24.3332	363317 1080412	"KaKay Windmill"	-	5,971	76.3	05-06-75	TKoa	-	-	-	-	-	-	-	-
27.12.35.4244	363140 1080419	Pete Spring	-	5,923	-	-	Tn	1,500	11-04-75	-	-	-	5K	-	-
27.13.05.22	363635 1081405	McGee Bros. Ranch Well	152	5,895	100	-	TKoa, Kk	-	-	-	-	-	-	-	-
27.13.08.2234	363338 1081410	McGee #4, "English Well"	-	5,939	201.0	05-07-75	TKoa, Kk	-	-	-	-	-	-	-	Abandoned.
27.13.15.332	363414 1081240	F.A. Schultz #1	-	6,015	-	-	Kd	38,460	-	-	-	-	-	-	-
27.13.16.1411	363442 1081342	Coppinger	-	5,984	211.2	05-06-75	TKoa	1,910	05-06-75	-	-	-	-	-	Abandoned.
27.13.20.3111	363338 1081503	Blackwater Well	-	6,100	-	-	-	1,020	-	-	-	-	-	-	Busty water.
27.13.23.4431	363318 1081039	19T-519	160	5,955	53	12- -74	TKoa	10,730	05-07-75	LTH	-	106	7	3	Abandoned.
27.13.25.1134	363301 1081039	19T-519A	470	5,975	135	06- -75	TKoa	-	-	DIA, LTH	-	330	1.5	2	Abandoned.
27.13.26.3411	363230 1081133	1T-501	-	6,045	166.3	05-06-75	TKoa	2,060	05-06-75	-	-	-	-	-	Sample from stock tank.
27.13.33.4213	363148 1081308	High Lake Well	230 M	6,150	145.7	05-06-75	TKoa	-	-	-	-	-	-	-	Abandoned.
28.01.26	-	BIA	40	-	47Y	-	-	-	-	-	-	-	-	-	-
28.02.04.4	-	Bell Well	252	7,340	150	10-10-72	TeJ	-	-	DIA	-	-	-	-	1 gal/min at 115 feet, 5 gal/min at 210 feet.
28.02.15.1	-	Jicarilla	210	7,234	185	12-01-35	TeJ	-	-	DIA	-	-	4	-	Barro Well North.
28.02.15.1443	363824 1070151	Upper Barro Canyon	152	7,234	110	06-29-67	TeJ	2,100 2,000	06-29-67 07-10-78	-	-	-	-	-	-
28.02.18.3312	363806 1070528	Lower Barro Canyon	229	7,089	72	06-29-67	TeJ	3,000	06-24-67	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to Water (feet)	Producing Interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
28.05.25.142a	363806 1071839	Arnold Ranch Spring	-	6,790	-	06-30-67	Taj(?)	-	-	-	-	-	-	-	Seep.
28.05.35.144	363704 1071944	Russell Arnold	54	6,630	-	-	Qal	-	-	-	-	-	11	-	-
28.06.08	-	Largo Grazing Corp.	962	6,830	-	10-30-70	Taj	-	-	-	-	-	-	-	2 gal/min at 810-834 feet.
28.06.23.3323	363830 1072626	EPNG 28-6, Well #76	1,551	6,570	-	05-20-67	Taj	3,330 4,000	05-22-67 09-05-74	CR, DND	-	-	-	-	Log reports depth = 3,501 feet; drilled into Ta.
28.06.25.13	363803 1072529	Largo Grazing Corp.	675	6,690	455	05-29-73	Taj	-	-	DLR	-	-	-	-	3 gal/min at 365-385 feet; 10 gal/min at 610-675 feet.
28.08.17.114	363957 1074235	-	-	6,800	2	05-18-61	Qal	4,010 *	05-18-61	-	-	-	-	-	Drainline pit; source of H ₂ O for drilling.
28.08.26.141	363806 1073912	-	-	6,000	-	-	Tu	10,000	01-12-72	-	8	-	-	-	-
28.08.33.414	363658 1074059	-	-	6,900	-	-	Tu	5,950	1-13-72	-	8	-	-	-	-
28.09.20.1144	363905 1074658	-	110	5,812	79.6	11-18-74	Tu, Qal	6,000	11-18-74	-	-	-	-	-	Manor Canyon Windmill; sample from tank.
28.10.26.32	363755 1075158	Tenneco	-	5,800	F	06-07-75	Tu	4,580 **	10-16-74	DLR	-	22	45	4	Flowing well; plugged back from 700 ft.
28.11.17.4423	362927 1080110	19T-321	370	5,680	238	03- -75	Tkca	-	-	DLR	-	-	-	-	Plugged back.
28.11.18.3121	363943 1080302	Donald Mangum	95.4M	5,520	43.8	04-09-68	Tu	2,510 *	04-09-68	-	-	-	-	-	-
28.12.12.3114	364031 1080409	E. Wood	87	5,420	38.3	10-21-74	Tu	3,700	10-21-74	-	-	-	-	-	-
28.12.25	-	Pan Am	600Q	-	-	-	Kk	-	-	-	8	-	-	-	-
28.12.27	-	Pan Am	600Q	-	-	-	Kk	-	-	-	8	-	-	-	-
28.12.28	-	Pan Am	600Q	-	-	-	Kk	-	-	-	8	-	-	-	-
28.12.34.4231	364028 1081307	Gallegos	267Q	5,860	142 165	-	Tkca	-	-	-	-	-	-	-	Windmill.
28.13.09.4333	364010 1081324	Bentley Spring Well	-	5,960	2.5	05-06-75	Tu or Tkca	400	11-04-75	-	-	-	-	-	Curbing and cover dated 11-26-65.
28.13.16.21	364005 1081318	-	7,150	6,050	-	-	Kaf, Kpl, Ja	-	-	TOP	-	-	-	-	H ₂ O for injection.
28.13.18.1	-	Mangum Ranch	90	5,915E	-	-	Tkca	-	-	-	-	-	-	-	-
28.13.20.3133	363843 1081503	McGee Well #6	-	5,895	-	-	-	1,400	11-07-74	-	-	-	-	-	-
28.13.21.443	363829 1081306	Navajo Ad. office	863	6,010	377.5	02-24-75	Kka	-	-	TOP	-	173 *	4.5	5	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
28.13.29.4114	363754 1081426	Bentley	163M	5,865	107.1 104.4	-	Kk	-	-	-	-	-	-	-	Abandoned.
28.13.32.3	-	M Gallegos	480	5,860K	-	-	Tkca, Kk	-	-	-	-	-	-	-	-
29.02.13.4	-	Harold Vicenti	150	7,400	30	60-80, 118-138	Qa1, Tej	-	-	DIA	-	-	-	-	25-30 gal/min at 60-72 feet.
29.02.22.1	-	Harrison Klotz	475	7,135	355	310-350	Tej	-	-	DIA	-	-	-	-	-
29.02.22.441	364220 1070120	Jicarilla	198	7,150	174.1M	-	Qa1	1,500	06-29-67	-	-	-	1	-	-
29.02.26	-	Harold Vicenti	350	-	175	89-100, 189-215, 295-312	Tej	-	-	-	-	-	-	-	-
29.02.26.4	-	Harold Vicenti	235	7,220	96	89-109, 144-164	Tej	-	-	DIA	-	-	-	-	-
29.03.04	-	Jicarilla	315	7,180	230	220-250, 260-295	Tej	-	-	DIA	-	-	-	-	-
29.03.20.234	364241 1071011	Jicarilla	75	6,875	22.2M 21.3M	-	Qa1	2,600	06-29-67	-	-	-	3	-	-
29.04.01.223	364530 1071149	Vequerose Well, (USFS)	115	6,680	30	-	Qa1	-	-	-	-	-	-	-	Unused.
29.04.19.412	364238 1071724	Bubbling Spring	-	6,555	-	-	Tej	1,250 * 1,290	08-15-61 06-23-67	-	-	-	4	-	Developed; at low ebb, usually twice as much flow.
29.04.19.421	364236 1071723	Spring (USFS)	-	6,570	-	-	Tej	900	06-23-67	-	-	-	4	-	-
29.04.36.3a	-	CB-1 EPWC	4,308	7,198	1,020	3,463-3,642	Tkca	8,210 ** 7,450 **	02-23-67 02-26-67	-	-	1,680 * 5.3	2.5	2.5	Gasbuggy.
29.04.36.3b	-	CB-2 EPWC	4,247	7,199	1,020	3,465-3,649	Tkca	9,350 **	04-17-67	-	-	580 * 9.5	3.75	3.75	Gasbuggy.
29.05.15	-	V. Lobato	480	-	250	125-140, 232-260, 432-446	Tej	-	-	DIA	-	-	-	-	-
29.05.24.413	364232 1071827	Asarante Spring	-	6,570	-	-	Tej	815	06-23-67	-	-	-	0.6M	-	Unused.
29.05.25.132	364157 1071850	Burro Spring	-	6,580	-	-	Tej	740	06-23-67	-	-	-	0.3M	-	Developed.
29.05.28.422	364145 1072115	SLM	130Q	6,650	122.4	-	Qa1	-	-	-	-	-	-	-	-
29.06.20.3	-	Shall Oil	219	6,340	-	-	Tej	3,960 **	11-17-74	-	-	-	-	-	Analysis only.
29.06.21	-	Porter Smith	290	-	-	-	Tej	-	-	DIA	-	-	20	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Diameter (in)	Duration (hours)	Remarks
29.06.28.3123	364144 1072825	EPNG 29-6, Well #1	1,209	6,305	-	02-04-70	700-720, 774-784, 810-820, 850-860, 916-926, 1,000-1,010, 1,050-1,060, 1,100-1,110, 1,150-1,160	TaJ	2,240 2,127 2,381	02-04-70 05-22-73 07-31-74	DLR, DEM	s	-	-	-	TDS-1,885 mg/L (5-22-73). TDS-3,400 mg/L (7-31-74).
29.06.29	-	John Pettus	180	6,280	50	09-12-71	170-180	TaJ	-	-	DLR	-	-	40	-	TDS-3,400 mg/L (7-31-74).
29.06.35	-	Shell NW	250	6,400	-	10-27-74	-	TaJ	1,780 **	10-27-74	-	-	-	-	-	-
29.07.04.3143	364505 1073456	Frank Kenney	370	6,150	-	10-16-74	-	TaJ	2,990 **	10-16-74	-	-	-	-	-	-
29.07.05.3132	364510 1073603	Dutchman Bar	-	6,170	-	10-16-74	-	TaJ	2,620 **	10-16-74	-	-	-	-	-	Same as 29.07.05.3132a(1).
29.07.05.3132a	364511 1073608	-	-	6,200	-	-	-	-	1,650	06-26-78	-	-	-	-	-	Same as 29.07.05.3132(1).
29.07.15.421	364330 1073307	Governador Oil	400	6,205	-	04- -31	-	TaJ	-	-	-	-	-	-	-	Same as 29.07.05.3132(1).
29.07.23	-	John Pettus	225	-	-	10-18-68	200-225	TaJ	-	-	DLR	-	-	30	-	Plugged, abandoned 12-33.
29.07.32.4423	364041 1073509	Pat Montoya	779	6,720	712	11-11-75	730-779	TaJ	-	-	DLR	-	-	11	-	-
29.08.09.3433	364403 1074053	EPNG Manzaneros Mesa #1	1,624	6,492	569	-	206-230, 270-286, 350-462, 504-554, 588-600, 610-626, 640-668, 680-748, 756-774, 785-1,624	Ta	2,160	10-05-72	-	a	-	38	-	Deepened in Feb. 1973 from 802 ft.
29.09.02.211	364511 1074522	R.E. Newman	-	6,040E	-	-	-	-	850	06-04-68	-	-	-	-	-	-
29.09.03.233	364514 1074554	Ralph Chavez	7	5,611	-	-	-	Qa1	739 *	04-03-68	-	-	-	-	-	Very near ditch.
29.09.03.233a	364515 1074550	Ralph Chavez, dug well	16	5,612	5.6	10-01-74	-	Qa1	460	- -74	-	c*	-	-	-	Probably same as 29.09.03.233.
29.09.04.1	-	C. Gurule	45	5,610	-	-	-	Qa1	840	02- -76	-	c*	-	-	-	-
29.09.04.1411	364526 1074719	Max Jacques	54	5,615	36.0	10-03-74	-	Qa1	820	10-03-74	-	c*	-	-	-	Sampled from kitchen tap.
29.09.04.4233	364502 1074645	Benny Gutierrez	20	5,375	8.5	10-02-74	-	Qa1	595	10-02-74	-	c*	-	-	-	-
29.09.05.3212	364512 1074820	C. Pacheco	30	5,600	12.7	10-02-74	-	Ta	-	-	-	c*	-	-	-	Deused.
29.09.06.2412	364533 1074842	-	-	5,640	7	10-21-75	-	-	12,000	10-21-75	-	-	-	5-10	-	Abandoned; flowing well.
29.09.06.4123	364506 1074903	Fidel Montoya	48	5,630	21.5	10-02-74	-	Ta	1,750	10-02-74	-	c*	-	-	-	-
29.09.07.4222	364420 1074840	Ether Valencia	30	5,590	8.5	10-02-74	-	Qa1	1,300	10-02-74	-	-	-	-	-	-
29.09.07.4241	364413 1074839	T. Valencia	26.4M	5,570	12.0	05-17-61	-	Qa1	1,440 *	05-17-61	-	-	-	-	-	-
29.09.17.232	364340 1074735	USFS	295	5,720	15	03-07-62	275-285	Ta	5,940 *	03-07-62	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
29.09.17.241	364341 1074745	Lytle Anderson	-	5,725	-	-	Tn	8,210 *	04-03-68	-	-	-	-	-	Scheduled 1968.
29.09.17.2411	364345 1074749	L. G. Anderson	119	5,720	84.5	99-119	Tn	2,700	10-02-74	-	-	-	-	-	Drilled 1973.
29.09.17.324*	364322 1074808	U.S. Government, spring	-	5,645	-	-	Tn	5,870	05-18-61	-	-	-	-	-	-
29.09.18.3113	364328 1074925	S. Ross Parish Church	39	5,5708	29.6	05-19-61	Qel	692 *	05-19-61	-	-	-	-	-	50 ft from ditch.
29.09.18.3114	364326 1074932	Pets Valdez	32	5,520	5.0	10-02-74	Qel	1,670	10-02-74	-	-	-	-	-	-
29.09.18.322	364328 1074905	Vern Tomlinson	17 M	5,550	5.7	04-03-68	Qel	3,020	04-03-68	-	-	-	-	-	-
29.09.18.411	364328 1074856	J. Schindlerdecker	40	5,550	3	05-19-61	Qel	2,290 *	05-19-61	-	-	-	-	-	-
29.09.18.422	364324 1074836	State Hwy Dept., spring	-	5,575	-	-	Tn	7,340 *	05-17-61	-	-	-	18	-	Water quality "bad".
29.9.21.1412	364248 1074708	Seep	-	5,640	-	-	Tn	7,000	10-20-75	-	-	-	<0.38	-	-
29.09.22.123	364255 1074606	-	-	5,880	-	-	Tn	15,600	06-12-72	-	8	-	-	-	-
29.10.16.2143	364348 1075314	-	61 M	5,640	27.6 28.0	11-18-74 10-22-75	Tn	-	-	-	-	-	-	-	Blaine Canyon Windmill.
29.10.19.3112	364238 1075551	Leo Serrano	48 37 M	5,480	22.0 13.9	04-04-68 10-09-74	Qel	1,750 1,160	04-04-50 10-09-74	-	-	-	-	-	-
29.10.24.212	364302 1074950	Blanco School	47 M	5,570	23.2	04-04-68	Qel	715 *	04-04-68	-	-	-	-	-	-
29.10.24.2311	364250 1075001	Amadeo M Herrera	32	5,525	2.8	10-08-74	Qel	630	10-08-74	-	-	-	-	-	-
29.10.26	-	Pen Am Petroleum	600Q	-	-	-	Tn	- *	- -59	-	-	-	-	-	-
29.10.26.3324	364129 1075128	Ross Willson	52	5,540	-	-	Qel	760	10-03-74	-	-	-	-	-	-
29.10.27.3433	364127 1075226	Bur. Rec.	100	5,560	18.4	10-03-74	Qel	300	10-03-74	-	-	-	-	-	-
29.10.28.3133	364137 1075243	Paul Downing	72	5,540	34.1	10-03-74	Tn	5,000	10-03-74	-	-	-	-	-	-
29.10.30.1411	364158 1075540	Milton Lechner	500	5,491	-	-	Tn	4,090 *	04-04-68	-	-	-	-	-	Producing gas from Kf. H ₂ O from TMs.
29.10.30.233	364156 1075525	Milton Lechner	60	5,500	52 22.8	- -61 04-04-68	Tn	3,250	04-04-68	-	-	-	-	-	-
29.10.30.2344	364152 1075515	H. A. McDaniel	100	5,520	12.8	10-04-74	Tn	5,500	10-04-74	-	-	-	-	-	-
29.11.19.344	364217 1080158	Utinio Archibeque	34M	5,470	17.8	04-09-68	Qel	2,790 *	04-09-68	-	-	-	-	-	-
29.11.25.114	364205 1075653	Bur. Rec. #41	10M	5,470	4.7	04-16-68	Qel.	2,500	04-16-68	-	-	-	-	-	Stovepipe casing.
29.11.25.1233	364204 1075646	Bruce Sullivan	36	5,475	7.2	10-04-74	Tn	-	-	-	-	-	-	-	Water from domestic well nearby is 2,200 umhos.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (micro- mhos at 25 C)	Date	Logs available	Reference	Draw- down (feet) min	Differential charge (gal./ min)	Duration (hours)	Remarks
29.11.25.132	364158 1073653	Bur. Rec. #39	104	5,470	1.8	04-16-68	Tn	6,300	04-16-68	-	-	-	-	-	-
29.11.30.211	364212 1080152	Narciso Archibeque	46	5,465	43	-	Qa1	748	04-09-68	-	-	-	-	-	-
29.11.30.233	364152 1080152	Delbert Blake	94	5,390	8.8	04-09-68	Qa1	886	04-09-68	-	-	-	-	-	-
29.11.31.321	364043 1080217	-	1,720	5,437	-	-	Kpc	-	-	TOP	-	-	-	-	Converted to water.
29.11.31.3342	364037 1080214	Edgar Lund	600	5,458	29.1	10-09-74	Tkoe	-	-	-	-	-	-	-	Oil test plugged back.
29.11.31.3424	364042 1080158	Richard Sego	326	5,480	-	-	Tkoe	-	-	-	-	-	-	-	"Not fit to drink".
29.11.34.4144	364046 1073827	-	800	5,640	-	-	Tkoe	-	-	TOP	-	-	-	-	Source for R.O. injected; plugged back from TD of 1,355 feet.
29.12.06.133	364321 1080847	George McColm	16	5,440	6	11-24-53	Qa1	2,250	11-24-53	-	-	-	10	-	-
29.12.07.4133	364417 1080817	7th Day Arent Church	234	5,600	170.5	10-08-74	Klf, Tkoe	2,500	10-08-74	-	-	-	-	-	-
29.12.18	-	Pen Am Pet.	-	-	-	1,435-1,448	Kpc	-	04-30-59	-	-	-	-	-	TDS = 29,800 mg/L, 1959.
29.12.19.3211	364242 1080833	Thomas F. Kirby	62	5,360	45.4	04-05-68	Qa1	2,100	04-05-68	-	-	-	-	-	-
29.12.19.3231	364235 1080837	Thomas F. Kirby	44	5,330	32.1	04-05-68	Qa1	900	04-05-68	-	-	-	-	-	-
29.12.20	-	-	-	-	-	1,550	Kpc	-	-	-59Q	-	-	-	-	Analysis only, TDS = 30,200 mg/L, 1959.
29.12.20	-	Pen Am Pet.	1,415	5,437	-	1,378-1,388	Kpc	39,200	02-22-59	-	-	-	-	-	Gas well, sample from pit.
29.12.21.3	-	-	-	-	-	-	-	4,090	03-15-74	-	-	-	-	-	Analysis only.
29.12.28	-	Pen Am	-	-	-	-	Kpc	-	04-30-59	-	-	-	-	-	Gas well; TDS 37,800 mg/L.
29.12.28.2111	364215 1080609	D. H. Brownlee	120	5,392	18.8	11-07-74	Tkoe	-	-	-	-	-	-	-	Unused.
29.12.29	-	Pen Am	44	-	-	-	Qa1	-	04-30-59	-	-	-	-	-	Reported casing depth: TDS = 2,210 mg/L.
29.12.30	-	-	-	-	-	1,240	Kpc	-	-	-59	-	-	-	-	WHP depth = 1,240 ft; TDS = 45,600 mg/L.
29.12.33.2411	364111 1080553	-	850	5,360	7	10-21-74	Klf	12,250	10-21-74	-	-	-	58	-	Hammond Canal Well.
29.12.34.421	364056 1080450	Bureau of Reclamation	134	5,370	5.3	04-17-68	Qa1	2,950	04-17-68	-	-	-	-	-	Stovepipe casing.
29.12.34.4341	364036 1080500	Chas. Christensen	100	5,480	65.5	10-21-74	Tkoe	-	-	-	-	-	-	-	-
29.12.35.342	364042 1080410	Bureau of Reclamation #26	64	5,380	3.6	04-18-68	Qa1	4,620	04-18-68	-	-	-	-	-	Stovepipe casing.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conduct- ance (umho at 25 C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
29.12.35.342a	364042 1080410	Bureau of Reclamation #27	6M	5,390	3.5	-	Qa1	2,140 *	04-18-68	-	-	-	-	-	Stovepipe casing.
29.12.35.343a	364034 1080412	J. L. Mangum	74M	5,415	45.2	-	Qa1	2,230 *	04-09-68	-	-	-	-	-	-
29.12.35.344	364035 1080408	Bureau of Reclamation #28	14M	5,400	9.9	-	Qa1	2,190 *	04-18-68	-	-	-	-	-	Stovepipe casing.
29.12.35.4443	364033 1080339	E. D. Brimhall	50	5,420	28.0	-	Qa1	4,020	10-09-74	-	-	-	-	-	-
29.12.36.144	364102 1080305	Bureau of Reclamation #88	9M	5,390	7.8	-	Qa1	3,620 *	04-18-68	-	-	-	-	-	Stovepipe casing.
29.12.36.311	364035 1080330	Bureau of Reclamation #23	13M	5,385	6.1	-	Qa1	1,410 *	04-18-68	-	-	-	-	-	Stovepipe casing.
29.12.36.311a	364035 1080330	Bureau of Reclamation #89	7M	5,380	1.8	-	Qa1	10,500 *	04-18-68	-	-	-	-	-	Stovepipe casing.
29.12.36.332	364042 1080322	Bureau of Reclamation #22	18M	5,405	14.3	-	Qa1	872 *	04-18-68	-	-	-	-	-	Stovepipe casing.
29.12.36.4343	364034 1080249	C. J. Burnham	280	5,425	40	-	Tkoa	4,700	10-10-74	-	-	-	-	-	-
29.13	-	Brimhall Ranch	365	-	280	07-21-52	-	-	-	-	-	-	3	-	-
29.13.1Q	-	H. L. Bailly	-	-	-	-	Et	-	-	-	-	-	-	-	-
29.13.7.1442	364430 1081450	Dept. of Interior	72	5,250	17.6	-	Et	5,200	11-05-65	-	-	-	-	-	-
29.13.11.221	364450 1081008	F. L. Lee	125	5,380	15	-	Et, Qa1	1,000 *	02-19-59	-	-	-	-	-	-
29.13.12.2344	364428 1080912	Dr. Williams	250M	5,566	-	-	Et	-	-	-	-	-	-	-	Well is plugged with sand.
29.13.12.3441	364406 1080930	Full Gospel Revival	140	5,470	59.0	-	Et	-	-	-	-	-	-	-	Poor producer; water is hauled in.
29.13.14.443	364312 1081010	Dowall Inc.	100	5,330	15	02-23-59	Et, Qa1	901 *	02-23-59	-	-	-	-	-	-
29.13.15.324	364325 1081138	Carl Kennedy	40	5,305	8	02-23-59	Qa1	929 *	02-23-59	-	-	-	-	-	-
29.13.15.413	364325 1081130	McCormick School	80	5,315	8	02-23-59	Qa1	598 *	02-23-59	-	-	-	-	-	Sample questionable.
29.13.17.441	364319 1081322	Am Navajo Mission	35	5,420	6	02-23-59	Qa1	-	-	-	-	-	-	-	Analysis incomplete.
29.13.18.2414	364342 1081425	-	959	5,249	-	-	-	-	-	TOP	-	-	-	-	Source for injection H ₂ O; plugged back.
29.13.28.2	-	O. J. Carson	10	5,300E	6	11-25-33	Qa1	- *	11-25-33	-	-	-	-	-	-
29.13.36.322	364054 1080926	Spring	-	5,460	-	-	Ta	3,000	04-10-68	-	-	-	-	-	No discharge observed 4-10-68.
29.14.02.1422	364333 1081642	Locke Arroyo Well	56M	5,460	46.4	11-19-74	Et	-	-	-	-	-	-	-	Abandoned.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
29.14.07.333	364410 1082130	Elmer Davidson	25	5,186	5	02-07-66	Qe1	1,100 e	02-07-66	-	-	-	-	-	Drive point, location questionable.
29.14.11.411	364422 1081641	Wesley B. Jones	500	5,445	154.9	11-19-74	Kk	-	-	-	-	-	-	-	Not used.
29.14.14.4114	364330 1081636	-	-	5,220	32.5	11-06-74	Kk	6,100	11-06-74	-	-	-	-	-	Q31-1.48x1.72.
29.14.15.1322	364346 1081805	Steve Arnold	60	5,212	14.5	11-07-74	Qe1	650	11-07-74	-	-	-	-	-	-
29.14.15.2311	364347 1081745	Alfred Stallings	38	5,200	23	11-19-74	Qe1	870	11-19-74	-	-	-	-	-	-
29.14.15.4124	364329 1081733	NW Cha Cha Unit #9	-	5,180	-	-	Qe1	-	-	-	-	-	-	-	One of a group; Q31-2.36x1.73.
29.14.17.2422	364347 1081928	Scott Broten	27	5,178	1.6	11-07-74	Qe1	1,115	11-07-74	-	-	-	-	-	-
29.14.18Q	-	R. E. Dwyer	-	-	-	-	-	-	-	-	-	-	-	-	-
29.14.18	-	Geiman Trailer Park	-	-	-	-	Qe1	-	-	-	-	-	-	-	-
29.14.18.4243	364323 1082037	13K-211	-	5,170	23.8	11-06-74	Qe1	1,090	11-06-74	-	-	-	-	-	0.4 miles north of St. M. Church; Q31-5.18x1.86.
29.15.04.2422	364534 1082447	Western Coal	300	5,250	-	-	Kpc	-	-	LTH, CH, MS, DCM	-	-	-	-	Drilled 1975.
29.15.06.1133	364538 1082800	R. V. Michoie	33	5,060	13.4	11-21-74	Qe1	-	-	-	-	-	-	-	Driven well.
29.15.10.3112	364428 1082441	-	9M	5,141	3.1	11-19-74	Qe1	-	-	-	-	-	-	-	San Juan Windmill; Q31-8.88x0.57.
29.15.10.414	364420 1082403	Wesleyan Navajo Mission	19	5,100	9	02-21-59	Qe1	1,210 *	02-21-59	-	-	-	-	-	-
29.15.10.424	364420 1082350	Fruitland Trading Company	30	5,115	5	02- -66	Qe1	825 **	02-07-66	-	-	-	-	-	Driven well.
29.15.36.1433	364102 1082222	FNM GT-2	-	5,450	-	-	Kf	-	-	-	-	-	-	-	Pump test only.
29.16.02.4	-	R. A. French	37	-	-	34-37	Qe1	6,460 *	02-01-56	-	-	-	10	-	-
29.16.04.244	364327 1083115	W. Wheeler	50	5,030	-	-	Qe1	2,580 **	10-06-69	-	-	-	-	-	-
29.16.04.433	364502 1083142	W. Wheeler, spring	-	5,020	-	-	Qe1	2,440 **	10-06-69	-	-	-	-	-	-
29.16.04.443a	364502 1083125	USGS SJ-1	28	5,020	5.0	10-06-69	Qe1	2,160 **	10-06-69	-	-	-	-	-	-
29.16.09.221	364452 1083125	USGS SJ-4	7	5,018	1.0	10-06-69	Qe1	2,960 **	10-06-69	-	-	-	-	-	-
29.16.09.223	364445 1083125	USGS SJ-3	8	5,016	3.0	10- -69	Qe1	3,200 **	10-06-69	-	-	-	-	-	-
30.02.11.11	364953 1070114	Cercia	65	7,280	-	-	Qe1(?)	-	-	-	-	-	-	-	-
30.02.18	-	Fraida Havens	274 M	-	60.0	07-21-71	Tef	-	-	DJA	-	-	-	-	1 gal/min at 130 feet; 1 gal/min at 249 feet.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dure- tion (hours)	Remarks
30.02.21.41	364747 1070242	Barbara Gonzales	380 M	7,310	280.0	10-14-72	352-380	TsJ	-	DLR	-	-	2.5	-	-
30.02.29.24	364709 1070322	Avelino Velarde	65	7,377	-	-	-	Qal(T), TsJ	-	-	-	-	-	-	-
30.02.31	-	Jicarilla	500	-	-	-74	-	TsJ	-	DLR	-	-	-	-	-
30.03.08.4	-	Juan Casador	362 M	7,100	-	08-12-72	109-119, 260-321	TsJ	-	DLR	-	-	25	-	-
30.03.23.1	-	Calvin Veneno	430	7,200	-	11-14-74	280-320, 360-400	TsJ	-	DLR	-	-	-	-	-
30.03.23.2	-	-	80 M	7,250	70	03-06-37	-	Qal(T), TsJ	-	DLR	-	-	0.1	-	Plugged back from 405 feet.
30.03.29.1	-	Cabrerato	600	7,235	-	-	-	TsJ	-	-	-	-	-	-	-
30.03.29.1322	364512 1071043	Jicarilla	600	7,235	-	-	-	TsJ	-	-	-	-	2M	-	-
30.03.32.3434	364561 1071032	Jicarilla	200 M	7,038	64.1 61.7	06-28-67 12-08-67	-	TsJ(T), Qal(T)	-	-	-	-	-	-	-
30.03.36.1	-	Anna Baltazar	402	7,350	-	12-30-74	160-171, 300-350	TsJ	-	DLR	-	-	-	-	-
30.04.35.221	364629 1070648	Fred Bixler	175	7,140	52.7 56.3	06-29-67 12-08-67	-	TsJ	-	-	-	-	3	-	-
30.06.35.341	364617 1070648	Phillips Petro Co.	-	6,342	-	-	-	Tkca	-	-	-	-	-	-	TDG-1239 mg/L (2-12-53); DBT 2563-2685 feet.
30.08.15.1431	364844 1073953	-	8M	5,710	7.8	10-01-74	-	Qal	-	-	-	-	-	-	Alluvium well; unused.
30.08.17.434	364639 1074050	Abe Chavez	37M	5,700	21.0	04-03-68	-	Tn, Qal	2,800	04-03-68	-	-	-	-	-
30.08.19.421	364733 1074219	Abe Chavez	30	5,740	-	-	-	Tn, Qal	3,700	04-03-68	-	-	-	-	-
30.08.33.2121	364629 1074035	Spring	-	6,165	-	-	-	-	1,300	10-21-75	-	-	-	-	-
30.09.06.3	-	EPWC Quigley #1	396	6,320	-	-	350-387	Tn	-	-	c*	-	16	-	-
30.09.08.2	-	EPWC Wood River #1	258	6,200	-	-	135-258	Tn	-	-	c*	-	25	-	-
30.09.35.3213	364559 1074513	R. B. Valencia	30	5,620	+2	10-74	-	Tn, Qal	4,500	10-03-74	-	-	-	-	-
30.10.02.1	-	EPWC Atlantic St. #1	520	6,360	-	-	503-518	Tn	1,350	11-75	-	-	30	-	-
30.10.02.2	-	Mud Spring	-	6,350	-	-	503-518	TsJ	1,000	09-75	-	-	-	-	Dry in summer 1975Q.
30.10.03.4	-	B. Redding	320	6,400	50	-	-	Tn	-	-	c*	-	-	-	-
30.10.13	-	EPWC Turner #1	425	6,480	345Q	-	-	TsJ	-	-	c*	-	-	-	-
30.10.14.2	-	Jackson Spring	-	6,400	-	-	-	TsJ	-	-	c*	-	-	-	Dry in summer 1975.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Data	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
30.10.20.3	-	Hartman	-	6,190	91	-	Tn	-	-	-	c ^b	-	-	-	-
30.10.23.2	-	EPNG Middle #1	311	6,280	-	285-305	Tn	-	-	-	c ^b	-	208	-	-
30.10.23.4212	364748 1075052	EPNG Keicher- bocker #1	975	6,219	-	246-266 330-484 596-680 832-946	Tn	4,170 8,330	05-29-73 06-18-75	-	c ^b	-	-	-	-
30.10.24.2	-	EPNG Florence #1	293	6,280	-	-	TaJ	-	-	-	c ^b	-	20	-	-
30.11.04.4124	365025 1075929	Jody Boston	50	5,640	35	09-26-74	Qa1	890	09-26-74	-	c ^b	-	-	-	-
30.11.09	-	Clyde Van Duern	-	-	-	-	Qa1	4,320 *	07-26-54	-	c sm	-	-	-	-
30.11.09	-	Peach Spring	-	-	-	-	-	-	11-25-33	-	m	-	-	-	-
30.11.10	-	A. N. Moore	32	-	-	-	Qa1	-	-	-	c ^b	-	-	-	-
30.11.17.2432	364850 1080026	John Howlett	-	5,622	39.5	09-30-74	Qa1	1,500	09-30-74	-	-	-	-	-	-
30.11.17.3211	364843 1080102	Coy Stocking	-	5,588	10.1	09-26-74	Qa1	910	09-26-74	-	-	-	-	-	-
30.11.19.1134	364807 1080220	Kenneth McCament	143	5,575	24.2	09-26-74	Tn	1,240	09-26-74	-	c ^b	-	-	-	-
30.12.04.1414	365038 1080620	Hickman	-	5,856	67.4	10-22-74	Tn	-	-	-	-	-	-	-	Windmill; abandoned.
30.12.22	-	Bill Ryan	-	-	-	-	-	-	07-11-56	-	m	-	-	-	-
30.12.22Q	-	Dorman	50	-	-	07-26-57	Tkca?	-	-	-	-	-	-	-	Well located "five miles west of Astec".
30.12.23.4343	364727 1080353	Ernest Tolly	29	5,520	11.8	09-26-74	Qa1	1,450	09-26-74	-	-	-	-	-	Well in home.
30.12.24.3221	364750 1080304	Emilio Garcia	31	5,538	14.9	09-26-74	Qa1	-	-	-	-	-	-	-	-
30.12.25.4412	364643 1080236	-	1,895	5,650	-	-	Kpc	-	-	-	-	-	-	-	Converted to H ₂ O.
30.12.27.4221	364658 1080440	Earl Bitter	59	5,590	9.4	09-26-74	Qa1	-	-	-	-	-	-	-	SPC of nearby domestic well is 2,100 umhos.
30.12.28.4422	364648 1080538	Jess Deeu	22	5,465	7.0	09-26-74	Qa1	-	-	-	-	-	-	-	-
30.12.29.12	364722 1080722	Floyd Gordanier	200	5,640	100	02-22-59 194-200	Tkca	2,250 *	02-21-59	-	m	-	-	-	-
30.12.30.1233	364718 1080830	-	-	5,763	-	-	-	-	-	-	-	-	-	-	Converted to H ₂ O.
30.12.31.34	364550 1080830	E. Evans Spring	-	5,430	-	-	Tkca	1,890 *	09-27-46	-	m	-	-	-	In bed of wash.
30.12.32.2331	364614 1080708	McMahon #1, dug well	20	5,410	4.8	03-09-77	Qa1	1,180	03-10-77	-	m	7.35 *	450	8.3	-
30.12.32.2333	364612 1080712	McMahon #2, dug well	20	5,410	5	03-09-77	Qa1	-	-	-	m	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (micro- mhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
30.12.32.4121	364608 1080736	R. Noel, dug well	6	5,418	3	03-09-77	Qal	1,200	03-09-77	-	u	-	-	-	Unused.
30.12.32.413	364601 1080742	McMahon	40	5,435	5	03-10-77	Qal	-	-	-	u	-	-	-	Stable water level when bailed.
30.12.32.4213	364607 1080655	J. A. Harmon	32	5,438	22	03-10-77	Qal	1,600	10-02-74	-	u	-	-	-	-
30.12.33.2333	364612 1080606	Hargis Arroyo	-	5,530	10.6	09-30-74	Qal	970	09-10-74	-	-	-	-	-	-
30.13.02.3311	365015 1081056	Twin Wash	-	5,790	146.4	10-23-74	Tu	-	-	-	-	-	-	-	Windmill.
30.13.05.1423	365040 1081346	Rosco McGee	-	5,556	43.4	10-31-74	Tu	-	-	-	-	-	-	-	Not potable.
30.13.08.1232	364957 1081347	Geo Rascoe	60	5,515	42.5	10-31-74	Kk	2,830	10-31-74	-	-	-	-	-	-
30.13.08.2	-	E. H. Maddox	56	-	-	-	Qal	3,760 a	- -59	-	-	-	-	-	-
30.13.08.3421	364923 1081343	Freda Jordan	128	5,500	64.7	10-31-74	Kk	-	-	-	-	-	-	-	-
30.13.11.4224	364934 1080953	-	-	5,740	86.8	10-22-73	-	2,450	10-22-74	-	-	-	-	-	Windmill.
30.13.28.1112	364728 1081303	Joe Musgrove	62	5,402	32.2	10-31-74	Tkoa	-	-	-	-	-	-	-	Abandoned.
30.14.05.3411	365021 1082008	Wallace Ranch	-	5,460	56.9	11-21-74	Kkf	-	-	-	-	-	-	-	-
30.14.27.4323	364648 1081737	Harper	-	5,520	55.70	11-19-74	Kk	-	-	-	-	-	-	-	Windmill; not used.
30.14.33.4334	364549 1081847	Glines	11M	5,365	8.1	11-19-74	Qal	-	-	-	-	-	-	-	-
30.15.06.4222	365037 1082656	Spring	-	5,322	-	-	Qal	6,000	11-05-75	-	-	-	-	-	Arroyo full of seeps from here to "Westwater Spring"; 30' excavated pool.
30.15.10.4444	364916 1082343	PSC Wall A	620	5,340	65	06-05-73	Kpe	6,400 5,800 5,400 6,690 **	07-27-73 09-07-73 12-10-73 12-19-74	DLR	-	-	-	-	Observation well.
30.15.15.4443	364826 1082348	PSC Wall C	77	5,260	21.2	12-17-74	Kf	7,200 6,800 7,360 9,110 **	07-24-73 09-06-73 12-10-73 12-19-74	DLR	-	-	-	-	Observation well.
30.15.16.3312	364835 1082546	PSC Wall D	35	5,255	22.0	12-17-74	Kf	16,000 21,500 11,200 25,600 **	07-24-73 09-07-73 12-10-73 12-19-74	DLR	-	-	-	-	Observation well.
30.15.21.3132	364755 1082551	Westwater Arroyo	26.6M	5,212	19.7	05-13-75	Kf	31,500 **	10-15-75	-	-	-	-	-	-
30.15.23.441	364744 1082250	CDPC	750	5,260	124	05-23-78	Kpe	19,000 **	05-23-78	-	-	-	-	-	-
30.15.24.423	364750 1082147	CDDB	582	5,330	121	05-23-78	Kf	16,000 **	05-23-78	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
30.15.27.4222	364705 1082343	PSC Well B	450	5,230	79	05-10-73	370-450	Kpc	13,500 13,800 13,000 16,100 **	07-26-73 09-05-73 12-10-73 12-19-74	DLR	-	-	-	-	Observation well.
30.15.28.4123	364703 1082509	PSC Well C	113M	5,185	32.1	12-17-74	98-118	Kf	15,500 13,800 16,300	07-24-73 09-07-73 12-10-73	DLR	-	-	-	-	Observation well; depth reported as 125 feet on casing schedule.
30.15.29.4444	364642 1082551	PSC Well E	50	5,170	22.8	12-17-74	20-40	Kf	8,200 9,500 11,700	07-24-73 09-07-73 12-10-73	DLR	-	-	-	-	Observation well.
30.15.32.3331	364554 1082654	PSC Well F	58	5,130	10.0	12-17-74	18-38	Qal	3,700 1,240 1,200 990 **	07-24-73 09-07-73 12-10-73 12-19-74	DLR	-	-	-	-	Observation well.
30.15.36.321	364613 1082218	GT2 Coal Well	500	5,280	133	05-23-78	470-500	-	6,570 **	05-23-78	-	-	-	-	-	-
30.16.01.2222	365100 1082728	Westwater Spring	-	5,395	-	-	-	Knd	7,000	05-11-75	-	-	-	-	-	-
30.16.01.2222a	365100 1082758	Red Faint Well	84	5,398	2.4	11-05-75	-	Qal	2,800	11-05-75	-	-	-	-	-	Development of Westwater Spring.
30.16.04.4144	365013 1083045	-	2,716	5,366	-	-	2,198-2,662	Jmw	-	-	TOP	-	-	-	-	Source for H ₂ O injection; H ₂ e Cal unit W #3.
30.16.10.3224	364950 1083022	Pan Am	2,990	5,470	-	-	2,312-2,933	Jmw	-	-	TOP	-	-	-	-	H ₂ O well; NE Hogback unit #1.
31.01.03.133	365546 1065550	MDMCA Lumberton	143	6,580	-	03-05-64	-	Qal	2,490 **	03-05-64	-	-	-	<10	-	Not used for drinking or cooking.
31.01.06.111	365608 1065905	Vicenti	52	6,780	18	06- -55	-	Kl	4,920 **	06-06-55	-	1	-	-	-	-
31.01.08	-	Jarvis & Bennett	2,577	-	-	10- -28	2,513-2,570	Kd(?)	-	-	-	-	-	-	-	Artesian well; plugged 1-31.
31.01.22.24	365316 1065459	Jicarilla	2,373	8,100	1,200	-	2,340-2,373	Kd	-	-	-	-	-	-	-	-
31.01.27.1	-	-	290 M	7,350E	dry	10-20-55	-	-	-	-	-	-	-	-	-	-
31.02.01.133	365347 1070008	Well J-1	84	6,760	13	06- -55	-	Kl	3,840 **	10-06-55	-	1	-	30	-	Test well.
31.02.01.211	365607 1065936	Well J-3	55	6,800	40	06- -55	-	Kl	3,560 *	06-06-55	-	1	-	4-5	-	Test well; partial analysis.
31.02.01.342	365328 1065942	BIA	73	6,800	0	04-14-51	30-72	Qal(?)	1,160 * 806 * 1,050 699 **	04-03-51 04-01-54 06-06-55 10-19-67	-	-	55	55	72	Irrigation test.
31.02.01.412	365340 1065925	Well J-2	44	6,770	12	06- -55	-	Qal	2,330 **	06-06-55	-	1	-	15	-	Test well.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet) min	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
31.08.32.344	365052 1074151	EPNG Pump Mesa Water #1	1,992	6,272	-	08-13-75	938-1,650	Tn	14,000 13,000	04-28-75 08-13-75	DLA, DEM	-	-	-	-	-
31.09.05.3	-	Last Chance Spring	-	6,750	-	06- -75	-	TeJ	183	06- -75	-	c ^e	-	-	-	Once supported cave dwellers and homesteaders.
31.09.06.2	-	Hidden Spring	-	6,750	-	06- -75	-	TeJ	1,800	06- -75	-	c ^e	-	-	-	Much alkali precipitation.
31.09.10.3	-	EPNG Schwert- feger #A	462	6,520	-	- -75	198-218, 398-415	TeJ, Tn	-	-	-	c ^e	-	-	-	Plugged and abandoned.
31.09.17.3	-	EPNG Riddle #1-D	550	6,490	-	- -75	212-252	TeJ, Tn	-	-	-	c ^e	-	6	-	Plugged and abandoned.
31.09.19	-	EPNG Barratt #1	517	6,560E	-	- -75	220-275	TeJ, Tn	-	-	-	c ^e	-	20	-	Plugged and abandoned.
31.09.20.2	-	EPNG Barratt #2	202	6,260	-	- -75	140-170	TeJ, Tn	-	-	-	c ^e	-	20	-	Plugged and abandoned.
31.09.20.3	-	EPNG Riddle #2-C	510	6,520	-	- -75	355-505	Tn	-	-	-	c ^e	-	50	-	-
31.09.27.3	-	EPNG Schwert- feger #1	120	6,080	-	- -75	75-100	TeJ	-	-	-	c ^e	-	40	-	-
31.09.27.4	-	EPNG Schwert- feger #2	118	6,080	-	- -75	84-118	TeJ	-	-	-	c ^e	-	20	-	-
31.09.28.1	-	Little Pump	100	6,180	51	02- -76	-	Qa1, TeJ	1,205	02- -76	-	c ^e	-	-	-	Unused.
31.09.31.42	365112 1074851	Cottonwood Spring	-	6,430	-	06- -75	-	TeJ	450	06- -75	-	c ^e	-	-	-	Occurs in Alamo Canyon.
31.10.04.2133	365550 1075307	Albert Karlen, dug well	-	5,760	14.0	09-24-74	-	Qa1	780	09-24-74	-	c ^e	-	-	-	-
31.10.05	-	Pan Amer Petro	27 Q	5,810	-	-	-	Qa1	-	04-30-59	-	c ^e ,a	-	-	-	Cased to 27 feet; TDS = 1,104 mg/L (4-59).
31.10.05.2423	365547 1075352	J. Hallor, dug well	-	5,834	-	09-24-74	-	Qa1	1,100	09-24-74	-	c ^e	-	-	-	-
31.10.06.4	-	J. Hallor	30	5,795	-	08- -75?	-	Qa1	1,196 820	08- -75 11-05-75	-	c ^e	-	-	-	Sulfur smell; iron stain.
31.10.08.1321	365457 1075440	O. V. Smith, dug well	-	5,790	4.9	09-24-74	-	Qa1	760	09-24-74	-	c ^e	-	-	-	-
31.10.10.2	-	EPNG Lucerne #1	455	6,120	-	- -75	76-96, 289-336	Tn	-	-	-	c ^e	-	25	-	-
31.10.14.2	-	Garrison Spring	-	6,280	-	- -75	-	Te(1)	450	06-19-75	-	c ^e	-	-	-	Once supported e homestead.
31.10.14.3	-	EPNG Kelly	555	6,250	-	- -75	527-555	Tn	-	-	-	c ^e	-	-	-	Plugged and abandoned.

Table 1. - Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Date	Principal water-bearing unit(s)	Specific conductance (umhos per 25°C)	Log available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
31.10.18.1142	365412 1075940	Cine Flaherty	28	5,780	15.5	09-25-74 to 4.4.74	09-25-74 to 09-06-75	Qa1	800 780	-	c ^o	-	-	-	Drilled into flowing spring.
31.10.18.2422	365404 1075453	Pat. Ryan	23	5,760	12.4	09-24-74	-	Qa1	-	-	-	-	-	-	Seals of gas; abandoned; unfit for human consumption.
31.10.24.3	-	Arch Rock Spring	-	6,500	-	06-17-75	06-17-75	TaJ	390	-	c ^o	-	-	-	-
31.10.25.3	-	Hart Spring #1	-	6,450	-	06-17-75	06-17-75	TaJ	295	-	c ^o	-	-	-	Developed.
31.10.26.4	-	Hart Spring #2	-	6,350E	-	06-17-75	06-17-75	TaJ	700	-	-	-	-	-	-
31.10.27.1	-	Silene Canyon	-	6,180	53	09-17-75	-	Ta	-	-	c ^o	-	-	-	-
31.10.31.1	-	Thurston Spring	-	5,950	-	06-17-75	06-17-75	Ta	2,900	-	c ^o	-	-	-	In Jones Arroyo.
31.11.24.3344	365237 1075645	L. L. Randallman	173	5,700	7.6	09-25-74 to 7.6	-	Ta	-	-	c ^o	-	-	-	Unfit for human consumption; reported eutrophic; unused.
31.11.24.4114	365259 1075623	Marvin Bishop, dug well	40	5,750	7.9	09-25-74 to 7.9	09-24-74 to 08-75	Qa1	780 650	-	c ^o	-	-	-	Water softener used.
31.11.26.1	-	F. Randallman	57	5,680	-	08-20-59	08-20-59	Qa1	777	-	c ^o	-	-	-	-
31.11.26.4	-	A. Hill	39	5,720	23	08-26-75 to 12.4	08-26-75	Qa1	950	-	c ^o	-	-	-	-
31.11.26.4234	365158 1075711	Larry Long	70	5,770	-	09-25-74	09-25-74	Qa1	1,120	-	c ^o	-	-	-	Slaughter house.
31.11.34.3	-	G. Foster	60	5,670	7	-75	-75	Qa1	828 610	-	c ^o	-	-	-	Dug 20 feet; drilled 40 feet; not potable since drilling.
31.11.34.3131	365110 1075909	Raymon Pettigohn	95	5,720	77.3	09-26-74	09-26-74	Ta	2,240	-	c ^o	-	-	-	Water softener used.
31.11.34.4434	365057 1075820	L. Likes	47	5,680	20	08-26-75	08-26-75 to 11-03-75	Qa1	1,380 1,320	-	-	-	-	-	-
31.11.35.3131	365110 1075805	Glen Saline	-	5,720	8	09-25-74	09-25-74	Ta	1,575	-	c ^o	-	-	-	-
31.12.01.1211	365800 1080300	-	-	6,284	51.3	10-22-74	-	Ta	-	-	-	-	-	-	Abandoned.
31.12.10.3442	365426 1080500	-	-	6,137	57.5	10-22-74	-	Ta	-	-	-	-	-	-	Abandoned.
31.12.20.2	-	Govt. 120, Ohio Oil	5,034	5,900E	-	07-08-57 to 4,805-5,034	07-08-57	Kpl	7,690	-	-	-	-	-	-
31.12.21.2331	365308 1080603	-	-	6,072	101.8	10-23-74	-	Ta	-	-	-	-	-	-	Unused.
31.12.25.2222	365238 1080228	-	-	5,940	79.4	10-22-74	-	Ta	-	-	-	-	-	-	Abandoned.
31.12.29.3214	365208 1080725	-	-	5,970	98.1	10-23-74	-	Ta	-	-	-	-	-	-	Abandoned.
31.12.31.342	365106 1080817	-	110 E	5,900E	94	10-03-74	-	Ta	-	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to Water (feet)	Producing Interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
31.13.03	-	A. T. Talley	-	-	-	-	-	-	02-05-58	-	-	-	-	-	H ₂ S odor; TDS-1110 mg/L. (2-58).
31.13.03.2344	365545 1081110	-	-	5,755	14.7	-	Qa1	-	-	-	-	-	-	-	Abandoned.
31.13.04.2414	365554 1081205	J. Harris	80	5,845	-	-	Tn	1,650 ea	10-16-74	-	-	-	-	-	-
31.13.10.2141	365508 1081114	Glen Hamblin	128	5,730	65.2	-	Tn	1,410	10-30-74	-	-	-	-	-	Water level is a pumping measurement.
31.13.10.4141	365443 1081112	Lee Fuller	60	5,724	25	-	Tn, Qa1(?)	1,780	10-30-74	-	-	-	-	-	-
31.13.15.1434	365403 1081137	Don Horn, dug well	-	5,746	8.1	-	Qa1	2,110	10-30-74	-	-	-	-	-	-
31.13.16.2443	365401 1081204	Spring	-	5,750	-	-	Tn	1,600	10-22-74	-	-	-	-	-	Swampy; could include return flow from irrigation.
31.13.18.3322	365346 1081456	-	-	5,670	69.9	-	Km	-	-	-	-	-	-	-	Abandoned.
31.13.22.1111	365334 1081158	Barrel Spring	-	5,615	-	-	Tn	3,100	11-05-75	-	-	-	-	-	Swampy; could include return flow from irrigation.
31.13.22.1223	365329 1081132	Charles Nichols	126	5,724	66	-	Tn, Qa1	2,040	10-30-74	-	-	-	-	-	-
31.13.22.3221	365306 1081132	Bill Miral	70	5,705	-	-	Tn, Qa1	-	-	-	-	-	-	-	Softened water.
31.13.28.4242	365206 1081200	Jim Worth	-	5,575	-	-	Tn, Qa1	2,200	10-31-74	-	-	-	-	-	-
31.13.28.4413	365157 1081215	Don Nichols	-	5,578	-	-	Tn	3,600	10-31-74	-	-	-	-	-	-
31.13.32.3141	365115 1081402	Knight Spring	-	5,622	-	-	Tn	2,400	11-05-75	-	-	-	-	-	-
31.13.33.1411	365134 1081245	-	-	5,550	26.2	-	Qa1	-	-	-	-	-	-	-	-
31.14.31.1223	365148 1082102	Ute	-	5,546	117.2	-	Ksf(?)	-	-	-	-	-	-	-	Abandoned.
31.14.36.1111	365151 1081607	Ute	-	5,646	157.0	-	Ksf(?)	2,500	11-21-74	-	-	-	-	-	-
31.15.23.44	365254 1082245	-	2,974	5,495	-	-	Jm	-	-	TOP	-	-	-	-	Converted to water; surface portion released to Uta Tribe.
31.16.33.34	365113 1084701	-	5,201	5,222	+231.0	4,625-4,887	Pdc	-	-	TOP	-	-	-	-	Source for injection; Q2-1.85 x 10.12.
31.16.34.31	365122 1084606	-	2,775	5,379	-	2,256-2,738	Jm	-	-	TOP	-	-	-	-	Source for injection; Q2-1.0 x 9.95.
32.09.15.3	-	Hog Spring	-	6,780	Dry	-	TnJ	-	-	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umho/cm at 25°C)	Data	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
32.09.29.3	-	Ice Spring	-	6,800	Dry	06-75	-	Tsj	-	-	-	c ^a	-	-	-	-
32.10.13.2	-	Cattail Spring	-	6,900	-	06-18-75	-	Tsj	820	06-18-75	-	c ^a	-	-	-	Occurs in arroyo.
32.10.15.1	-	B. Heizer, dug well	35	5,945	-	-75	-	Qal	920 550	-75 08-75	-	c ^a	-	-	-	Water softener used.
32.10.15.2131	365926 1075205	Bill Head	30	5,920	15.0	09-23-74	-	Qal	775	09-23-74	-	c ^a	-	-	-	-
32.10.16.4444	365846 1075241	Port of Entry, Cedar Hill	750	5,680	48.6 51	09-23-74 03-75	-	Tu	12,000 12,700 **	09-23-74 03-11-75	-	c ^a	-	-	-	-
32.10.17.4	-	High Hopes Spring	-	6,700	-	08-75	-	Tsj	350	08-25-75	-	c ^a	-	-	-	-
32.10.21.4244	365802 1075241	Jack Agee	104	5,920	23.8	09-24-74	45,60,97	Qal	1,120	09-06-75	-	c ^a	-	-	-	Water in 3 sands.
32.10.28.4222	365719 1075241	Henry Knowlton	35	5,925	15.8	09-24-74	-	Qal	1,000	09-24-74	-	c ^a	-	-	-	-
32.10.32.4	-	A. Flaherty, dug well	30	5,820	-	08-28-75	-	Qal	2,600	08-28-75	-	c ^a	-	-	-	Not potable.
32.10.33	-	N.H. Department of Game and Fish	-	-	-	02-20-59	-	-	-	-	-	M	-	-	-	TDS = 608 mg/L.
32.10.33.2	-	C. Lanier, dug well	55	5,870	40	-	-	Qal	943	09-06-75	-	c ^a	-	-	-	-
32.10.33.4131	365542 1075136	G. Spillar, dug well	64	5,920	36.3	09-24-74	-	Qal	1,025	09-24-74	-	c ^a	-	-	-	-
32.11.07.4114	365952 1080136	Coyote Spring	-	6,535	-	11-05-75	-	Tsj	320	11-05-75	-	-	-	<0.18	-	Developed by drilling horizontal holes.
32.11.14.3	-	Cave Spring	-	6,350	-	06-24-75	-	Tsj	1,650	06-24-75	-	c ^a	-	-	-	Good flow.
32.11.23.1	-	Cox Canyon	-	6,400	53	09-75	-	Qal	-	-	-	c ^a	-	-	-	Plugged and abandoned.
32.11.23.1244	365827 1075728	-	-	6,265	53.0	11-07-74	-	Tu(?)	-	-	-	-	-	-	-	Windmill; unused; same as 32.11.23.1(?)
32.11.23.3	-	EPNG Barnes #2	585	6,200	-	-75	10-136	Tsj	-	-	-	c ^a	-	-	-	Plugged and abandoned.
32.11.24.2	-	EPNG Barnes #1	105	6,200	-	-75	65-100	Tu	-	-	-	c ^a	-	1008	-	-
32.11.29.3	-	EPNG Horton #1	588	6,400	-	-75	285-340	Tu	-	-	-	c ^a	-	-	-	Plugged.
32.11.33.2	-	EPNG Neal #6	321	6,150	-	-	270-318	Tu	-	-	-	c ^a	-	-	-	-
32.12.23.12234	365838 1080357	Wesley Spring	-	6,220	-	-	-	Tu(?), Tsj(?)	5,000	11-05-75	-	-	-	-	-	Seep.
32.12.25.4221	365721 1080221	-	-	6,382	14.1	10-22-74	-	-	-	-	-	-	-	-	-	Windmill; abandoned.
32.13.15.2324	365921 1081112	Mt. Myer	55	5,976	-	-	-	Kgc	1,700 1,820 **	10-24-74 10-28-74	-	-	-	-	-	-
32.13.15.4124	365908 1081110	Mt. Myer, dug well	52	5,960	28.9	10-24-74	-	Qal(?)	1,420	10-24-74	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logn available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
32.13-20.341	365801 1081346	-	-	6,120	7	10-22-75	-	-	10-22-75	-	-	-	67	-	Flowing well; bad taste; unused.
32.13-22.2334	365823 1081117	Blake Hicks	97	5,903	44.9	10-24-74	-	1,160	10-24-74	-	-	-	16M	-	Bad water; black color.
32.13-27.1412	365738 1081133	A. T. Tallier, dug well	-	5,832	17.1	10-24-74	Qal(?)	1,890	10-24-74	-	-	-	-	-	-
32.13-27.3441	365708 1081132	F. P. Montoya, dug well	30 E	5,830	15.0	10-30-74	Qal	-	-	-	-	-	-	-	Unused.
32.13-27.3441a	365708 1081132	F. P. Montoya	-	5,830	-	-	-	1,690	10-30-74	-	-	-	-	-	-
32.13-34.3422	365620 1081126	G. D. Walters	125	5,817	60	-	Kpl	-	-	-	-	-	-	-	Unused; Q2-1.2ix3.9.
32.16-33.422	365637 1083119	Ute	284	5,650	177.2	10-04-60	Tn	1,980	10-30-74	-	-	-	-	-	Used for wash water.
32.17-35.11	365659 1083527	-	2,856	5,894	-	-	Jm	-	-	TOP	-	-	-	-	Source for water injection; 17-5.0 x 3.49; plugged back.
17-1.0X10.	365120 1083106	-	2,738	5,370	-	-	Jm	-	-	TOP	-	-	-	-	Source for H ₂ O inject.
17-1.8X10.2E	365109 1083158	Horsehoe Gallup Unit 1NW	5,000	5,222	+231	03-11-65	Permian(?)	83,300 ±	10-23-64	-	-	-	-	-	Packer at 4,604.
17-1.8X10.2E	365109 1083158	-	5,117	5,221	-	-	Jm, Md(?)	-	-	TOP	-	-	-	-	Source for H ₂ O inject.; maybe same as well above.
17-2.40X14.70	364714 1083237	12R-137	7	5,170	5	09-29-51	Qal	2,920 ±	09-29-54	-	Q.R	-	-	-	-
17-2.50X3.50	365658 1083244	12R-200, spring	-	5,500E	-	-	Qal(?)	-	-	-	-	-	-	-	-
17-2.50X6.80	365406 1083243	12R-259	3,600Q	5,740	-	-	Je, Ed	8,700 ± 15,000 ±	03-03-64 03-03-64	-	-	-	-	-	Two water samples collected 3-3-74; SPC = 15,000 and 8,700 umhos from Je(?) and Ed(?) respectively.
17-2.5X6.8E	365406 1083310	-	3,640	5,600E	-	-	Je and below	-	-	TOP	-	-	-	-	Source for H ₂ O inject.
17-3.2X9.4E	365151 1083329	-	2,740	5,440	-	-	Je(?)	-	-	TOP	-	-	-	-	Source for H ₂ O inject.
17-3.5X8.3E	365240 1083348	-	2,810	5,650E	-	-	Jm	-	-	TOP	-	-	-	-	Source for H ₂ O inject.
17-3.65X17.05	364512 1083358	12R-322	63	5,010	41	09-01-54	Qal	4,070 ±	08-31-54	DLR LTH	-	10	10	-	-
17-4X16.6E	364534 1083421	-	-	5,035	-	-	Km	5,300	05-23-68	-	-	-	-	-	Arroyo meep.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
17-5.0X16.5	364541 1083526	Pen Am	755	4,970	F	04-30-59	Kd	-	-	-	-	-	-	-	TDS = 7,250 mg/L (04-30-59).
17-5.4X16.7	364530 1083552	OT-2-Stanolind	4,395	4,950	-	-	Je	1,510	05-11-54	-	n	-	-	-	-
17-5.5X1.35	365850 1083559	12R-198, spring	-	5,690	-	08-18-54	Kpl	-	-	-	r	-	0.2	-	-
17-6.15X1.20	365858 1083642	12R-321	365	5,950	dry	08-18-54	Kpl	-	-	TOP, DLA LTH	r	-	-	-	-
17-6.3X9.3E	365156 1083651	OT-1	1,860	5,222	F	06-05-53	Jm	7,600 *	06-05-53	TOP	n	-	70	-	3-States Natural Gas Co. Navajo-1; plugged back from 8,029 ft.
17-6.4X10.25	365106 1083657	12R-204	1,000	5,210	F	06-30-55	Kd, Jm, Kg(?)	6,640 *	08-10-49	-	n, q, r	-	92	-	Not flowing (9-27-66)
17-6.5X7.8E	365314 1083704	-	8,516	5,262	-	-	-	-	-	TOP	-	-	-	-	-
17-6.52X10.32	365103 1083705	12R-584	1,330	5,190	34	05-24-67	Kd	-	-	TOP	-	-	10	4	Capped; bad water.
17-7.25X1.30	365853 1083754	12R-195, spring	-	5,880	-	01-18-54	Kpl	-	-	-	r	-	0.1	-	-
17-7.4X1.3	365853 1083803	12R-577	-	5,980	F	12-10-70	Kpl(?)	700 **	12-23-66	-	-	-	-	-	-
17-7.5X3.05	365722 1083809	12R-565	4,200	5,900	-	-	Je(?)	2,370 * 31,500 *	06-18-64 10-23-64	GR	-	-	-	-	Well apparently deepened from 3,550' to 4,200'
17-7.5X3.10	365719 1083809	12R-560	2,691	5,880	-	-	Jm(?)	-	-	TOP	-	-	-	-	-
17-8.2X11.0E	365027 1083854	2-O-Navajo	-	5,070	-	-	Kd	4,170	09-29-58	-	-	-	-	-	-
17-8.40X15.15	364651 1083907	12R-300C	-	4,920	10	09-29-54	Qal	1,980 *	08-29-49	-	q, r	-	-	-	-
17-9.99X14.60	364720 1084050	12R-300A	1,717	4,960	F	10-09-52	Kd, Jm	5,050 * 4,110 *	08-29-49 10-09-52	TOP, DLA	n, r	-	150	-	-
17-10.4X14.6E	364720 1084117	Hotat Shiprock Spring	-	4,895	-	10-14-60	Km	1,280 **	10-14-60	-	-	-	-	-	-
17-10.5X14.75	364712 1084127	12R-300	1,200	4,890	F	07-19-52	Kd, Jm	4,100 * 4,150 *	08-29-49 07-19-52	LTH	n, q, r	-	-	-	-
17-10.5X15E	364659 1084124	USIS #17	30	4,890	-	-	Qal	- *	11-01-33	-	-	-	-	-	15 ft dia.; TDS = 1,236 mg/L (11-33).
17-10.75X15.20	364649 1084140	12R-300B	-	4,890	6.2	09-01-49	Qal	-	-	-	r	-	-	-	-
17-10.85X15.45	364636 1084146	12R-520	1,777	4,945	F	03-09-61	Jm	4,050 **	03-09-61	TOP, DLA LTH	-	380 *	338	46	-
17-10.95X15.2E	364649 1084153	8cap	-	4,925	-	10-13-60	Km	13,600 **	10-13-60	-	-	-	-	-	-
17-11.35X13.95	364754 1084219	12R-300E	20	4,950	12.1	09-30-54	Qal	989 723 *	01-20-54 09-02-54	-	q, r	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
17-11.65X13.40	364822 1084239	12K-300D	14	4,950	6.2	-	Qal	1,100 *	09-01-49	-	Q.R	-	-	-	-
18-0.1X0.05	365958 1084507	12T-506A	50	5,100	dry	-	-	-	-	TOP	-	-	-	-	-
18-0.1X0.1	365955 1084507	12T-506	200	5,100	dry	-	-	-	-	TOP	-	-	-	-	-
18-0.5X6.8E	365406 1084533	-	1,285	5,075	-	-	Kd, Jm	-	-	TOP	-	-	-	-	Converted to H ₂ O.
18-0.55X0.1	365955 1084537	12T-506B	50	5,095	dry	-	-	-	-	TOP	-	-	-	-	-
18-0.8X1.0	365912 1084539	12T-352	2,100	5,180	-	-	-	-	-	TOP	-	-	-	-	Abandoned oil test.
18-0.85X1.05	365906 1084556	12T-505	1,296	5,190	1	1,158-1,168	Kd, Jm	2,070 *	10-20-59	TOP, DLR LTH	-	330	13	1	Well flowed, when completed.
18-1.50X10.05	365117 1084638	12K-319	28	4,810	11.2	18-28	Qal	1,580 * 1,400 *	04-06-53 09-21-54	LTH	Q.R	-	3.5	6	-
18-2.20X9.65	365138 1084724	12K-318	19	4,790	6.3	-	Qal	1,350 *	04-06-53	DLR, LTH	Q.R	-	9	-	Same lithologic log as 12K-319.
18-3.0X17.0	364515 1084816	12R-50A	2,013	5,380	F	1,740-1,994	Kd, Jm	3,060 * 3,150 * 3,180 **	12-14-48 06-27-52 09-21-66	TOP, DLR LTH	Q.R	-	15	-	-
18-3.10X16.50	364541 1084822	12T-548	-	5,370	F	-	Kd	5,600 **	09-21-66	-	-	-	-	-	-
18-3.2X6.2	365438 1084829	12T-538	1,288	4,975	F	-	Kd	2,720 *	12- -62	-	-	-	4	-	-
18-3.75X16.50	364541 1084904	12T-50B	-	5,280	F	-	Kd, Jm	-	-	-	F	-	3	-	-
18-4.90X15.75	364620 1085019	12R-48A	7	5,010	6	-	Qal	-	-	-	F	-	-	-	Abandoned.
18-4.95X5.55	365513 1085020	PAN-AM, NAV B-1	7,750	4,961	-	-	-	-	-	SP, MES	-	-	-	-	"Dry hole"; TDS = 4,768 (Jm); abandoned (9-57).
18-5.00X15.80	364617 1085026	12R-48	8	5,010	5	-	Qal	3,600 *	08-24-49	-	Q.R	-	-	-	Partial analysis.
18-5.5X14.0	364628 1085027	Exxon	2,035	5,100	+ 73.0	1,330-1,594	Jmw	1,700	07-20-78	TOP, DLR	-	-	57	-	Artesian.
18-6.35X13.10	364838 1085154	12T-524	1,845	5,110	F	1,454-1,845	Je	9,320 ee	09-17-69	-	-	-	9	-	-
18-6.7X6.8	365408 1085213	Superior Oil	6,725	4,867	-	-	-	-	-	TOP, SP, MES	-	-	-	-	Cased through Jm; abandoned 6/67.
18-6.7X10.5	365027 1085213	Exxon	2,000	5,120	+158.7	1,173-1,495	Jmw	620	07-19-78	TOP, DLR	-	-	.33F	-	Artesian.
18-6.85X7.10	365350 1085227	BIA, dug well	-	4,780	3.9	-	Qal	7,200	09-23-76	-	-	-	-	-	Mud pump.
18-7.75X4.45	365609 1085326	12T-539	1,676	5,190	F	-	Je	-	-	-	-	-	-	-	-
18-7.80X3.60	365653 1085329	12K-317	874	5,170	136.3	830-865	Jm	2,470 *	08-06-53	TOP, DLR LTH	M.R	583	22	2.2	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
18-8.25X15.9	364612 108537	12R-148	695	5,270	196	-	Jm	2,670 * 1,550 **	06-27-52 04-27-60	DLM	n.g.f.	-	3	-	-
18-10.4X12.8	364853 1085617	12P-355	300	5,000	0	-	Kd,Jm	3,520 **	04-27-60	-	-	-	35	-	-
18-10.70X12.60	364904 1085637	12T-346	-	4,070	7	-	-	590 **	06-15-72	-	-	-	-	-	-
18-10.75X12.90	364848 1085640	12R-153	7	4,920	4.5	-	Qal	-	-	-	-	-	-	-	-
18-10.80X4.70	365556 1085645	12T-561	6,612	4,870	7	-	Jm	-	-	TOP	-	-	-	-	-
18-11.05X8.15	365255 1085659	12R-3, spring	-	4,920	-	-	Km	848 *	09-18-54	-	q.f.	-	1.1M	-	-
18-11.10X9.70	365556 1085704	12T-556	-	5,070	7	-	-	-	-	-	-	-	25	-	-
18-11.85X10.15	365112 1085752	12R-6, spring	-	5,040	-	-	Kd	2,580 *	09-18-54	-	q.f.	-	0.1	-	-
18-12.00X9.90	365125 1085802	12R-4, spring	-	5,020	-	-	Kd	-	-	-	-	-	0.5	-	-
18-12.4X4.6	560000 1085828	MAV B-1	-	4,825	-	-	-	-	-	SP, LTD	-	-	-	-	-
18-12.8X6.85	365404 1085855	12T-517	330	5,080	175	175-310	Kd,Jm	1,300	03-08-61	TOP, DLM LTH	-	135	5	0.5	-
18-13.70X13.40	364822 1085952	1208-18-1, spring	-	5,360	-	-	Trw	638 *	06-30-55	-	q.f.	-	0.8	-	-
19-0.65X17.05	364512 1090043	12R-229, spring	-	5,435	-	-	Jm	-	-	-	-	-	0.1E	-	-
19-0.7X16.9	364520 1090046	12R-231A, spring	-	5,480	-	-	Qal	-	-	-	-	-	0.1E	-	-
19-0.80X12.65	364901 1090053	12R-329	960	5,480	7	-	Trw	2,040 *	06-30-55	TOP, DLM LTH	-	-	0.1	-	-
19-0.90X11.95	364938 1090059	12R-214, spring	-	5,580	-	-	Trw	-	-	-	-	-	2	-	-
19-1.0X11.05	365025 1090106	1208-19-3, spring	-	5,540	-	-	Jm	-	-	-	-	-	0.4	-	-
19-1.05X11.10	365022 1090109	12R-7A	14	5,560	5	-	Jm	490 *	08-11-49	-	q.f.	-	-	-	-
19-1.05X11.60	364956 1090109	12T-599	466	5,680	68.0	-	Je, Trw	990 ** 610 **	10-11-70 10-19-70	DLM	-	151 *	11.6	6	-
19-1.1X11.45	365004 1090112	12T-594	670	5,635	150	304-468	Je, Trw	-	-	DLM	-	400	35	9	-
19-1.15X11.30	365012 1090115	12R-7, spring	-	5,630	-	-	Jm	-	-	-	-	-	12	-	-
19-1.65X15.70	364623 1090148	12R-10	4	5,610	47	-	Qal	-	-	-	-	-	-	-	-
19-1.8X15.70	364623 1090158	12R-10A, spring	-	5,640	-	-	Qal	-	-	-	-	-	0.5	-	-
19-2.00X8.00	365248 1090211	12R-335	604M	5,546	370	160-180, 220-240, 308-604	Jm	600	12-04-59	DLM	-	190	7.8	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
19-2.20X4.45	365609 1090224	127-340	802M	5,160	39.8	01-18-60	652-802	Jab,Jm	550	01-18-60	TOP,DLL LTH	-	245 ± 23	0.75	-	-
31-1.17X6.20	365938 1081616	13R-111	12	5,838	5.3	11-07-74	-	Qel	810	11-07-74	-	r	-	-	-	-
31-1.95X16.05	363104 1081707	13R-210A	393	5,200	260	03-01-54	300-330, 355-360	Tkoe,Mk(?)	2,200 ±	03-01-54	LTH	q,r	-	-	-	Abandoned.
31-2.3X3.4	364203 1081730	13T-503	85	5,730	35	03-12-65	65-85	Qel,Mk(?)	-	-	DLL	-	-	-	-	-
31-2.3X13.3	363328 1081730	13T-517	1,458M	6,130	670.5	09-06-71	1,206-1,360	Kpc	27,400 ± 02-17-72 33,300 ± 04-12-72 29,830 05-12-72	-	TOP,DLL	-	-	-	-	-
31-2.47X4.70	364052 1081743	13T-519	730	5,740	384.6	11-06-74	323-340, 372-546	Km	21,200 ± 02-17-72 17,700 ± 05-15-72	-	DLL	-	-	-	-	-
31-2.49X16.71	363030 1081742	13T-516	1,460	6,208	900	09-07-71	1,385-1,460	Kpc	5,290 ± 08-18-71 5,650 ± 08-18-71 27,300 ± 02-17-72	-	TOP,DLL	-	-	-	-	Begin bailing: TDS = 3,130 mg/L; end of bailing: TDS = 3,280 mg/L; 6 months later: TDS = 16,300 mg/L.
31-2.55X9.35	363653 1081746	13R-109	300	5,770	201	05-07-75	-	Kl	6,230 ± 08-23-49 4,540 ± 02-17-72	-	-	q,r	-	-	-	Pumping water level; much variation in water samples.
31-2.6X6.65	363914 1081749	13R-110	3	5,700	-	10-01-54	-	Qel	-	-	-	r	-	-	-	Well collects water when wash is flowing.
31-3.10X2.35	364258 1081822	13T-213A, spring	-	5,200	-	05-11-55	-	Qel	-	-	-	r	-	-	-	-
31-4.10X5.45	364016 1081927	13R-115	6	5,510	5.8	10-01-54	-	Qel	1,390 ± 10-01-54	-	-	q,r	-	-	-	-
31-4.55X5.45	364016 1081956	13R-115A	-	5,550	dry	10-01-54	-	-	-	-	-	r	-	-	-	Abandoned.
31-4.65X13.75	363304 1082002	13R-210	105	6,000	dry	02-26-54	-	-	-	-	-	r	-	-	-	Abandoned.
31-4.80X13.90	363256 1082012	13R-214	915	6,000	dry	03-28-55	-	-	-	-	DLL	r	-	-	-	Abandoned.
31-5.20X1.85	364324 1082039	13T-211	65	5,170	26.7	05-11-55	37-47	Qel	2,020 ± 10-01-54 1,870 ± 05-11-55	-	DLL	q,r	-	8	-	-
31-5.30X2.55	364248 1082045	13T-510	75	5,220	45	10-17-65	-	Qel,Mkf	2,050 12-15-65	-	DLL	-	10	45	4	-
31-5.75X11.10	363522 1082114	13R-101	448	5,820	180	12-08-34	234-244, 403-417	Klf	-	-	DLL	r	-	4	-	-
31-6.99X6.31	363932 1082234	13T-520	926	5,665	-	-	765-850	Kpc	26,600 ± 12-21-71	-	TOP	-	-	-	-	Well was not developed when sampled.
31-7.12X9.25	363658 1082243	13T-518	1,006	5,755	396.8	09-07-71	850-910, 942-1,006	Kpc	28,100 ± 02-17-72 28,100 ± 05-22-72	-	TOP,DLL	-	-	-	-	-
31-7.6X2.4E	364256 1082314	Spring	-	5,310	-	11-19-74	-	Qel	3,600 11-19-74	-	-	-	-	0.25M	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
31-8X32	364224 1082340	Slm Moustache	-	5,270	-	-	-	3,600	11-19-74	-	-	-	-	-	Sealed; no access to measure (11-19-74).
31-8-20X9.35	363653 1082353	13T-205	804	5,650	475	704-804	Kpc	25,600 * 18,600 *	05-30-51 06-28-51	DLR	q,r	275	12	1.5	-
31-8-25X9.40	363651 1082356	13K-209	1,505	5,650	470	885-1,505	Kpc,Kch	28,900 * 28,600 *	08-04-53 05-05-54	DLA,LTN	q,r	532	4	4	Abandoned.
31-8-54X12.68	363400 1082415	13T-521	1,160	5,925	-	1,016-1,130	Kpc	18,500 19,200 20,900 **	02-10-72 02-17-72 04-03-72	TOP	-	-	-	-	-
31-8-65X15.15	363151 1082421	13R-104, spring	-	5,600	-	05-10-55	Kk	-	-	-	r	-	3	-	Finished as collection gallery.
31-8-70X14.7	363214 1082425	13R-103, spring	-	5,600	-	05-10-55	Kk	1,460 * 1,510 ** 1,250	02-10-55 03-02-72 11-06-75	-	q,r	-	2	-	-
31-8-90X1.00	364408 1082439	13T-500A	12	5,150	6	-	Qa1	-	-	-	-	-	-	-	-
31-9-0X7.7	363819 1082445	13R-51	60	5,550	40	11-21-34	Kk	-	-	DLR	r	-	7	-	Abandoned; may have been deepened.
31-9-15X7.55	363827 1082455	13R-116A	8	5,550	7	12-16-64	Qa1	1,440 *	12-16-64	-	q,r	-	2.2M	-	Dry, 1954.
31-9-55X0.85	364416 1082522	13GS-31-1, spring	-	5,120	-	06-03-55	Qa1	937 *	08-26-53	-	q,r	-	10	-	-
31-9-65X1.05	364406 1082528	13T-213, spring	-	5,120	-	05-11-55	Qc,Qa1	1,020 *	05-11-55	-	q,r	-	18	-	-
31-10-35X10.00	363620 1082612	13R-96	9	5,500	7.3	09-30-54	Qa1	3,500 *	09-30-54	-	q,r	-	-	-	-
31-13-4X17.2	-	13R-48	10	5,300	6.8	09-20-49	Qa1	2,780 *	09-21-49	-	-	-	-	-	-
32-0-30X0.20	364450 1083020	13T-212	27	5,020	6.7	05-11-55	Qa1	5,460 *	05-11-55	DLR	q,r	-	30	-	-
32-1-47X13.67	363308 1083136	U-30, spring	-	5,290	5	05-19-76	Kf	2,190	11-07-75	-	-	-	-	-	Seep developed by digging into wash; very little flow
32-1-50X0.80	364419 1083138	-	-	5,070	-	-	-	1,510	06-11-68	-	-	-	-	-	-
32-1-69X6.49	364107 1083148	Hogback Spring	-	5,100	-	02-09-77	Kch	5,660 * 5,000	07-11-68 02-09-77	-	-	-	2K	-	Not flowing (08-03-77).
32-1-72X6.20	363938 1083152	12T-612	150	5,080	7	08-03-77	Kch	6,500	08-03-77	-	-	-	-	-	-
32-1-74X16.04	363105 1083153	13R-28A	7	5,250	4.9 7.7	05-10-55 05-06-76	Qa1	3,420 *	05-10-55	-	q,r	-	-	-	-
32-2-08X6.66	363913 1083216	12R-21, spring	-	5,150	-	09-22-54	Kch	-	-	-	r	-	0.8	-	-
32-2-60X0.26	364447 1083250	12T-598	33	5,020	7	07-21-70	Qa1	-	-	DLR	-	0	48	4	-
32-2-64X4.92	364045 1083249	Magnolia Navajo #1	-	5,190	-	725,1,730	Kg(T) Kd(T)	10,000 4,000	01-17-58 01-17-58	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
32-2.8X2.8	364235 1083303	Spring	-	5,070	-	-	-	5,500	-	-	-	-	-	-	-
32-2.9X0.25	364448 1083309	12T-518	270	5,010	-	-	-	-	-	-	-	-	-	-	Casing pulled; abandoned.
32-3.22X15.79	363118 1083329	13R-28	13	5,200	11.4	05-10-55	Qal	2,790 ± 05-10-55 3,200 ± 05-06-76	-	-	4.5	-	-	-	-
32-3.25X2.48	364251 1083332	Stanolind #13	7,470	5,042	-	-	Penn	-	-	SP, RES	-	-	-	-	-
32-3.36X15.82	363116 1083338	-	-	5,195	11.5	06-21-77	Qal	2,700 ± 12-21-77 2,790 ± 03-13-78 2,950 ± 10-09-78 2,850 ± 03-10-79	-	-	-	-	-	-	Cottonwood arr. well.
32-3.38X3.61	364153 1083340	12R-75	988	5,140	7	06-30-55	Kd	4,280 ± 08-10-49	-	-	4.5	-	-	-	-
32-3.47X12.02	363434 1083346	13R-31	16	5,150	12.2	05-10-55	Qal	4,000 ± 05-10-55 3,800 ± 05-06-76	-	-	5	-	-	-	-
32-3.48X2.73	364237 1083346	-	-	5,114	-	10-11-67	Kg	-	-	TOP	-	-	-	-	Source for injection; drilled 5 feet into Kd.
32-3.60X2.60	364245 1083355	Amoco-Hogback	-	5,100	-	08-07-67	Kd	4,350	08-07-67	-	-	-	-	-	-
32-3.60X4.59	364100 1083355	12T-610	1,472	5,185	-	07-16-76	Kd(?)	380	07-16-76	-	-	-	-	-	-
32-3.64X13.55	363315 1083357	13R-29	11	5,200	7.5 7.5	05-10-55 05-06-76	Qal	3,400 ± 05-06-76	-	-	5	-	-	-	-
32-3.87X12.65	363401 1083411	12-5-1	8	5,155	dry	05-05-76	Qal	-	-	-	-	-	-	-	-
32-3.93X9.20	363701 1083416	12R-19, spring	-	5,220	-	09-22-54	Kch	-	-	-	5	-	-	-	-
32-3.97X10.65	363546 1083418	12R-20	11	5,150	11	09-22-54	Qal	-	-	-	5	-	-	-	-
32-4.04X16.53	363039 1083423	12R-133	16	5,220	dry dry	09-23-54 05-20-76	Qal	-	-	-	5	-	-	-	Abandoned.
32-4.07X11.45	363505 1083421	E-164	7	5,130	1.2 4	06-21-77 10-09-78	Qal	1,580 ± 12-21-77 1,750 ± 10-09-78 1,735 ± 04-23-79	-	-	-	-	-	-	-
32-4.10X12.9	363348 1083427	12T-566	10,623	5,190	7	- 64	Penn(?)	-	-	-	-	-	100	-	-
32-4.8X0.8	364419 1083513	Stanolind #1	7,215	5,140	-	-	Penn- Hermosa	-	-	TOP, SP RES	-	-	-	-	TDS: 91,900 mg/L, 7-18-54; DST: 6,870 feet.
32-4.8X6.2	364122 1083512	-	290	5,161	-	-	Km	-	-	-	-	-	-	-	Converted to H ₂ O.
32-5.05X1.80	364325 1083530	Chaco River	-	5,040	3.6 3.3	12-21-77 10-13-78	Qal	4,800 ± 12-21-77 3,500 ± 10-13-78 3,090 ± 03-17-79	-	-	-	-	-	-	River flowing when sampled, (12/77).
32-5.58X2.74	364238 1083603	12T-614, Alamosa Well	1,270 Q	5,200	65	03-01-74	Kd	-	-	TOP	-	400	20	4	Abandoned oil or gas well.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Dial-charge (gal/min)	Duration (hours)	Remarks
32-5.6X3.6	364153 1083604	-	1,108	5,242	-	-	-	Kd(?) Jm(?)	-	-	TOP	-	-	-	-	Converted to H ₂ O.
32-6.82X10.94	363531 1083723	12R-555	1,800	5,220	F	-	-	Jm(?)	-	-	DIA	-	-	-	-	Record shows "flow" and "dry".
32-7.10X15.45	363136 1083741	12R-91	675	5,385	F	06-26-52	542-675Q	Kch	2,940 *	06-26-52	DIA	4.5	-	0.8	-	-
32-7.4X9.8	363630 1083801	12T-547	1,680	5,382	200	06-08-62	1,473-1,680	Kd	1,370	04-04-63	TOP, DIA	-	0	12	3	Seebbed; reportedly flowed on 04-04-63.
32-7.55X2.47	364252 1083813	12T-530	2,300	5,060	+441.6	07-19-78	1,512-2,300	Jm, Jm	5,000	07-19-78	TOP, DIA	-	-	30F	3	Converted to water.
32-7.6X10.3	363604 1083814	12R-132A	-	5,360	F	09-08-54	-	Kg(?)	5,990 *	08-10-49	-	4.5	-	9	-	-
32-7.75X10.25	363606 1083823	12R-132	-	5,370	F	09-08-54	-	Kg(?)	5,280 5,100 *	08-10-49 03-27-52	-	4.5	-	-	-	-
32-8.20X10.45	363556 1083853	12R-76	-	5,380	F	09-08-54	-	Kg(?)	-	-	-	-	-	13	-	-
32-8.4X0.00	364500 1083907	Exxon	360	5,014	dry	-	-	Km(?)	-	-	-	-	-	-	-	Water well.
32-8.75X4.71	364055 1083929	Exxon	2,520	5,139	F	11-03-77	1,764-2,520	Kd, Jm	-	-	DIA	-	-	250E	-	-
32-8.78X10.70	363543 1083930	Exxon	2,285	5,360	F	10-19-77	1,850-2,285	Jm, Jm	-	-	TOP, DIA	-	-	120E	-	-
32-8.9X10.1E	363614 1083938	Navajo	1,680	5,382	-	05-29-62	1,473-1,634	Kd	-	-	TOP	-	-	-	-	Abandoned oil or gas well.
32-8.97X14.46	363227 1083942	12R-89	15	5,380	14.4	09-09-54	-	Qe1	-	-	-	-	-	-	-	-
32-9.08X14.84	363207 1083949	12R-58A, spring	-	5,450	-	09-09-54	-	Kch	-	-	-	-	-	0.1	-	-
32-9.28X15.21	363148 1084002	12R-88, spring	-	5,460	-	09-09-54	-	Kch	-	-	-	-	-	0.1	-	-
32-9.40X10.50	363553 1084011	12T-545	1,030	5,350	F	-	-	Kd(?) Jm(?)	-	-	-	-	-	-	-	Plugged.
32-9.6X6.1	363943 1084024	-	715	5,170	-	-	-	Kg	-	-	TOP	-	-	-	-	Converted to H ₂ O.
32-9.75X12.70	363359 1084033	Exxon	2,920	5,400	F	10-16-77	2,079-2,920	Jm	-	-	TOP, DIA	-	-	90E	-	-
32-10.45X4.71	364055 1084119	12T-549	1,900	5,235	500	09-30-65	1,800-1,900	Jm(?)	-	-	-	-	-	-	-	Well reportedly flowed when completed.
32-10.45X12.35	363417 1084118	12R-80, spring	-	5,340	-	09-09-54	-	Th1	1,450 *	08-12-49	-	-	-	3	-	-
32-10.50X12.14	363428 1084122	12T-564	778	5,560	F	05-26-64	-	Kg	4,310 *	05-26-64	-	-	-	-	-	-
32-10.55X5.1	364035 1084126	12T-552	600	5,232	F	07-29-63	-	Kg	880 **	09-22-66	-	-	-	4	-	-
32-10.58X4.72	364055 1084128	12T-551	-	5,238	-	-	-	-	-	-	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conduct- ance (umhos at 25°C)	Date	Logs available	Draw- down (feet)	Dis- charge (gal/ min)	Dur- ation (hours)	Remarks
32-11.17X4.79	364051 1084206	12K-309	1,640 Q	5,280	7	09-08-54	Kd, Jm(?)	2,440 *	08-10-49	DIA	n,q,r	-	-	-
32-11.19X11.17	363518 1084207	12R-79	11	5,460	4.7	09-08-54	Qa1	-	-	-	-	-	-	-
32-11.36X9.95	363822 1084218	12R-77	4	5,240	dry	09-08-54 05-20-76	Qa1	-	-	-	-	-	-	-
32-12.04X6.87	363903 1084302	12R-101, spring	-	5,240	-	09-08-54	Km	1,820 n	09-08-54	-	q,r	-	0.2	-
32-12.34X16.19	363057 1084320	Exxon	2,136	5,523	7	08-06-77	Kd, Jm	-	-	TOP, DIA	-	808	-	-
32-12.57X4.26	364118 1084337	12R-78, spring	-	5,265	-	09-08-54	Km	1,800	05-05-76	-	-	0.2	-	-
32-12.76X10.50	363553 1084349	Exxon	2,682	5,270	7	10-14-77	Jm	-	-	TOP, DIA	-	2008	-	-
32-12.94X14.92	363203 1084400	12R-85, spring	-	5,580	-	09-09-54	Km	2,240 *	09-05-54	-	q,r	-	0.1	-
32-13.0X4.30	364117 1084405	Continental	650	5,230	10.6	02-25-55	Kg	3,020 *	02-25-55	-	q,r	-	-	Shothole.
32-13.00X16.10	363102 1084403	12R-86A	-	5,500	7	10-07-58	Kg(?)	1,200	10-07-58	-	-	37	-	Old seismic hole.
32-13.05X14.85	363207 1084407	12GS-32-1 (OT-3)	27	5,580	7	01-07-54	Kg	1,870 *	01-07-54	-	n,q,r	1	-	-
32-13.15X14.90	363204 1084413	12T-574	-	5,460	7	-	-	2,000	07- -65	-	-	15	-	Apparent bridge at 20 feet.
32-13.19X16.47	363042 1084416	12R-86, spring	-	5,580	-	09-09-54	Kg	-	-	-	-	0.1	-	-
32-13.20X13.05	363340 1084417	12K-320	1,992	5,520	7	05- -54	Jmw	389 *	12-07-54 08-03-60	TOP, DIA LTH	n,q,r	80	-	Deepened in 1960 from 1,800 feet.
32-13.3X2.59	364246 1084425	Exxon	2,560	5,254	7	11-04-77	Jm	-	-	TOP, DIA	-	508	-	-
32-13.75X16.00	363107 1084432	12R-86B	107	5,640	0	-	Kg	350	02-16-58	-	-	-	-	-
32-14.0X9.4	363651 1084509	McWilliam Oil	652	5,280	7	03-31-55	Kg	3,480 *	12-28-53	-	n	20	-	Oil test.
33-0.1X15.5E	362012 1084507	-	1,004	5,623	-	12-13-65	Jm	-	-	TOP	-	-	-	Converted to H ₂ O; abandoned oil or gas well.
33-0.3X7.72	363818 1084520	12R-347	1,464	5,368	7	07-13-57	Kd,Kg(?)	-	-	TOP, DIA	-	-	-	-
33-0.8X13.35	363325 1084552	12T-586	-	5,440	-	-	-	-	-	-	-	-	-	Once flowed, has since gone dry.
33-0.81X2.04	364314 1084553	12R-95A, spring	-	5,220	-	09-24-54	Kg	-	-	-	-	<0.1	-	-
33-0.81X2.04	364314 1084553	12R-95	6	5,230	1.8	09-24-54	Kg	2,440 *	08-09-49	-	q,r	-	-	-
33-0.85X1.71	364332 1084556	-	981	5,236	-	03-16-73	Kd(?)	-	-	TOP	-	-	-	Converted to H ₂ O; abandoned oil or gas well.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
33-2.0X17.1	363006 1084719	Conoco #1	1,340	5,800	-	1,229-1,285	-	-	-	-	-	-	-	-	No data; "natural reservoir".
33-2.0X16.88	363201 1084712	12R-84	1,430	5,830	F	09-16-54	Jmw	422 *	08-12-49	TOP	Q, R, S, O	-	8	-	-
33-2.67X4.67	364037 1084754	12R-310	1,482	5,440	F	10-17-45	Kd, Jmw	2,160 *	08-09-49	TOP, DLR	Q, R	-	1	-	-
33-2.84X11.10	363522 1084805	12R-100	415	5,380	F	06-30-55	Kg	1,450 *	08-09-49	DLR	Q, R	-	11	-	H ₂ S odor.
33-2.90X0.10	364455 1084809	12R-50	-	5,370	F	09-24-54	Kg(?)	3,160 * 3,200 **	08-24-49 09-21-66	-	Q, R	-	1	-	-
33-3.25X2.90	364229 1084832	12R-96	354	5,320	30	11-20-54	Kg	-	-	DLR	R	70	10	-	-
33-3.27X9.10	363705 1084835	Exxon	2,108	6,045	F	10-01-77	Jmw, Jar	-	-	TOP, DLR	-	-	408	-	-
33-4.00X15.55	363130 1084920	12T-508	1,172	5,655	F	07-07-59	Kd, Jmw	671 *	07-17-59	TOP, DLR	-	-	40	-	-
33-4.28X6.28	363933 1084941	12T-573-Conoco	1,410	5,546	-	-	Jm	-	-	-	-	-	-	-	Abandoned oil test; not converted to water.
33-4.90X9.45	363648 1085019	12R-98	1,100	5,570	69.1 30	04-22-52 12--26	Kg, Jm	1,400 * 1,490	12-15-48 08-09-49	DLR	Q, R	-	3.4	-	-
33-5.60X15.05	363156 1085104	12R-131	12	5,720	6	09-16-54	Qe1	-	-	-	-	-	-	-	-
33-5.61X11.94	363438 1085104	12T-343	351M	5,550	37.0 24	04-25-58 04-24-58	Kg	1,600	05-05-58	TOP, DLR	-	3	40	5	-
33-6.0X15.20	363143 1085128	12R-131, dug well	13M	5,720	5.5M	09-16-54	Qe1	-	-	-	R	-	-	-	"Fair water".
33-7.10X14.75	363212 1085241	12R-61, spring	-	5,740	-	09-16-54	Kg	569 *	09-16-54	-	Q, R	-	0.9	-	"Dependable".
33-7.16X8.96	363713 1085245	New Red Rock FM 1	1,599	5,495	F	12-16-65	Jm	497 * 470 **	12-16-65 01-09-70	TOP, LTH	-	>477 *	40	27	-
33-7.40X16.45	363043 1085300	12T-582	902	5,835	10	06-24-67	Jm	3,200	11-19-65	-	-	100	10	4	Abandoned oil test; oil in water.
33-7.50X3.90	364137 1085308	12R-51	6	5,290	1.6	09-23-54	Qe1	-	-	-	R	-	20	-	-
33-7.51X4.50	363225 1085307	12T-544	55	5,850	F	04-26-63	Kd, Jmw	280 401 *	-56 04-26-63	-	-	-	67	-	Plugged at 55 ft.
33-7.76X14.37	363232 1085324	12T-354	675	5,810	F	-56	Jmw	280 363 *	11-29-62 04-21-63	-	-	-	6	-	-
33-8.04X6.78	363907 1085343	12R-55A, dug well	7	5,440	5.5	09-23-54	Kg	1,190 *	09-23-54	-	Q, R	-	-	-	-
33-8.05X11.18	363518 1085343	12R-59, spring	-	5,600	-	09-16-54	Kg	640 *	09-16-54	-	Q, R	-	3	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
33-8-75X3.22	364028 1085429	12R-53, spring	-	5,440	-	09-23-54	Kg	-	-	-	r	-	1	-	-
33-8-75X8.62	363731 1085429	12R-58, dug well	7	5,620	6.9	06-23-54	Qa1	-	-	-	r	-	-	-	-
33-9-49X11.80	363446 1085516	12R-62, spring	-	5,840	-	09-16-54	Kg	-	-	-	r	-	0.1	-	-
33-10-12X10.49	363554 1085537	12R-17	7.5M	5,720	4.9 4.1	09-17-54 08-12-49	Kg	497 *	08-12-49	-	q,r	-	-	-	-
33-10-45X15.01	363159 1085618	12R-143, spring	-	6,100	-	09-16-54	Kg	-	-	-	r	-	0.1	-	-
33-10-86X9.21	363701 1085645	12R-150	4.5M	5,220	3.3	09-23-54	Qa1	1,990 *	09-23-54	-	q,r	-	-	-	-
33-11-15X12.80	363353 1085704	12T-324	721	6,030	210	12-09-55 685-721	Kd,Jm	1,600 * 1,550 **	12-09-55 09-24-74	TOP,DIA LTH	q,r	426	16±	1.5	-
33-11-27X4.5	364106 1085708	12T-351	1,950	5,610	7	-	Ja(?) Tre(?)	-	-	-	-	-	-	-	Plugged back from 7,833 feet.
33-11-25X6.80	363906 1085711	12R-43, Sand Spring	-	5,510	-	09-28-54	Qa1	-	-	-	r	-	0.25	-	Yield = 5 gal/min (1925); collection gallery.
33-11-25X10.25	363606 1085711	12R-37, spring	-	5,690	-	09-17-54	Qa1	-	-	-	r	-	-	-	Abandoned; dry.
33-11-45X15.10	363154 1085723	12R-141, spring	-	6,260	-	09-16-54	Kg	-	-	-	r	-	0.1	-	Collection gallery.
33-12-75X7.65	363822 1085849	12R-42	4	5,620	1	09-28-54	Qa1	-	-	-	r	-	0.15	-	-
33-13-40X8.70	363727 1085930	12GS-33-1, spring	-	6,310	-	09-28-65	Jm	-	-	-	-	-	0.15	-	-
33-13-50X8.05	363801 1085937	12GS-33-2, spring	-	6,420	-	09-28-65	Jm	-	-	-	-	-	1	-	-
33-13-85X8.05	363801 1085937	12GS-33-3, spring	-	6,400	-	09-28-65	Jm	-	-	-	-	-	<1	-	-
34-0-15X9.60	363640 1090010	12R-41A, dug well	3.5M	5,880	2	09-23-54	Jmr	-	-	-	r	-	-	-	-
34-0-20X8.75	363725 1090013	12R-41, dug well	6.5M	5,770	2	09-23-54	Qa1	-	-	-	r	-	-	-	-
34-0-30X6.10	363943 1090020	12T-329	555 M	5,900	228.0	04-24-57 430-430 515-535	Jms	550	04-24-57	DIA	-	305	6	1.3	-
34-0-30X8.55	363735 1090020	12GS-34-7, spring	-	6,350	-	09-28-65	Jm, Qa1	-	-	-	-	-	2	-	-
34-0-60X2.55	364248 1090039	12R-152, spring	-	5,320	-	09-29-54	Jms	-	-	-	r	-	0.4M	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dur- ation (hours)	Remarks
34-1.00X13.00	363343 1090105	127-501	702 M	6,200	333.0	-	Jar, Jm	451 *	01-31-58	DLR	-	110	5	2	Mail test.
34-1.30X9.70	363635 1090125	127-323	551 M	5,940	176.0	312-320	Jm, Jub	630 * 430 **	09-12-55 09-24-74	DLR, LTH	Q, R	225	11	1.1	Mail test.
34-1.60X3.30	364208 1090145	128-227, spring	-	5,460	-	-	Qa1	-	-	-	R	-	-	15-20	-
34-1.90X4.15	364124 1090204	128-226, spring	-	5,430	-	-	Qa1	-	-	-	R	-	-	5K	-
34-2.35X10.50	363553 1090233	128-39, dug well	-	5,800	-	-	Qa1	802 *	08-26-49	-	Q, R	-	-	-	Filled with sand, 10-34.
34-2.35X14.15	363243 1090233	128-30, dug well	-	6,110	5.0	-	Qa1	-	-	-	R	-	-	-	-
34-2.50X15.85	363115 1090243	128-28, dug well	-	6,280	-	-	Qa1	-	-	-	R	-	-	-	-
48-1.75X16.75	361528 1081654	138-75, dug well	10	5,720	8.6	-	Qa1	2,350 *	09-20-49	-	Q, R	-	-	-	-
48-1.90X16.75	361528 1081703	138-74, dug well	29	5,720	14.1	-	Qa1	-	-	-	R	-	-	-	-
48-2.05X6.80	362417 1081713	137-509, spring	-	6,170	-	-	TGsa	1,630 *	12-16-65	-	-	-	-	0.6	-
48-2.25X2.55	362748 1081726	138-85, dug well	-	6,380	Dry	-	Qa1	-	-	-	R	-	-	-	-
48-2.35X4.35	362614 1081733	138-132	7.3M	6,300	6.3	-	TGsa	715 *	05-05-55	-	Q, R	-	-	-	-
48-2.35X11.35	362009 1081732	138-207	1,120	6,070	429	1,070-1,120	Kpc	4,530 *	09-16-52	DLR, LTH	Q, R	590	10.4	2.5	Abandoned.
48-2.40X11.30	362012 1081736	138-206 138-110	855	6,070	-	-	-	-	-	DLR, LTH	R	-	-	-	Abandoned; gas at 710-715 feet, 800- 840 feet; salt water water 600-670 feet.
48-2.45X5.80	362458 1081739	138-153, spring	-	6,270	-	-	TGsa	1,720 *	05-04-55	-	Q, R	-	-	0.4	-
48-2.47X10.96	362030 1081740	138-207A	-	6,070	-	-	-	-	-	-	-	-	-	-	This location may be 138-207; records are confusing.
48-2.65X17.10	361510 1081752	138-150, dug well	10	5,710	6	-	Qa1	2,320 *	12-08-54	-	Q, R	-	-	-	-
48-2.95X3.90	362637 1081812	138-84, spring	-	6,170	-	-	Qa1	2,650 *	05-05-55	-	Q, R	-	-	15	-
48-2.95X17.20	361504 1081811	138-71, dug well	9	5,690	5.7	-	Qa1	3,370 *	09-20-49	-	Q, R	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet) min	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
48-3.25X13.00	362724 1081831	13R-145, spring	-	6,250	-	05-05-55	750a	393 *	05-05-55	-	q, f	-	0.5	-	-
48-4.0X16.9	361920 1081919	EPNG Burnham	5,200	5,746	+702.0	08-27-73	Jaw	1,370 **	09-25-73	TOP	-	653 *	386	24	DST in Kw at 2,413 feet, flowed 6 gal/min, TDS = 5,204 mg/L; DST in Kd at 4,626 feet, flowed 32 gal/min, TDS = 5,108 mg/L; DST in Kg at 5,386 feet, flowed 75 gal/min, TDS = 2,759 mg/L.
48-4.29X13.19	361833 1081938	13R-208	800 M	5,820	280.0	08-31-54	Kch	3,970 *	09-04-53	LTH	q, f	160	15.4	2.5	Poor water in Kf; Kpc sealed off.
48-4.40X12.00	362816 1081946	13R-43, spring	-	6,020	-	05-05-55	Kz	3,670 *	05-05-55	-	q, f	-	2H	-	-
48-4.40X17.95	362306 1081945	13R-89, spring	-	5,880	-	12-09-54	Kz	-	-	-	f	-	0.3	-	-
48-4.85X18.20	362253 1082014	13R-90, dug well	9.1M	5,840	Dry	12-09-54	Qal	-	-	-	f	-	-	-	Abandoned; dry.
48-5.00X18.20	362253 1082024	13R-91	9.4M	5,780	7.0	12-09-54	Qal	-	-	-	f	-	-	-	-
48-7.5X17.2	361504 1082305	13R-3, dug well	7.3M	5,610	6.5	12-08-54	Qal	-	-	-	-	-	-	-	-
48-7.58X18.91	362216 1082311	13R-78, dug well	12 M	5,650	7.4	12-09-54	Qal	3,060 *	09-21-49	-	q, f	-	-	-	Used in winter.
48-7.65X17.00	361515 1082315	13R-201, spring	-	5,600	-	12-08-54	Epc	-	-	-	f	-	0.8H	-	Poor to bad quality.
48-7.8X14.1e	361744 1082323	EPNG R-1	-	5,795H	224	06-28-79	Epc	-	-	-	-	-	-	-	-
48-7.8X14.1b	361744 1082323	EPNG R-2	-	5,790H	110	06-28-79	Kch	-	-	-	-	-	-	-	-
48-8.5X11.0	362909 1082409	Shall Oil	5,388	5,666	-	-	-	-	-	DLE	-	-	-	-	Oil test; abandoned 11/56.
48-8.6X16Z	361607 1082416	Chaco Canyon National Monument	-	5,625	-	-	Kch(?)	4,920 4,550 *	08-31-53 08--53	-	-	-	-	-	SFC = 12,400 umhos for Kpc, 8-53.
48-8.87X17.12	361508 1082434	U-7A, dug well	10 M	5,546	6.0	05-10-76	Qal	-	-	-	-	-	-	-	-
48-8.98X17.15	361507 1082441	Hunter Weeh Well	-	5,550	4.7 4.6	12-20-77 10-10-78	Qal	10,000 ** 11,100 **	12-20-77 10-10-78	-	-	-	-	-	-
48-9.55X16.32	361550 1082518	13-28, dug well	10 M	5,550	5.9	05-10-76	Qal	-	-	-	-	-	-	-	-
48-9.85X16.50	361541 1082537	13-3, dug well	-	5,545	-	05-10-76	Qal	2,000 **	05-10-76	-	-	-	-	-	-
48-9.85X16.50	361541 1082537	13-3A, dug well	10 M	5,545	8.4M	05-10-76	Qal	-	-	-	-	-	-	-	-
48-9.95X12.70	361856 1082541	EPNG Well P	-	5,745H	311	06-28-79	Epc	-	-	-	-	-	-	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
48-10-15X9.35	362153 1082556	13R-80A, spring	-	5,570	-	-	-	-	-	-	-	-	0.18	-	Salt deposits.
48-10-64X9.17	362203 1082629	13R-80, spring, dug well	-	5,550	3.3M	-	Kz	-	-	-	-	-	0.2	-	5-76: seep still exists; installed dug well; poor quality; salt deposits; broken pump.
48-10-85X8.45	362238 1082639	EPNG 01	-	5,525E	94	332-417	Kpc	-	-	-	-	-	-	-	-
48-10-85X8.45	362238 1082639	EPNG 02	-	5,525E	48	586-893	Kch	-	-	-	-	-	-	-	-
48-11-08X11.26	362014 1082656	13T-514	1,368	5,760	263	450-498, 660-666, 1,040-1,042	Kch, Kmf	3,010 ** 10-24-68 2,240 ** 01-27-70	-	DLR, CR N, IND	-	85	35	3	-
48-11-27X4.36	362613 1082710	13R-39, dug well	9	5,530	7 6.4 12.2	-	Qal	3,830 * 09-21-49 3,800 05-06-76	-	-	4.5E	-	-	-	-
48-11-79X9.17	362203 1082763	U-7, dug well	11 M	5,500	Dry	-	Qal	-	-	-	-	-	-	-	May have water in wet years.
48-12-30X13.37	361822 1082816	U-11, dug well	9 M	5,480	3.5	-	Qal	1,450 ** 05-08-76	-	-	-	-	-	-	-
48-12-31X13.35	361825 1082816	U-10, dug well	10 M	5,480	4.6	-	Qal	-	-	-	-	-	-	-	-
48-12-33X13.34	361825 1082818	13-2-1, dug well	-	5,480	-	-	Qal	2,400 05-08-76	-	-	-	-	-	-	-
48-12-57X8.26	362617 1082833	13R-38, dug well	12 M	5,460	8.9 9.0 8.0	-	Qal	3,410 * 09-21-49 3,200 ** 05-06-76	-	-	4.5E	-	-	-	-
48-12-90X8.74	362225 1082855	13-2, dug well	-	5,445	-	-	Qal	3,100 ** 05-08-76	-	-	-	-	-	-	-
48-12-93X8.75	362225 1082857	U-6, dug well	-	5,440	7.3	-	Qal	-	-	-	-	-	-	-	Looks stagnant.
48-13X1.0	362908 1082903	Burnham T.P.	45 Q	5,360	25	-	Kz	19,500 * 11-06-58	-	-	-	-	-	-	Depth is questionable because pumping level is reported at 60 feet.
48-13-1X6.35	362430 1082909	13T-504	674	5,530	90	220-240, 450-490, 580-670	Kpc, Kch	6,930 * 06-13-63	DLR	-	-	93	5	1	Emil test, drill log reports depth is 695 feet.
48-13-37X3.96	362634 1082927	13R-37, dug well	8 M 10 M	5,435	6.2 6.3	-	Qal	-	-	-	-	-	-	-	Unused in 1954; well enlarged and equipped with windmill (5-76).
48-13-40X0.65	362927 1082929	13K-48	9	5,430	7	-	Qal	2,780	-	-	-	-	0.5	-	-
48-13-51X8.92	362216 1082935	13R-134, dug well	11 M	5,420	7.2 7.6	-	Qal	3,720 * 09-22-49	-	-	4.5E	-	-	-	-
48-13-70X8.99	362212 1082947	13R-134A, dug well	8	5,420	4.7 6.6	-	Qal	4,340 * 09-22-49	-	-	4.5E	-	-	-	Filled in, 1976.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks	
48-14.00X9.45	362148 1083006	137-301	225	5,440	33	-	95-210	Kpc	-	-	DLR	-	2.5	8	-	Mail test; well cleaned in 1960.
49-0.06X9.02	362210 1083004	138-136, dug well	23	5,420	11	12-10-54	-	Qal	5,860 *	09-22-49	Q, F	-	-	-	-	-
49-0.28X9.24	362159 1083019	13-2-0, dug well	-	5,415	-	05-08-76	-	Qal	-	-	-	-	-	-	-	Unable to measure.
49-0.3K15.3	361643 1083020	137-515	525	5,540	80	03-28-71	340-525	Kch	-	-	DLR	-	270	6	2	Mail test.
49-0.31X1.86	362824 1083021	138-149, dug well	9	5,360	5.7	- -49	-	Qal	3,030 * 800 *	09-21-49 05-06-76	Q, F	-	3	-	-	-
49-0.65X2.20	362806 1083043	138-46, dug well	8	5,350	7.0	- -49	-	Qal	-	-	-	-	-	-	-	-
					7.1	12-10-54	-									
					8.0	05-06-76	-									
49-1.05X9.39	362151 1083109	U-51, dug well	-	5,390	5.6	05-07-76	-	Qal	1,950	05-07-76	-	-	-	-	-	-
49-1.15X9.50	362146 1083109	Brimhall Wash Well	-	5,385	2.8	12-18-77	-	Qal	1,570 ** 2,200 ** 1,910 **	12-18-77 10-10-78 03-19-79	-	-	-	-	-	E-159.
49-1.90X9.50	362146 1083203	138-155, dug well	8 M	5,370	4.4	09-22-49	-	Qal	1,670 *	09-22-49	Q, F	-	-	-	-	Could not find (5-76).
49-2.25X9.60	362140 1083226	Gulf Oil	9,204	5,400	+634 F	- -55	-	Jm(f)	-	-	TOP	-	800F	-	-	Oil test.
49-2.3K9.0	362211 1083229	137-511, Gulf Oil	10,020	5,425	-	05- -55	-	Jm(f)	-	-	TOP, N25 CH, M	-	1,680F	-	-	Probably same well as above.
49-2.4K12.20	361925 1083236	137-523	150	5,400	42	04- -74	-	Kch	-	-	-	-	80	12	-	-
49-2.91X9.46	362148 1083309	U-8, dug well	-	5,345	-	-	-	Qal	2,700	05-08-76	-	-	-	-	-	-
49-3.30X16.21	361556 1083334	12F-3	7 M	5,440	4.5	09-21-54	-	Qal	1,070 *	09-21-54	Q, F	-	-	-	-	-
					6	05-07-76	-									
49-3.35X16.18	361556 1083338	-	69	5,920	5.4	10-10-78	-	Qal	840 ** 960 ** 860 **	12-20-77 10-10-78 03-19-79	-	-	-	-	-	Chaco near Burnham E-158.
49-3.36X10.82	362037 1083338	13-4, dug well	9 M	5,344	8.4	05-08-76	-	Qal	-	-	-	-	-	-	-	-
49-3.38X17.04	361513 1083339	12F-4, dug well	6 M	5,400	5.6	09-21-54	-	Qal	2,000 **	05-07-76	-	-	-	-	-	Rehabilitated.
49-3.57X15.66	361624 1083351	12F-2, dug well	9 M 7 M	5,405	6.5	09-21-54 05-22-76	-	Qal	-	-	-	-	-	-	-	-
49-3.7X1.08	362804 1083400	12F-10, dug well	5 M	5,340	4.4	09-21-54	-	Qal	-	-	-	-	-	-	-	Could not find (5-76).

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (micro- mhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
49-3.75X2.50	362750 1083404	137-513	530	5,240	-	03-14-67	Kch	1,660 **	04-21-67	DLR	-	-	-	-	-
49-3.79X8.95	362214 1083406	Chaco E-160	-	5,315	7.5	06-22-77	Qa1	1,350	06-22-77	-	-	-	-	-	-
49-3.79X9.50	362146 1083406	12K-11, dug well	12 8M	5,330	9 Dry	09-22-49 05-19-76	Qa1	-	-	-	-	-	-	-	Abandoned.
49-3.80X2.56	362747 1083407	12K-16, dug well	14 M	5,244	10.5 11.5	09-22-54 05-06-76	Qa1	-	-	-	-	-	-	-	-
49-3.82X0.52	362934 1083408	U-50, dug well	10 M	5,214	7.5	05-06-76	Qa1	-	-	-	-	-	-	-	Stagnant.
49-3.88X8.95	362213 1083412	-	-	5,310	3.7	12-18-77	Qa1	1,040 1,100 1,100	12-18-77 03-16-78 03-18-79	-	-	-	-	-	Chaco channel bank.
49-3.89X8.94	362212 1083413	-	-	5,310	5.1 5.4	12-18-77 10-10-78	Qa1	1,280 1,500	12-18-77 10-10-78	-	-	-	-	-	Chaco floodplain.
49-4.30X8.81	362222 1083439	12K-12, dug well	7	5,320	5.9 7.0	09-21-54 05-20-76	Qa1	-	-	-	-	-	-	-	-
49-4.48X6.0	362448 1083511	Gulf 011	131	5,120	-	02-01-52	Kpc	-	-	-	-	-	217	-	Shot hole.
49-4.49X6.76	362408 1083521	12K-13, dug well	12 M	5,289	8.3 7.0	09-22-54 05-06-76	Qa1	6,150 *	09-22-54	-	Q.F.	-	-	-	-
49-5.04X6.90	362401 1083527	12K-14, dug well	8 M	5,290	6.8	09-22-54	Qa1	4,000 **	05-20-76	-	-	-	-	-	-
49-5.15X7.70	362319 1083534	12K-523	-	5,300	-	-	-	8,600 **	04-13-67	-	-	-	-	-	Analysis only.
49-5.37X5.28	362525 1083548	12K-15	15 M	5,280	12.8 11.7	09-22-54 05-06-76	Qa1	-	-	-	-	-	-	-	Stagnant (5-76).
49-5.20X6.23	362529 1083644	U-49, dug well	-	5,280	-	-	Qa1	1,550	05-07-76	-	-	-	-	-	-
49-6.75X15.55	361630 1083717	12K-49	310	5,580	74	09-21-54	Kch	2,550 *	06-25-52	DLR	Q.F.	>100	10	-	-
49-6.85X1.08	362904 1083724	12K-336	541 M	5,419	F	11-27-57	Kch	4,090 *	11-27-57	DLR	-	>350	40	1	Ball test; reportedly flowed 1.5 gal/min in 1957.
49-7.4X13.0	361843 1083759	12K-522B	540	5,490	30	12-17-64	Kmf	7,000	12-17-64	DLR	-	100	12	4	Abandoned; poor quality; deepened from 456 feet; ball tested.
49-7.69X12.57	361906 1083818	12K-107A, dug well	10 M	5,440	9.3 Dry	09-22-54 05-13-76	Qa1	-	-	-	-	-	-	-	Abandoned.
49-7.75X5.80	362458 1083822	12K-242	362 R	5,500	60 87	01-02-35 05-30-52	Kch	4,200 *	09-22-54	DLR	Q.F.	-	-	-	-
49-8.2X3.1	361838 1083851	12K-107, dug well	6 M	5,460	Dry	09-22-54	Qa1	-	-	-	-	-	-	-	Could not find (5-76); abandoned.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
49-9.05X14.11	361745 1083946	127-511	4,274 M	5,550	F	10-26-59	904-970, 1,574-1,604, 1,778-1,800	Kmf	2,200	02-03-67	TOP, RES SP, MIC	-	-	30F	-	Abandoned oil test.
49-9.2X7.4	362335 1083956	127-601	500	5,550	96	11-23-70	130-294, 344-366	Kmf	5,310 se	12-04-70	DLR	-	57	20	6	Ball test.
49-9.56X3.44	362701 1084020	128-92, dug well	10 M	5,410	8.3 9.0	09-22-54 05-13-76	-	Qal	800 aa	05-13-76	-	F	-	2	-	-
49-10.53X14.95	361701 1084121	128-106, spring	-	5,525	-	09-22-54	-	Qal	1,670 *	08-15-49	-	Q, F	-	1.9M	-	Not much yield (5-76).
49-11.48X14.68	361716 1084222	128-312B, dug well	21	5,520	7.5	09-22-54	-	Qal	2,330 *	11-09-48	-	Q, F	-	-	-	-
49-11.49X14.68	361716 1084223	U-21, dug well	-	5,520	13.4	05-13-76	-	Qal	-	-	-	-	-	-	-	-
49-11.65X15.15	361651 1084234	128-312A	290	5,560	Dry	01- -52	-	Kmf	-	-	TOP	F	-	-	-	-
49-11.70X15.20	361649 1084237	128-312	1,000	5,580	F	07-16-53	846-1,000	Kmf	707 *	09-22-54	LTH	Q, F	>250	17.5	1.15	-
49-11.81X10.74	362041 1084244	128-105, spring	-	5,576	-	12- -26	-	Kmf, THd	1,450 * 1,400	11-10-48 05-13-76	-	Q, F	-	8	-	Associated with basalt intrusion; reportedly flowed 8 gal/min in 1948 and 3 gal/min in 1954.
49-12.09X9.72	362134 1084303	128-104, spring	-	5,575	-	11-09-48	-	Kmf	1,080 * 1,000	11-09-48 05-13-76	-	Q, F	-	1.5	-	Yield was 1.5 gal/min in 1948 and 3 gal/min in 1954.
49-12.45X4.35	362614 1084327	127-575	75-100	5,560	F	07- -65	15-TD	Kpl(?)	1,500 1,780 aa	07- -65 12-28-71	-	-	-	62F	-	Flowed at first; old seismic hole.
49-12.62X2.62	362744 1084338	128-94, spring	-	5,560	-	08- -24	-	Qal	3,030 * 3,100	09-07-54 05-20-76	-	Q, F	-	0.8	-	-
49-12.62X4.15	362624 1084338	-	-	5,580	F	07-18-78	-	-	1,700	07-18-78	-	-	-	6M7	-	-
49-12.75X14.85	361707 1084345	127-587	1,181	5,600	F	02-06-67	-	Kmf, Kpl(?)	-	-	DLR, SP, RES	-	>418	40E	8	Air jettied.
49-12.77X4.03	362631 1084348	128-93, dug well	6 M	5,580	0.6 Dry	08-11-49 03-13-76	-	Qal	1,300 *	08-11-49	-	Q, F	-	-	-	May be a developed spring.
49-12.85X3.35	362706 1084353	Exxon	2,034	5,595	+267.0F	-	-	Jm	775	07-18-78	TOP, DLR	-	-	30M7	-	Flow choked down.
49-13.07X7.10	362350 1084407	128-103, spring	-	5,620	-	09-07-54	-	THd	1,350 * 1,350	09-07-54 05-13-76	-	Q, F	-	0.8	-	-
49-13.20X0.30	362945 1084416	128-81, spring	-	5,580	-	09-09-54	-	Eg	1,220 *	09-09-54	-	Q, F	-	0.5	-	Could not find (5-76).
49-13.24X0.22	362959 1084419	128-82, dug well	4 8 M	5,580	Dry Dry	09-09-54 03-12-76	-	Qal	-	-	-	F	-	-	-	Abandoned.
49-13.75X2.20	362806 1084452	127-590	796	5,635	F	05-28-67	716-796	Ed	550 aa 560 aa	06-08-67 01-08-70	DLR	-	-	15E7	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conduct- ance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
50-0.65X9.05	362209 1084543	12R-72, spring	-	5,680	-	-	Qal	754 *	09-15-54	-	Q, R	-	5E	-	Seepage; quicksand; 20 gal/min for entire deep area.
50-1.7X6.7	362411 1084651	12R-71B, spring	-	5,710	-	-	Kg	456 e	09-15-54	-	R	-	5	-	Developed.
50-1.72X6.98	362357 1084652	12R-71, spring	-	5,710	-	-	Kg	471 *	11-10-48	-	R	-	3 E	-	-
50-1.72X7.0	362356 1084652	12R-71A, spring	-	5,710	-	-	Kg	-	-	-	R	-	5 E	-	-
50-1.77X14.96	361701 1084655	12R-15A, spring	-	5,750	-	-	Kp1	2,320 *	09-06-54	-	R	-	0.1	-	-
50-1.91X6.45	362424 1084704	12R-70, spring	-	5,700	-	-	Qal, Kg	-	-	-	R	-	4 E	-	-
50-1.95X0.85	362916 1084707	12R-83, Gypsy Oil	-	5,870	F	-	Jm(?)	390 *	09-04-49	DLR	O, R	-	17.6	-	-
50-2.1X0.2	362950 1084717	-	7,148 Q	5,810	-	-	-	-	-	-	-	-	-	-	Converted to H ₂ O; probably plugged back from 7,148 feet.
50-2.15X1.00	362908 1084720	12R-83A	-	5,850	-	-	-	-	-	-	R	-	-	-	Oil test.
50-2.25X11.85	361943 1084726	12T-351	200-300 E	5,750	F	-	Kg	225	10-21-58	-	-	-	15	-	Seismic hole; plugged; abandoned.
50-2.66X11.91	361940 1084753	12T-571	300 Q	5,750	F	-	Kg(?)	225	10-21-58	-	-	-	-	-	Seismic hole; plugged; same well as above (?).
50-2.98X15.68	361624 1084813	12R-155, spring	-	5,900	-	-	Qal, Qc(?)	-	-	-	R	-	5	-	-
50-3.00X15.60	361628 1084815	12R-111, spring	-	5,900	-	-	Qal, Qc(?)	-	-	-	R	-	2	-	-
50-3.05X15.70	361623 1084818	12R-112, spring	-	5,900	-	-	-	-	-	-	R	-	1 E	-	-
50-3.15X15.55	362655 1084825	12T-519	1,287	5,760	F	1,025-1,155 1,155-1,287	Kd, Jm	400	10- -60	TOP, DLR, LTH	-	-	9 F	-	-
50-3.25X11.42	362005 1084831	12T-600	192	5,930	10	75-155	Kg	-	-	DLR	-	136	20	-	Well test.
50-3.4X13.70	361807 1084840	Exxon	2,349	5,905	F	1,491-2,349	Jm	460	07-18-78	DLR	-	-	200 EF	-	Converted to water well; shut down to 6 gal/min (7-78).
50-3.41X9.78	362131 1084841	12R-115, spring	-	5,810	-	-	Qal	1,320 *	09-07-54	-	Q, R	-	4 E	-	-
50-3.48X13.5	361817 1084846	12T-576	150	5,890	F	-	Kg	380	07-15-65	-	-	-	6 EF	-	-
50-3.53X13.11	361838 1084849	12R-114	-	5,870	-	-	Kg	-	-	-	R	-	4	-	Dry in 1954.
50-3.63X13.72	361806 1084855	12R-124, spring	-	5,920	-	-	Kg	-	-	-	R	-	7 E	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978. - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dis- charge duration (hours)	Remarks
50-3.78X15.62	361627 1084905	Exxon	2,518	6,010	F	1,750-2,518	Jm	-	-	TOP,DIA	-	-	150 EF	-	Choked down to 20 gal/min (7-8); converted to water well.
50-4.55X14.76	361710 1084955	12R-122, spring	-	6,020	-	-	Qal	2,510 *	09-16-49	-	q,r	-	0.5 M	-	-
50-4.90X1.20	362858 1085018	12T-338	370	5,860	180	205-230	Kg	3,900 **	07-03-74	DIA	-	190	6	2	-
50-5.0KX.32	362616 1085025	12CS-50-4, spring	-	5,960	-	-	Qal	1,370 *	08-26-49	-	o,q,r	-	-	-	Seep.
50-5.64X4.04	362630 1085106	12R-69A, spring	-	5,870	-	-	Qal	-	-	-	r	-	5 E	-	-
50-5.70X6.45	362424 1085110	12R-69, spring	-	5,950	-	-	Qal	-	-	-	r	-	2 M	-	-
50-5.85X13.5	361817 1085119	12R-120, spring	-	6,070	-	-	Kg	-	-	-	r	-	<0.1 M	-	-
50-5.86X13.35	361825 1085119	12R-119, spring	-	6,080	-	-	Kg	570*	09-07-54	-	q,r	-	0.8	-	-
50-6.05X12.45	361912 1085132	12CS-50-2, dug well	8	6,000	6.0	-	Qal	-	-	-	r	-	-	-	-
50-6.05X17.10	361510 1085131	12CS-50-1, spring	-	6,300	-	-	Qal	731*	09-16-49	-	q,r	-	0.1	-	Developed spring.
50-6.28X1.33	362851 1085147	12R-39, spring	-	6,030	-	-	Kg	1,270*	12-07-54	-	q,r	-	0.5 E	-	-
50-6.4X13.50	361817 1085154	12T-609	1,031	6,291	F	-	Kd,Jm	430	07-16-76	LTH,GR, M	-	-	2 F	-	-
50-6.60X4.60	362601 1085208	12CS-50-5, spring (82)	-	5,950	-	-	Qal	1,100*	08-26-49	-	o,q,r	-	20 E	-	-
50-6.60X5.00	362540 1085208	12T-512	800	5,959	F	500-800	Jm	-	-	TOP,DIA, LTH	-	-	30 E	-	Plugged back from 1,486 feet; KD ceased off.
50-6.70X4.60	362601 1085214	12CS-50-6, spring (83)	-	5,950	-	-	Qal	1,920*	08-26-49	-	o,q,r	-	50 E	-	-
50-6.70X5.30	362524 1085214	12R-25, Sanostee	2,679	6,000	F	-	Jm	286*	11-10-48	DIA	o,q,r	122*	57	4	-
50-6.8X5.4	362519 1085221	Sanostee	1,240	6,000	-	-	Jm	632 *	06-28-51	-	r	-	-	-	-
50-6.95X5.35	362522 1085231	12T-311	1,475	5,990	+ 65.7	630-690, 900-930, 1,200-1,240	Jm	1,060 * 300 300 **	06-06-51 09-16-54 09-15-67	LTH	q,r	78	47	1	-
50-6.95X10.60	362048 1085230	12R-117, spring	-	6,200	-	-	Qal	940 *	09-17-52	-	q,r	-	2	-	-
50-7.0X5.1	362535 1085234	Sanostee PM3	1,100	6,000	F	-	Jm	300 ** 280 **	09-18-67 04-08-69	DIA,LTH	-	>355*	135	24	-
50-7.20X6.15	362440 1085247	12T-343	400	6,210	50 193	-	Kd,Jm	226 2,222	11-21-59 11-21-59	TOP	-	75	10	3	Well penetrates 10 feet of Jm; plugged back from 1,546 feet; higher conductance sample from Je.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
50-7.90X10.15	362112 1085332	12T-507	1,040	6,370	137.3	08-02-59	Jm	900	08- -59	DLR, LTR	-	320 *	30	1	Mail test.
50-8.35X6.25	362435 1085401	12R-67, spring	-	6,200	-	09-16-54	-	-	-	-	-	-	0.1 E	-	-
50-8.46X2.51	362750 1085409	12T-570	1,150	6,476	295	05-04-69	Jm	-	-	TOP	-	-	-	-	-
50-8.76X5.75	362501 1085428	Exxon	1,794	6,160	F	07-18-78	Jm	300 E	07-18-78	TOP, DLR	-	-	35 E	-	-
50-8.90X2.20	362806 1085437	12R-145A, spring	-	6,440	-	10-02-54	Qal	-	-	-	-	-	6 E	-	-
50-9.30X5.70	362504 1085503	12M-19, spring	-	6,200	-	09-16-54	Kg	-	-	-	-	-	<0.1 E	-	-
50-9.40X6.05	362445 1085509	12R-68, dug well	-	6,160	-	09-16-54	Qal	-	-	-	-	-	-	-	Abandoned.
50-11.30X4.95	362543 1085712	12T-516	575	6,330	103	08-18-60	Kd, Jm	1,050 800 **	08-26-60 07-03-74	TOP, DLR	-	200	6	3	Mail test.
50-11.55X11.60	361956 1085728	12M-7, spring	-	7,870	-	09-04-54	Qal	-	-	-	-	-	-	-	Reportedly flowed 2 gal/min in 1936; dry, 1954.
50-11.85X16.40	361546 1085746	12M-6, spring	-	9,130	-	09-04-54	Tc	-	-	-	-	-	1 M	-	-
50-13.05X11.50	362001 1085905	12M-16, spring	-	8,400	-	09-04-52	Tc	171 *	09-04-54	-	Q, F	-	0.5 M	-	-
50-13.30X16.35	361549 1085920	12GS-50-3, spring	-	8,430	-	09-11-52	TKl	246 *	09-11-52	-	Q, F	-	10 E	-	General seep.
51-0.65X15.10	361654 1090043	12M-15A, spring	-	8,260	-	09-04-54	Tc	-	-	-	-	-	50 E	-	-
51-0.80X12.30	361920 1090052	12M-8, spring	-	8,990	-	09-04-54	Tc	-	-	-	-	-	<0.1 E	-	-
51-1.00X3.00	362724 1090105	12R-66, spring	-	8,300	-	09-16-54	Tc	-	-	-	-	-	0.8 E	-	-
51-2.02X14.5	361725 1090210	12T-100, spring	-	7,380	-	09-04-54	Tc	-	-	-	-	-	50 E	-	-
66-0.25X11	360527 1081517	S. Union Gas #1 Navajo	3,490	5,991	-	09-15-52	Kg	-	-	TOP, COR, SP, RES	-	-	-	-	Plugged back from 9,346 feet; abandoned.
66-1.25X3.9	360953 1081618	15A-20, dug well	14 M	5,755	11.9	02-16-55	Qal	-	-	-	-	-	-	-	Could not find, 1976.
66-1.20X5.55	361011 1081623	U-16, dug well	9 M	5,755	6.1	05-11-76	Qal	-	-	-	-	-	-	-	-
66-1.36X5.69	361004 1081627	15R-19, dug well	11 M 13 M	5,750	9.3	02-16-55 05-11-76	Qal	1,350 * 1,500 **	09-14-49 05-22-76	-	Q, F	-	-	-	-
66-1.35X10.90	360532 1081628	12B-23	3,063	5,970	F	03-04-54	Exp, Kg	2,320 *	09-12-49	DLR	Q, F	-	-	-	Flow = 175 gal/min (1928); strong flow at 2,965 feet.
66-1.44X10.80	360535 1081632	Benson-Martin Greer #11	3,975	6,084	-	01-31-58	-	-	-	TOP	-	-	-	-	Plugged and abandoned.
66-1.52X6.18	360939 1081638	15T-528	750	5,775	5	09-24-69	Kd	-	-	DLR	-	300	3	0.5	Reportedly no water; bottled dry at 405 feet; deepened to 730 feet.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
66-1.71X5.68	361005 1081651	15-5-11, dug well	-	5,745	-	-	Qal	1,500 *	05-11-76	-	-	-	-	-	-
66-2.0X9.5(Q)	360646 1081709	White Rock Chapter House	-	5,980	F	-64	-	2,530 **	03-22-73	-	-	-	-	-	Artesian well.
66-2.23X5.00	361040 1081725	U-17, dug well	8 M	5,730	5.3	05-11-76	Qal	-	-	-	-	-	-	-	-
66-2.60X4.22	361121 1081748	15R-18, dug well	8 M	5,700	6.2	02-16-55	Qal	1,600	05-11-76	-	F	-	-	-	-
66-2.70X6.90	360901 1081755	15T-339	987	6,004	191	08-31-55	Kmf	2,620 * 2,570 **	08-31-55 01- -74	DLR, LTH	Q, F	194*	20	0.75	Mail test; show of oil at 440 feet.
66-2.85X3.91	361137 1081804	15-9-11, dug well	8 M	5,715	4.0	05-22-76	Qal	1,550 **	05-22-76	-	-	-	-	-	-
66-3.05X2.30	361305 1081820	EPNG White Rock Station	568	5,925	-	10-28-74	Kcb	1,940 **	10-28-74	-	-	-	-	-	-
66-3.10X6.60	360917 1081821	15R-311	940	5,850	50	-54(T)	Kmf	-	-	DLR	F	-	-	-	Oil test; abandoned; no water; plugged back from 980 feet.
66-3.3X3.7	361148 1081834	15A-21, dug well	8 M	5,715	6.3	02-16-55	Qal	1,490 *	02-16-55	-	Q, F	-	-	-	-
66-4.13X10.62	360347 1081927	15T-510	420	5,812	20	11-20-64	Kmf	3,650 **	02-02-67	DLR	-	200	6	5	-
66-4.15X3.31	361208 1081928	U-20, dug well	-	5,700	-	05-11-76	Qal	2,700 **	05-11-76	-	-	-	-	-	-
66-4.20X14.49	360226 1081931	15R-340	412 M	5,820	64.6	04-13-57	Kmf	1,900	04-13-57	DLR	-	96 *	19	1	Mail test.
66-5.12X4.02	361131 1082031	E-97, dug well	-	5,690	-	06-16-76	Qal	2,420 **	06-16-76	-	-	-	-	-	-
66-5.14X4.64	361059 1082032	15R-17, dug well	12 M 16	5,650	8.0 12.6	02-16-55 05-11-76	Qal	1,110 * 2,700	09-14-49 05-11-76	-	Q, F	-	-	-	Unused (5-76).
66-5.37X4.46	361108 1082100	U-19, dug well	-	5,664	-	05-11-76	Qal	-	-	-	-	-	-	-	Could not measure depth or water level.
66-6.35X12.20	360425 1082150	15A-18	550	5,750	F	11-20-20 02-10-55	Kmf	2,380 * 2,440 **	09-15-49 01-24-74	DLR	Q, F	-	3.77	-	Plowed 37 gal/min in 1920 and 1.2 gal/min in 1955.
66-6.56X3.72	361147 1082204	U-12, dug well	6 M	5,648	5.7	05-10-76	Qal	-	-	-	-	-	-	-	Stagnant.
66-6.68X3.80	361143 1082212	Chaco R Well-De-na-sin	-	5,645	3.6	10-11-78	Qal	1,495 ** 1,700 ** 1,160 **	12-20-77 10-11-78 04-19-79	-	-	-	-	-	-
66-6.75X3.83	361141 1082216	15R-16, dug well	11 M	5,620	10.0	02-16-55	Qal	-	-	-	F	-	-	-	Buried under sand (5-76).
66-7.3X4.9	361045 1082252	15A-22, dug well	13 M	5,630	9.0	02-16-55	Qal	1,040 *	02-16-55	-	Q, F	-	-	-	-
66-7.40X6.50	360922 1082258	15R-341	1,054	5,750	F	07-05-57	Kmf	2,750	07-05-57	DLR	-	-	37	-	-
66-7.84X7.12	360849 1082326	15T-509	827	5,940	93.0	09-30-63	Kmf	4,190 *	09-30-63	DLR	-	609	20	1	Mail test.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Data	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
66-7.9X4.8	361050 1082331	13K-15, dug well	16 M	5,590	12.4	-	Qa1	-	-	-	-	-	-	-	Could not find (1976).
66-8.3X2.3	361301 1082357	13K-215	358	5,710	95.1	-	Kch	2,500	10-15-57	-	-	-	-	-	-
66-9.50X17.15	360007 1082513	14W-79	320	5,850	140 160.9	260-290	Kmf	2,220 *	09-15-49 10-14-54	DLR	Q, F	30	17	-	Well may have flowed originally.
66-9.72X4.98	361041 1082528	14-9-2, dug well	-	5,610	-	-	Qa1	950 **	05-12-76	-	-	-	-	-	-
66-13.70X2.65	361242 1082945	13K-59	304	5,670	100	245-266	Kch	3,770 *	05-03-55	DLR	Q, F	50	17	-	-
67-1.20X15.40	360138 1083118	14A-30, spring	-	5,630	-	-	Kmf	-	-	-	-	-	-	-	Flooded out.
67-2.17X3.12	361218 1083221	12K-6, dug well	8 M	5,455	3.6	-	Qa1	-	-	-	-	-	-	-	Stagnant (5-76).
67-2.2X3.9	361137 1083222	13K-11, dug well	5 M	5,475	2.9	-	Qa1	2,460 *	05-03-55	-	Q, F	-	-	-	Could not find (5-76).
67-2.50X11.85	360443 1083241	14A-33	458	5,630	7	-	Kmf	1,170 *	07-15-49	-	Q, F	-	27	-	Pumped 300 gal/min in 1917.
67-2.72X4.44	361109 1083256	12K-9, dug well	12	5,476	3	-	Qa1	1,200 *	09-21-54	-	Q, F	-	-	-	-
67-2.97X0.53	361433 1083312	12K-5	8 M 9 E	5,425	5.8 7.2	-	Qa1	-	-	-	-	-	-	-	-
67-3X11.4E	360507 1083316	S. Union Gas	4,005	5,580	-	-	-	-	-	TOP	-	-	-	-	-
67-3.15X15.80	360117 1083324	14T-307	448	5,710	7	-	Kmf	858 *	03-31-53	DLR, LTH	Q, F	105	26	1	-
67-3.2X11E	360527 1083327	Pan Am Petro Co.	10,100	5,461	-	-	-	-	-	-	-	-	-	-	-
67-4.90X11.75	360448 1083517	14T-529	-	5,595	7	-	-	-	-	-	-	-	15	-	No data.
67-5.0X8.05	360811 1083523	14K-310	642	5,750	464	535-540, 625-650	Kmf	4,270 * 1,510 * 1,250 *	07-11-52 07-28-52 07-31-52	DLR, LTH	Q, F	-	-	-	-
67-5.0X11.35	360509 1083523	14K-316	300	5,590	7	-	Kmf	-	-	TOP	-	-	-	-	Old seismic hole.
67-5.75X12.25	360422 1083611	14T-319	485	5,620	76	380-390, 465-475	Kmf	712 *	01-26-56	DLR	-	134	50	0.25	Well test.
67-5.95X11.25	360514 1083624	14A-35, dug well	12 M	5,635	7	-	Qa1	900	05-22-76	-	-	-	0.1	-	-
67-6.36X4.26	361116 1083651	12T-580	1,826	5,626	7	1,210-1,513, 1,616-1,785	Kmf, Kpl	820 **	01-25-66	DLR	-	-	300	-	-
67-6.4X14.0	360251 1083653	14T-521	485	5,700	7	320-485	Kmf	716 *	03-21-63	DLR	-	-	67	-	-
67-7.55X6.65	360914 1083808	12W-27	301	5,780	124	210-215,	Kmf	4,750 *	12-10-48	DLR	Q, F	-	10	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Data	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
67-7.98X14.75	360212 1083835	14A-28, dug well	15 M	5,790	F	10-13-54 05-20-76	-	Kmf	864 * 800	10-13-54 05-20-76	-	q,r	-	<0.1	-	-
67-8.00X10.25	360606 1083836	14M-85	1,030	5,760	F	12-07-38 10-14-54	-	Kp1	707 *	07-14-49	DLR	q,r	-	12M	-	-
67-8.30X0.30	361445 1083857	12K-314	250	5,590	72	05-05-52 09-21-54	230-250	Kmf	5,370 *	06-26-52	LTH	q,r	150	26	0.8	-
67-8.95X2.35	361258 1083939	12T-581	1,214	5,620	F	02-03-66	780-1,214	Kmf	-	-	DLR	-	-	68	-	-
67-9.60X14.25	360235 1084010	14A-26, dug well	14	5,830	3	07- -31	-	Kmf	1,330 *	12-10-48	-	q,r	-	2	-	Unused (1976).
67-9.93X12.86	360351 1084041	14B-2, dug well	14 M	5,870	10.8 11.6	10-13-54 05-20-76	-	Qa1	-	-	-	r	-	-	-	-
67-10.05X13.10	360338 1084048	14A-51A	155	5,880	-	- -55	-	Kmf	-	-	-	r	-	-	-	-
67-10.10X12.95	360346 1084051	14T-500	378	5,900	18	06-11-58	322-359	Kmf	-	-	DLR	-	90	20	5	Abandoned.
67-10.15X12.90	360348 1084055	14A-46, dug well	14	5,880	6 5.5	11-08-48 05-27-55	-	Qa1	1,340 * 2,100	11-08-48 05-13-76	-	q,r	-	1.5	-	-
67-10.26X12.86	360351 1084102	14A-46A	130	5,885	13	05-27-55	-	Qa1, Kmf	544 * 700 ** 640 **	07-12-49 08-07-72 02-13-73	-	q,r	-	28	-	-
67-10.30X12.88	360349 1084104	14B-1, dug well	26	5,880	Dry	05-13-76	-	Kmf	-	-	-	r	-	-	-	Abandoned.
67-10.30X12.90	360348 1084104	14T-535	1,610	5,880	F	02-18-66	1,310-1,610	Kp1	800 **	12-23-66	GR, M RES	-	-	45	-	Deepened from 1,086 ft.
67-10.42X12.85	360351 1084112	14A-51	22	5,880	9.7 10.9	07-13-49 05-13-76	-	Qa1	1,180 *	01-13-50	-	q,r	10.4*	56	3	-
67-10.5X16.3	360051 1084117	14T-520	682	6,100	120	04-12-63	550-594, 616-660	Kmf	813 * 750 **	03-26-63 05-14-73	DLR	-	0	10	1	-
67-10.60X12.80	360353 1084124	14K-108, Macchietti PH 2	380	5,940	F	05-26-51	320-340	Kmf	664 *	03-31-53	DLR, LTH	q,r	>215	70	3	-
67-11.11X12.43	360413 1084157	U-22, dug well	-	5,940	-	-	-	Qa1	1,150 **	05-13-76	-	-	-	-	-	-
67-11.50X4.25	361119 1084223	12R-125	660	5,760	F	06-26-52 06-30-60	32-80, 185-180, 602-624	Kmf	1,700 *	12-10-48	DLR	q,r	-	90	-	Flowed 0.2 gal/min in 1952 and 1960.
67-11.6X7.4	360835 1084229	12R-126B	14	5,890	12.5	09-06-54	-	Qa1	2,430 *	09-06-54	-	q,r	-	-	-	Could not find (5-76).
67-11.65X7.60	360825 1084232	12R-128	240	5,890	10.0	07-12-55	206-240	Kmf	1,190 *	07-14-55	DLR	q,r	140	20	-	Well test.
67-11.66X7.43	360834 1084233	12R-126	8 M	5,890	4.4	09-06-54	-	Qa1	2,340 *	11-09-48	-	q,r	-	-	-	Abandoned.
67-11.67X7.47	360831 1084234	12R-126A	16 M	5,890	8.8	09-06-54	-	Qa1	2,270 *	11-09-48	-	q,r	-	-	-	Abandoned.
67-11.70X7.65	360822 1084235	12T-325	274 M	5,890	40.0	01-06-56	230-274	Kmf	2,830 * 1,060 *	12-07-55 03-08-56	LTH	q,r	40	7.5	1	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Date	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos at 25°C)	Data	Log available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dura- tion (hours)	Remarks
67-11.88X7.17	360847 1084247	127-588	1,300	5,900	92	03-02-67	919-1,181, 1,213-1,256	Kp1	550 **	03-02-67	DLR, SP MS	-	-	-	-	-
67-12.05X8.15	360756 1084258	12R-127, spring	-	5,950	-	06- -24	-	Qc	-	-	-	-	-	0.8	-	-
68-0.70X4.40	361111 1084546	127-557	1,448	5,800	7	05-08-64	1,110-1,448	Kp1	707 *	05-08-64	-	-	-	77	-	-
68-1.20X5.40	361019 1084618	12H-35, spring	-	6,010	-	09-06-54	-	Kmf	-	-	-	-	-	0.1	-	-
68-1.25X1.60	361337 1084621	12R-157B, dug well	5 M	5,840	3.5	09-06-54	-	Qa1	-	-	-	-	-	-	-	-
68-2.00X2.05	361314 1084710	12R-157A, dug well	5 M	5,890	3.8	09-06-54	-	Qa1	-	-	-	-	-	-	-	-
68-2.05X3.70	361148 1084713	12K-304, dug well	8 M	6,200	0.5	09-06-54	-	Qa1	-	-	-	-	-	-	-	-
68-2.05X16.55	360038 1084713	14GS-68-1, spring	-	7,800	-	-	-	Qc	-	-	-	-	-	25	-	No dates.
68-2.20X2.70	361240 1084723	127-339	1,188 M	5,900	7	05-25-58	425-445, 600-610, 750-775	Kp1	920 *	05-28-58	TOP, DLR	-	-	15	-	-
68-2.50X0.25	361448 1084742	12R-110, spring	-	5,900	-	09-06-54	-	Kp1	-	-	-	-	-	<0.1K	-	-
68-2.95X0.80	361419 1084811	127-525	99 M	5,920	7	01-09-67	-	Kp1	1,300 1,800 ** 1,475	09-14-62 08-26-66 01-09-67	-	-	-	<1	-	-
68-3.05X2.85	361232 1084817	127-589	415	6,080	7	05-03-67	-	Kp1	740 ** 760 **	06-08-67 04-10-72	DLR	-	>240	10	4	Mail test.
68-3.10X1.10	361403 1084821	12R-109	18	5,920	9.9 11	07-16-49 11-18-48	-	Qa1	1,640 *	11-18-48	-	Q, F	-	-	-	-
68-3.15X12.40	360414 1084824	14N-1, spring	-	7,780	-	10-15-54	-	Tc	250 *	09-15-52	-	Q, F	-	30K	-	Irrigation ditches.
68-3.35X14.10	360246 1084837	14N-2, spring	-	7,960	-	10-15-54	-	Tc	-	-	-	-	-	25M	-	-
68-3.5X11.6E	360456 1084846	26-121, Naachitai	-	7,720	-	-	-	-	690 **	11-02-71	-	-	-	-	-	-
68-4.1X14.9	360204 1084925	Spring	-	8,800	-	08-28-50	-	Tc	-	-	-	-	-	13K	-	-
68-4.35X1.80	361327 1084941	12R-156, Mike Spring 1	-	5,980	-	10-16-50	-	Kp1	1,780 *	10-16-50	-	Q, F	-	0.5K	-	-
68-4.35X1.80	361327 1084941	12R-156A, Mike Spring 2	-	5,980	-	10-16-54	-	Kp1	5,310 *	10-16-50	-	Q, F	-	0.5K	-	-
68-4.35X1.80	361327 1084941	12R-156B, Mike Spring 3	-	5,980	-	10-16-54	-	Kp1	1,370 *	10-16-50	-	Q, F	-	0.5K	-	-
68-5.20X6.35	360930 1085036	12H-20, spring	-	7,280	-	09-05-54	-	Qc	885 *	09-05-54	-	Q, F	-	0.5K	-	-
68-5.20X9.85	360627 1085036	12R-173, spring	-	8,010	-	09-05-54	-	Tc	-	-	-	-	-	0.5K	-	-
68-5.30X10.50	360553 1085042	12R-161, spring	-	8,400	-	08-28-50	-	Tc	328 *	09-04-52	-	-	-	1.4M	-	Flow 0.8 gal/min on 09-05-54.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Draw-down (feet)	Discharge (gal/min)	Duration (hours)	Remarks
68-5.35X6.45	360924 1085046	12R-158, spring	-	7,320	-	-	Qc	-	-	-	£	-	25	-	-
68-5.35X9.30	360656 1085046	12R-160, spring	-	8,000	-	-	Qc	-	-	-	£	-	6M	-	-
68-5.55X10.65	360546 1085058	12H-1, spring	-	8,600	-	-	Tc	-	-	-	£	-	0.52	-	-
68-5.65X8.65	360730 1085105	12CS-68-1, spring	-	7,940	-	-	Qc	-	-	-	£	-	0.22	-	-
68-5.65X10.70	360543 1085105	12R-162, spring	-	8,240	-	-	Tc	-	-	-	£	-	10-152	-	-
68-5.7X13.7	360307 1085108	Spring	-	8,850	-	-	Tc	-	-	-	-	-	-	-	Lake.
68-6.20X11.15	360519 1085140	14W-108, spring	-	7,700	-	-	Tb, TKi(t)	-	-	-	£	-	42	-	-
68-6.90X10.35	360601 1085225	12A-6, spring	-	8,700	-	-	Tb, TKi(t)	-	-	-	£	-	2-32	-	-
68-7.20X9.95	360622 1085245	12A-7, spring	-	8,800	-	-	Tb, TKi(t)	-	-	-	£	-	2-32	-	-
68-7.35X11.55	360459 1085254	18A-2, spring	-	8,360	-	-	Tc	-	-	-	£	-	12	-	-
68-7.85X9.70	360635 1085327	12A-11, spring	-	9,100	-	-	Tc	-	-	-	£	-	4-22	-	-
68-7.90X1.40	361347 1085331	12T-611, PHS Well	933	6,900	P	-	Tre, Pd(t)	-	-	DLR	-	-	-	-	-
68-8.3X0.52	361435 1085357	70-6, spring	-	7,500	-	-	Tc	-	-	-	-	-	20M	-	Same as 68-8.35X1.30? (12CS-68-6).
68-8.3X0.50	361435 1085357	70-4, spring	-	6,960	-	-	Tc	381 *	08-24-48	-	-	-	7M	-	Location questionable. Same as 68-8.55X0.95? (12CS-68-4).
68-8.35X1.30	361353 1085400	12CS-68-6, spring	-	6,900	-	-	Pdc	403 *	08-25-48	-	Q, £	-	13M	-	Yield 3 gal/min in 1954.
68-8.55X0.95	361411 1085413	12CS-68-4, spring	-	6,820	-	-	Pdc	251 *	08-24-48	-	Q, £	-	50M	-	Yield 56 gal/min on 08-24-48.
68-8.65X1.00	361408 1085419	12CS-68-5, spring	-	6,820	-	-	Pdc	-	-	-	£	-	15M	-	Yield 23 gal/min on 08-24-48.
68-8.85X0.05	361458 1085432	12CS-68-8, spring	-	6,200	-	-	Qc	481 *	08-25-48	-	Q, £	-	32	-	Yield 13 gal/min on 08-24-48.
68-9.70X8.30	360748 1085556	12K-306, spring	-	8,870	-	-	Tc	-	-	-	£	-	0.82	-	-
68-9.90X0.65	361427 1085540	12CS-68-7, spring	-	7,830	-	-	Qc	491 *	08-24-48	-	Q, £	-	0.1M	-	Yield 61 gal/min on 08-24-48.
68-10.0X3.3	361208 1085546	12H-4, spring	-	8,980	-	-	Tc	102 *	09-05-54	-	Q, £	-	0.22	-	-
68-10.50X15.20	360149 1085617	18A-14, spring	-	7,700	-	-	Tc	501 *	11-10-54	-	Q, £	-	82	-	-
68-10.55X13.00	360343 1085621	Crystal DS Spring	-	7,400	-	-	Ts	-	-	-	£	-	28M	-	-

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Concluded

Location	Latitude- Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to water (feet)	Producing interval (feet)	Principal water- bearing unit(s)	Specific conductance (umhos per centimeter at 25°C)	Date	Logs available	Reference	Draw- down (feet)	Dis- charge (gal/ min)	Dur- ation (hours)	Remarks
68-10.6X7.15	360848 1085625	12C5-68-2, spring	-	8,890	-	-	Tc	-	-	-	?	-	0.5K	-	Seep zone.
68-11.10X13.90	360256 1085656	18A-25, spring	-	7,650	-	-	Tc	-	-	-	?	-	1.5K	-	Crystal Creek.
68-11.20X11.65	361334 1085704	12C5-68-3, spring	-	9,100	-	-	Tc	-	-	-	?	-	0.2K	-	-
68-11.45X12.05	360433 1085719	18A-14, spring	-	7,780	-	-	Tc	-	-	-	?	-	1.0K	-	Seep zone.
68-11.65X17.10	360010 1085731	18A-28, spring	-	7,530	-	-	Tc	-	-	-	?	-	1.5K	-	-
68-11.75X13.00	360343 1085738	18A-14A, spring	-	7,610	-	-	Tc	-	-	-	?	-	3.0K	-	-
68-12X14	360251 1085754	18T-553, Crystal Tp	750	7,550K	30	-	Je(T)	626 *	06-03-64	-	-	-	-	-	-
68-12.60X10.90	360532 1085833	18A-15, spring	-	7,950	-	-	Tc	-	-	-	?	-	1K	-	-
68-12.80X14.65	360217 1085852	18A-26, spring	-	7,430	-	-	Je	-	-	-	?	-	1K	-	-
68-13X13E	360343 1085908	18C5-68-1	99	7,480K	23	-	Je(T)	-	-	-	-	-	-	-	Abandoned.
68-13.40X12.10	360430 1085925	18A-16-A, spring	-	7,480	-	-	Qal	-	-	-	?	-	3K	-	-
68-13.70X11.50	360501 1085944	18A-16, spring	-	7,540	-	-	Tc	-	-	-	?	-	1K	-	General seep.
69-0.25X15.25	360146 1090017	18A-36, spring	-	7,270	-	-	Qal	-	-	-	?	-	0.5K	-	General seep area.
69-0.35X15.20	360149 1090023	18A-37, spring	-	7,260	-	-	Qal	-	-	-	?	-	0.2K	-	General seep area.
69-1.70X2.55	361248 1090150	11T-29, spring	-	7,800	-	-	Tc	-	-	-	-	-	68	-	-
69-1.80X11.05	360525 1090156	18A-19, spring	-	7,350	-	-	Trw	1,010 *	11-16-54	-	Q, F	-	3K	-	General seep zone.
69-2.20X2.50	361250 1090223	11T-29A, spring	-	7,800	-	-	Tc	292 *	08-18-54	-	-	-	5	-	-
69-2.20X14.00	360251 1090222	18P-565	48	7,280K	-	20-48	Qal	-	-	DLR	-	-	100- 125	10	-
69-2.35X9.15	360704 1090232	18A-18, spring	-	7,600	-	-	Trw	-	-	-	?	-	<0.1M	-	-
86-1.32X1.53	355841 1081625	15A-12	900	6,006	2.0	-	Kaf, Kpl(T)	1,820 **	01-24-74	-	Q, F	-	2	-	Reported artesian well.
86-2.05X13.35	354825 1081712	15B-7	596	6,387	F	-	Kaf, Kpl	3,650 *	03-26-58	DLR	Q, F	-	67	-	Reportedly flowed 10 gal/min in 1911.
86-3.80X7.90	355309 1081905	15B-9	-	6,189	F	-	Kaf, Kpl	2,510 *	08-03-49	-	Q, F	-	47	-	Reportedly flowing at 7-10 gal/min when drilled, date not given.
86-3.95X17.20	354504 1081914	15T-529	1,292	6,743	84 119	1,099-1,292	Kg	1,230 **	09-16-76	DLR RAD, LTD	Q, F	280	55	2	-
86-4.60X4.50	355606 1081956	15R-546	1,640	6,060	F	-	Kcs, Kpl	-	-	DLR	-	-	1407	-	Deepened from 1,452 feet.

Table 2.--Records of water wells in San Juan County, 1978-83

EXPLANATION

LOCATION.--The location of a well is described by using the system of quartering by sections (example: 24.13.9.134). The system is explained in the text and shown in figure 2. Locations on first two pages supplied by San Juan County Commission

NAME.--The well owner's name.

SUBDIVISION.--The first two pages of the table include the name of the housing subdivision as recorded in the State Engineer Office files.

WELL NUMBER.--The State Engineer Office file number for wells in the declared San Juan Underground Water Basin.

USE.--The use of the water is indicated by the following abbreviations:

com - commercial, con - construction, dom - domestic, dr - drilling water, exp - exploration, ind- industrial, irr - irrigation, min - mining, mul - multiple, mun - municipal, obs - observation, pros - prospecting, pub - public, san - sanitary, stk - stock.

DEPTH.--The total depth of the well (in feet) below land surface.

PERFORATIONS.--The depth (in feet) below land surface of the casing perforations through which water enters the well from the water-bearing formation.

AQUIFER.--The principal water-bearing unit(s) from which the well obtains water. A blank indicates that no water-bearing unit was determined for the well. The abbreviations of the geologic formations that contain the aquifer(s) are as follows:

Quaternary:

Qal - Alluvium

Tertiary:

Tsj - San Jose Formation

Tn - Nacimiento Formation

Tertiary-Cretaceous:

TKoa - Ojo Alamo Sandstone

Cretaceous:

Kpc - Pictured Cliffs Sandstone

Kch - Cliff House Sandstone

Kmf - Menefee Formation

Jurassic:

Jmw - Westwater Canyon Member of the Morrison Formation

Je - Entrada Sandstone

Table 2.--Records of water wells in San Juan County, 1978-83

LOCATION	NAME	SUBDIVISION	WELL NUMBER	USE	DEPTH	PERFORATIONS	AQUIFER
29.09.02.1	Chaves, John D.	Las Vegas	SJ-1477	dom	24		
29.11.21.2	Herkenhoff, R. E.	Wade Grandview	SJ-0315	dom	52		
29.11.21.2	Marley, Ronald E.	Wade Grandview	SJ-0309	dom	42		
29.11.21.2	Barlow, Ronald E.	Wade Grandview	SJ-0392	dom	48		
29.12.26.3	Archuleta, Richard	Desert Hills	SJ-1179	dom	31		
29.12.26.3	Valdez, F. A.	Desert Hills	SJ-0450	dom	51		
29.12.19.4	Mace, Rick	Town & Country	SJ-0383	dom	78	28-78	
29.12.19.4	Wagner, C. R.	Town & Country	SJ-0380	dom	80		
29.12.27.3	Minick, Ray	Lee Acres	SJ-0317	dom	30		
29.12.27.3	Posey, Everet	Lee Acres	SJ-0115	dom	40		
29.12.27.3	Trujillo, Cirilio	Lee Acres	SJ-0265	dom	40		
29.12.27.4	Cummins, Nathan	Twin Rivers	SJ-0133	dom,stk	25		
29.12.29.1	Aguilar, Mike	Wild Horse	SJ-0842	dom	15		
29.12.29.1	Murray, Dale	Wild Horse	SJ-0558	dom	21		
29.12.29.1	Murray, Douglas	Wild Horse	SJ-0559	dom	15		
29.12.29.1	Murray, Glen D.	Wild Horse	SJ-0566	dom	18		
29.12.29.1	Taylor, Jack A.	Wild Horse	SJ-0466	dom	30		
29.12.29.1	Wright, James D.	Wild Horse	SJ-0490	dom	54		
29.13.09.1	Hastings, Manuel C.	Echo Valley	SJ-0253	dom	34	20-34	
29.13.09.1	Hughes, Hugh S.	Echo Valley	SJ-0319	dom	26		
29.13.09.1	Mobley, Ray	Echo Valley	SJ-0581	dom	38		
29.13.09.1	Starkey, Vern	Echo Valley	SJ-0267	dom	35		
29.13.09.1	Van Lancker, J. E.	Echo Valley	SJ-0243	dom	35		
29.13.09.1	Hess, Robert K.	Farmington ad	SJ-0386	dom	30		
29.13.09.4	Carisle, Kenneth L.	Tucker	SJ-0603	dom	68		
29.13.10.3	Riley, W. A.	Fairview	SJ-0454	dom	40		
29.13.11.2	McCall, Buren	Farmington ad	SJ-0237	dom,stk	43		
29.13.11.2	Easley, Albert F.	Elmo Smith	SJ-0165	dom,stk	38	33-39	
29.13.11.2	Rutland, Jewell	Elmo Smith	SJ-0252	dom	45	38-44	
29.13.15.3	Ward, Emmitt K.	Junction City	SJ-0235	dom	34	15-30	
29.13.16.1	Rodriguez, Louis	Grandview	SJ-0313	dom	53		
29.13.21.	Nichols, Larry	Farmington ad	SJ-0353	dom	30		
29.13.22.2	Williams, Alfred	Rimrock	SJ-0155	dom	50		
29.13.22.3	Gilbert, Ruth	Total Vista	SJ-0501	dom	34		
29.13.22.3	Gilbert, Ruth H.	Total Vista	SJ-0281	dom	36		
29.13.22.3	Gomez, J. G.	Total Vista	SJ-0602	dom	50		
29.13.22.3	Mangum, Ralph S.	Total Vista	SJ-0143	dom	26	19-25	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	SUBDIVISION	WELL NUMBER	USE	DEPTH	PERFORATIONS	AQUIFER
29.13.22.3	Weber, Willard G.	Totah Vista	SJ-0535	dom	35		
29.14.07.1	Isham, J. T.	Vista Grande	SJ-1343	dom	70		
29.14.17.1	Miller, Virginia	101 #2	SJ-0524	dom	40		
29.14.18.2	Benally, John Jim	Beavers	SJ-0359	dom	20		
29.15.12.3	Burnett, R.	Foutz	SJ-0251	dom	50	27-50	
30.08.17.	Howard, Charles	San Juan Drive	SJ-1452	dom	18		
30.11.08.1	Stewart, Eugene H.	Aztec address	SJ-0733	dom	49		
30.11.08.2	Lanier, James C.	Graceland	SJ-0289	dom	43		
30.11.08.3	Lawrence, Edward	Romine-Brown	SJ-0181	dom	45	42-45	
30.11.08.3	Montoya, B. R.	Riverview	SJ-1039	dom	50		
30.11.09.1	Benfield, Glen A.	Florance	SJ-0307	dom	45		
30.11.09.1	Payne, L. T.	Florance	SJ-0413	dom	43		
30.11.09.1	Slusser, William J.	Florance	SJ-0268	dom	43		
30.11.09.1	Payne, L. T.	Florance	SJ-0407	dom	43		
30.11.09.1	Russell, T. E.	Graceland Prk	SJ-0240	dom	58	53-59	
30.11.09.2	Phelps, Ernest W.	Aztec address	SJ-0236	dom	46	43-46	
30.11.09.2	Harris, Darrell J.	Aztec address	SJ-0334	dom,stk	40		
30.11.09.2	Weldon, Bill	Current	SJ-0488	dom	40		
30.11.09.4	Everitt, Raymond L.	Gillian Add.	SJ-0245	dom	37	31-37	
30.11.16.1	Rogers, Jarred W.	Animas Height	SJ-0440	dom	50		
30.12.11.4	Pike, Clifford J.	Clark Spencer	SJ-0744	dom	104	89-93	
30.12.22.4	Black, Dan E.	Flora Vista	SJ-0230	dom	39	36-39	
30.12.22.4	Brooks, Clifton H.	Flora Vista	SJ-0276	dom	35		
30.12.22.4	Cornell	Flora Vista	SJ-0154	dom	38	32-38	
30.12.22.4	Duewall, John	Flora Vista	SJ-0152	dom	32	27-33	
30.12.22.4	Shepard, S.	Flora Vista	SJ-0134	dom	38	33-39	
30.12.32.1	Gould, Harland M.	Hallmark	SJ-0138	dom	39		
30.12.32.1	Lewis, Don A.	Hallmark	SJ-0433	dom,stk	45		
30.12.32.1	Wiseman, Chalmer L.	Hallmark Mead	SJ-0141	dom	38		
30.12.32.1	Mauldin, Victor H.	Hallmark 2	SJ-0169	dom	48		
30.12.32.1	Vatcher, Russell F.	Hallmark 2	SJ-0238	dom,stk	41	35-41	
30.13.08.4	Dobson, T. L.	Mountain View	SJ-0393	dom,stk	42		
30.13.08.1	Phillips, Robert C.	Rancho Estate	SJ-0443	dom,stk	65	45-65	
31.10.18.1	Reichl, John M.	Fawn Valley	SJ-1379	dom	35		
31.10.18.1	Shuyock, B. A.	Fawn Valley	SJ-1384	dom	52		
31.11.34.2	Oliver, Gary D.	Wild Wood	SJ-1485	dom	22		
31.11.35.1	Stanley, Joe	Wild Wood	SJ-1486	dom	23		

Table 2.—Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
21.08.20.121	Alamito Coal Co.	SJ-0832-O-5	obs	348	259-339
21.08.28.134	Alamito Coal Co.	SJ-0832-O-1	obs	53	10-50
21.09.05.311	Alamito Coal Co.	SJ-0832-O-2	obs	53	10-50
21.09.12.121	Alamito Coal Co.	SJ-0832-O-4	obs	382	282-382
21.09.22.111	Alamito Coal Co.	SJ-0832-O-3	obs	53	10-40
21.10.21.344	USofA Chaco Canyon	SJ-0324	mun	3095	
21.10.29.211	USofA Chaco Canyon	SJ-0325	mun	15	
22.04.09.32	NMSHD	SJ-0809	san	322	264-325
22.05.34.322	J.W. Jones Construct	SJ-1201	san, con	160	120-140
22.06.11.21	Berry, Homer C.	SJ-0681(11)	stk	174	
22.08.01.231	Alamito Coal Co.	SJ-0949-S	min	2647	2048-2609
22.08.14.441	Alamito Coal Co.	SJ-0949-Expl	min	2245	1668-2166
22.08.23.132	Johnson, Robert V.	SJ-0948	dom, stk	350	220-290
22.09.12.43	USofA BLM	SJ-1706	stk	762	
22.09.29.34	USofA BLM	SJ-1707	stk	961	Kpc
22.11.22.33	USofA BLM	SJ-1708	stk	452	Kmf
23.03.15.223	El Paso Exploration	SJ-0403	com	1403	Kch
23.05.17.22	J.W. Jones Construct	SJ-1189	con	675	610-675
23.06.01.3143	Berry, Homer C.	SJ-0681(15)	stk	610	
23.06.09.4120	Berry, Homer C.	SJ-0681(08)	stk	140	
23.06.18.122	Berry, H. C.	SJ-1156	stk	1500	900-1500
23.06.22.1	Bretheren Navajo Mis	SJ-1506	dom	280	
23.06.29.2143	Berry, Homer C.	SJ-0681(09)	stk	195	
23.08.01.2	Rafael, Leonard	SJ-1334	dom	90	70-85
23.08.27.11	USofA BLM	SJ-1709	stk	317	Tn
23.09.01.214	El Paso Natural Gas	SJ-0001	ind	695	
23.09.25.31	USofA BLM	SJ-1710	stk	550	TKoa
23.09.31.311	Batchelor, Harry G.	SJ-0144	dom, stk, com	100	
23.11.29.21	Western Associates	SJ-1284	exp	400	320-400
23.12.13.21	Paragon Resources	SJ-1258	stk	290	
23.13.01.323	Public Service Co.	SJ-0792-O-7	obs	314	185-285
23.13.01.412	Public Service Co	SJ-0792	obs	38	8-28
23.13.09.13	USofA BLM	SJ-1243	pub	9803	Jmw/
23.13.10.12	USofA BLM	SJ-1711	stk	495	Kch
23.13.10.232	Public Service Co.	SJ-0792-O-8	obs	363	215-315
23.13.12.211	Public Service Co.	SJ-0792-O-3	obs	51	11-51

Table 2.---Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
23.13.12.333	Public Service Co	SJ-0792-O-2	obs	51	16-51
23.13.12.344	Public Service Co.	SJ-0792-O-6	obs	52	12-52
23.13.12.443	Public Service Co.	SJ-0792-O	obs	53	10-52
23.13.14.112	Paragon Resources	SJ-0189-Expl-1	exp	5900	Je
23.13.14.12	Paragon Resources	SJ-0189-O-1	obs	5900	Je
23.13.14.312	Public Service Co.	SJ-0792-O-5	obs	66	16-66
23.13.14.421	Public Service Co.	SJ-0792-O-4	obs	51	12-51
23.14.15.214	El Paso Natural Gas	SJ-0075	ind, dom	597	
23.15.02.34	Consolidation Coal	SJ-0850	obs	20	Qal
24.01.05.111	USofA Forest Service	SJ-1155	stk	330	
24.01.18.441	USofA Forest Service	SJ-1175	stk	303	
24.01.18.441	USofA Forest Service	SJ-1508	stk	303	
24.02.07.142	Nation, Lyle	SJ-1759	stk	355	300-345
24.02.07.211	Wimett, Nick	SJ-1191	dom	320	
24.02.27.111	Amoco Production Co.	SJ-1265	dom	1060	
24.02.28	El Paso Natural Gas	SJ-0073	dom	629	329-629
24.02.28.122	El Paso Natural Gas	SJ-0212	drill water	1300	
24.02.29.211	El Paso Natural Gas	SJ-0072	dom	476	273-475
24.02.30.1	McDonald, Paul B.	SJ-1421	dom, stk	380	300-360
24.03.10.3	El Paso Natural Gas	SJ-0204	drill water	100'	none
24.05.18	El Paso Natural Gas	SJ-0074	ind, dom	1004	945-995
24.05.18.421	Jicarilla Indian Res	SJ-0068	dom	789	614-789
24.05.18.421	Jicarilla Indian Res	SJ-0069	dom	795	528-796
24.05.18.444	El Paso Natural Gas	SJ-0211	Ind. & Dom	800	
24.06.07.3444	Berry, Homer C.	SJ-0681(16)	stk	160	
24.06.09.1113	Berry, Homer C.	SJ-0681(03)	stk	135	
24.06.11.1431	Berry, Homer C.	SJ-0681(13)	stk	60	
24.06.11.41	El Paso Natural Gas	SJ-0202	dr	100	none
24.06.18.3134	Berry, Homer C.	SJ-0681(04)	stk	155	
24.06.24.43	Berry, Homer C.	SJ-0681(14)	stk	127	
24.06.33.4422	Berry, Homer C.	SJ-0681(17)	stk	585	
24.07.01.3324	Berry, Homer C.	SJ-0681(02)	stk	180	
24.07.15.112	Berry, Homer C.	SJ-0681(37)	stk	190	
24.07.17.241	Berry, Homer C.	SJ-0681(38)	stk	200	
24.07.18.224	Berry, Homer C.	SJ-0681(39)	com, dom, stk	1825	
24.07.19.41	Berry, Homer C.	SJ-1131	stk	1700	1100-1400

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
24.07.19.413	Berry, Homer C.	SJ-1131-Enlgd	com ,stk	1700	TKoa
24.07.22.33	Berry, Homer C.	SJ-0681(05)	stk	508	
24.07.31.1	Largo, Mary Y.	SJ-1335	dom	185	
24.07.34.23	Berry, Homer C.	SJ-0681(07)	stk	210	
24.07.36.22	Berry, Homer C.	SJ-0681(06)	stk	190	
24.08.36.342	Chapman, O.L. or Val	SJ-0960-S-3	dom	30	
24.09.07.110	Dugan Production Co.	SJ-1255	exp	843	TKoa
24.09.27.24	USofA BLM	SJ-1712	stk	528	Tn
24.10.33.44	USofA BLM	SJ-1713	stk	373	TKoa
24.10.36.43	USofA BLM	SJ-1714	stk	442	Tn
24.13.32.221	Sunbelt Mining Co.	SJ-1794	obs	221	Kpc
24.15.14.14	Consolidation Coal	SJ-0848	obs	1201	Kch
24.15.14.14	Consolidation Coal	SJ-0849	obs	325	
24.16.34.11	Consolidation Coal	SJ-0847	obs	40	Qal
24.19.01.114	Navajo Nation	SJ-0499	stk	1894	
24.19.12.342	Exxon Corporation	SJ-0682	stk	1680	
24.19.12.431	Navajo Nation	SJ-0779	stk	1740	
24.19.24.414	Navajo Nation	SJ-0542	stk	2349	1344 open
24.19.36.233	Navajo Nation	SJ-0491	stk	2518	1491 open
25.02.02.444	Glaze, Samuel	SJ-1752	dom	210	1750 open
25.02.08.443	Ingram, Loyd A.	SJ-1473	dom, stk	240	160-190
25.02.11.123	Gold, Michael	SJ-1751	dom	372	190-230
25.02.12.13	Johnson, A. G.	SJ-1758	dom	235	232-252
25.02.14.3	Green, Michael & Pat	SJ-1754	dom	192	205-230
25.02.29.24	Casaus, Harry	SJ-0326	stk	205	145-185
25.02.31.	Post, Jack	SJ-0279	stk	210	160-190
25.03.08.313	Schalk, John E.	SJ-1305	stk	750	160-190
25.03.08.313	Schalk, Steve	SJ-1305	dr	750	530-620
25.03.36.22	Post, Myrtle	SJ-1453	stk	132	530-620
25.04.28.412	Conoco Inc.	SJ-1111	dr	1225	
25.06.03.41	El Paso Natural Gas	SJ-0201	dr	1346	TKoa
25.06.04.11	El Paso Natural Gas	SJ-0207	dr	100	none
25.06.21.4142	Berry, Homer C.	SJ-0681	stk	80	
25.06.31.14	Berry, Homer C.	SJ-0681(01)	stk	620	
25.06.33.4441	Berry, Homer C.	SJ-0681(12)	stk	435	
25.07.12.4	USofA BLM	SJ-1613	stk	1083	971-1083

Table 2.—Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
25.10.22.44	USofA BLM	SJ-1715	stk	637	Tn
25.11.04.2	Brown, Charley Y.	SJ-0221	dom, stk	198	158-198
25.12.01.32	USofA BLM	SJ-1716	stk	403	Tn
25.12.13.4234	Shell Oil Company	SJ-0079	com	2550	
25.15.28.21	Consolidation Coal	SJ-0846	obs	903	Kch
25.18.07.212	Navajo Nation	SJ-0477	stk	2125	1320 open
25.18.17.311	Navajo Nation	SJ-0782	stk	1691	1281 open
25.18.19.333	Navajo Nation	SJ-0494	stk	2108	1176 open
25.19.07.322	Navajo Nation	SJ-0478	stk	1794	1120 open
25.19.22.214	Exxon Corporation	SJ-0456	dom,stk,pros	1455	525 open
25.19.36.213	Navajo Nation	SJ-0727	stk	1632	1323 open
26.02.22.441	Seifert, Tom R.	SJ-0419	irr	160	
26.06.28.43	El Paso Natural Gas	SJ-0208	dr	100	none
26.07.13.41	El Paso Natural Gas	SJ-0203	dr	100	none
26.07.15.412	El Paso Natural Gas	SJ-0071	dom, ind	365	170-365
26.07.15.423	El Paso Natural Gas	SJ-0070	dom	335	169-335
26.09.11.223	Chavez, Silviano	SJ-1756	stk	75	
26.09.16.42	Sterling, Bruce	SJ-0412	stk	202	
26.09.26.242	El Paso Natural Gas	SJ-0214	Ind & Dom	946	
26.09.26.423	El Paso Natural Gas	SJ-0063	dom	479	307-479
26.10.13.42	El Paso Natural Gas	SJ-0193	dr	2287	
26.10.25.41	El Paso Natural Gas	SJ-0194	dr	2105	
26.11.16.43	Brown, Charlie Y.	SJ-1626	dom	255	195-255
26.12.03.14	Pete, Wilford	SJ-1058	dom, stk	254	234-254
26.18.02.112	Navajo Nation	SJ-0802	stk	1774	1323 open
26.18.03.322	Navajo Nation	SJ-0753	stk	1746	1323 open
26.18.04.322	Navajo Nation	SJ-0754	stk	1748	1281 open
26.18.05.432	Navajo Nation	SJ-0793	stk	1656	1302 open
26.18.10.211	Exxon Corporation	SJ-0437	dom,stk,pros	2063	1155 open
26.18.14.311	Navajo Nation	SJ-0781	stk	1728	1407 open
26.18.14.344	Navajo Nation	SJ-0783	stk	2211	1701 open
26.18.15.322	Navajo Nation	SJ-1266	stk	1573	1312 open
26.18.19.344	Navajo Nation	SJ-0780	stk	2047	1575 open
26.18.33.311	Navajo Nation	SJ-0778	stk	1912	1407 open
26.18.35.313	Navajo Nation	SJ-0465	dom,stk,pros	2034	1200 open
26.19.12.311	Navajo Nation	SJ-0743	stk	1912	1386 open

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
27.04.01	U. S. Government	SJ-0048	ind	115	50-75
27.04.18.244	El Paso Natural Gas	SJ-1049	com	15	
27.05.03.21	El Paso Natural Gas	SJ-0199	dr	1840	
27.05.04	Mangum, Mamie	SJ-0046	ind	506	
27.06.32.144	El Paso Natural Gas	SJ-0213	Ind. & Dom	1308	
27.06.32.333	El Paso Natural Gas	SJ-0061	dom	445	282-445
27.06.32.333	El Paso Natural Gas	SJ-0062	dom	452	282-452
27.10.08.223	El Paso Natural Gas	SJ-0032	ind, dom	235	165-195
27.10.08.223	U. S. Government	SJ-0033	ind	204	
27.10.08.223	U. S. Government	SJ-0034	ind	235	170-235
27.11.07.22	Beta Development Co.	SJ-1787	dr	650	TKoa
27.11.26.213	El Paso Natural Gas	SJ-0077	ind, dom	1102	
27.12.13.142	El Paso Natural Gas	SJ-0076	ind, dom	641	550-620
27.12.13.222	El Paso Natural Gas	SJ-0210	Ind. & Dom	717	
27.12.13.311	El Paso Natural Gas	SJ-0065	dom, ind	671	164-671
27.12.13.331	El Paso Natural Gas	SJ-0066	dom, ind	750	425-750
27.12.14.411	El Paso Natural Gas	SJ-0067	dom, ind	540	390-540
27.17.07.324	Navajo Nation	SJ-0510	stk	2920	2079 open
27.19.27.243	Navajo Nation	SJ-1012	stk	2103	1344 open
27.7.15.2	El Paso Natural Gas	SJ-0195	dr	1633	
28.05.28	Mangum, Mamie	SJ-0047	ind	465	140-245
28.05.28.3	Mangum, Mamie	SJ-0036	ind	303	260-285
28.06.23.33	El Paso Natural Gas	SJ-0200	dr	1551	
28.07.14.1	El Paso Natural Gas	SJ-0002	ind	375	139-196
28.08.17.3	El Paso Natural Gas	SJ-0209	dr	100	none
28.08.18.442	El Paso Natural Gas	SJ-0163-S	dr	1450	
28.08.18.442	El Paso Natural Gas	SJ-0900	dr	2213	
28.09.20.314	Sullivan, Bruce	SJ-0018	ind	135	
28.17.33.323	Navajo Nation	SJ-0520	stk	2285	1800 open
28.18.35.144	Navajo Nation	SJ-0511	stk	2682	
29.03.08.442	Humphries, W. R.	SJ-1575	stk, pros	306	
29.05.31	El Paso Natural Gas	SJ-0056	dom	142	50-65
29.05.31	El Paso Natural Gas	SJ-0057	dom	158	150-158
29.05.31.2	McKay, Larry R.	SJ-0422 (1)	dom	239	159-239
29.06.28.310	El Paso Natural Gas	SJ-0192	dr	1211	
29.06.35.222	Northwest Pipeline	SJ-0059	mun	365	133-341

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
29.06.35.222	Northwest Pipeline	SJ-0059-S	mun	335	96-330
29.07.05.23	Ramsey, Frank	SJ-0580	dom, stk	160	
29.07.06.144	Candelaria, Eulogia	SJ-0541	stk	360	240-360
29.07.06.24	Welch, M. A.	SJ-0807	san	290	250-290
29.07.09.324	Candelaria, Eulogia	SJ-1199	dom	265	185-265
29.07.13.3	Prehn, Carl Estate	SJ-0053	ind	536	150-440
29.07.23.1	Andrews, Gregory J.	SJ-1228	dom, stk	285	205-285
29.07.28.244	El Paso Natural Gas	SJ-1112	dr	2453	790-1500
29.08.01.214	U. S. Government	SJ-0028	ind	606	580-590
29.08.09.3	El Paso Natural Gas	SJ-0196	dr	1624	
29.08.18.1	El Paso Natural Gas	SJ-0004	ind	591	520-565
29.08.18.2	El Paso Natural Gas	SJ-0003	ind	525	
29.08.21.2	U. S. Government	SJ-0019		502	
29.08.21.3	El Paso Natural Gas	SJ-0005	ind	606	491-606
29.08.21.3	U. S. Government	SJ-0025		606	491-606
29.08.26.2	El Paso Natural Gas	SJ-0006	ind	560	448-560
29.09.02.114	Miller, Lawrence D.	SJ-1066	dom	25	
29.09.02.114	Roberts, Elinear	SJ-1067	dom	25	
29.09.02.114	Williams, G. R.	SJ-1183	dom, stk	24	
29.09.02.13	Richards, Maurice E.	SJ-1232	dom	25	
29.09.02.131	Drury, Dorothee A.	SJ-1460	dom	19	
29.09.02.131	Hostetler, R. L.	SJ-1203	dom	25	
29.09.02.131	Vallejos, Tony	SJ-1430	dom, stk	24	
29.09.02.131	Vestal, James W.	SJ-1210	dom, stk	26	
29.09.02.132	Brunacini, Jim	SJ-1597	dom, stk	25	
29.09.02.132	Hall, James C.	SJ-1392	dom, stk	25	
29.09.03.22	Garcia, Bob	SJ-1494	dom, stk	12	
29.09.04.242	Blanco WUA	SJ-0785-S	mun	20	
29.09.06.34	Montoya, Gilbert	SJ-0584	dom, stk	143	83-143
29.09.07.342	Blanco WUA	SJ-0785	mun	20	
29.09.08.11	Valencia, Richard	SJ-1176	dom	150	
29.09.08.13	Trujullo, Evangelina	SJ-0436	dom	150	110-150
29.09.09.121	Baird, Robert	SJ-0102	irr, dom	20	
29.09.18.24	Valencia, Ernest D.	SJ-0097	irr	16	
29.09.18.24	Valencia, Ernest D.	SJ-0098	irr	16	
29.09.18.24	Valencia, Ernest D.	SJ-0099	irr	16	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
29.09.18.24	Valencia, Ernest D.	SJ-0101	irr	16	
29.09.18.41	Valencia, Ernest D.	SJ-0100	irr	16	
29.09.18.42	Valencia, Ernest D.	SJ-0095	irr	16	
29.09.18.42	Valencia, Ernest D.	SJ-0096	irr	16	
29.09.18.442	Baca, Robert & Patr.	SJ-0094	irr, stk	15	
29.09.18.444	Baca, Robert & Patr.	SJ-0093	dom	155	
29.10.13.22	Robbins, Clyde R.	SJ-0680	dom, stk	40	
29.10.19.12	Weller, Ralph	SJ-0137	dom, stk	450	
29.10.19.33	Dix, Phil	SJ-0303	dom	20	
29.10.20.322	Page, Gary	SJ-1140	dom	25	
29.10.21.44	Jaramillo, Ralph A.	SJ-1474	dom	25	
29.10.24.2423	Chavez, Sabino	SJ-0092	dom	33	
29.10.26.4334	Vaughn, Hollis	SJ-1019	dom	50	
29.10.27.32	Brown, Jimmy L.	SJ-1056	dom	50	
29.10.28.43	Wright, David R.	SJ-0506	dom, stk	78	
29.10.28.443	McInnes, Loren E.	SJ-0662	dom	93	73-93
29.10.29.323	Moore, Jack M.	SJ-0497	dom, stk	85	73-83
29.10.30.24	Evans, T. L.	SJ-0473	dom, stk	58	
29.10.35.222	Stock, Robert E.	SJ-1051	dom	90	
29.10.36.14	McCarthy, Daniel F.	SJ-1050	stk	85	
29.11.07.4	Brannin, Stanton L.	SJ-0867	dom	77	
29.11.07.41	Brannin, Robert W.	SJ-1302	dom	250	220-250
29.11.13.4	Peterson, Charles	SJ-0987	dom	415	
29.11.14.14	Goebel, George	SJ-1426	dom, stk	155	115-155
29.11.14.223	El Paso Natural Gas	SJ-0007	ind	752	
29.11.14.3423	Heron, Celsa (Lobato	SJ-1774	dom	82	78-82
29.11.17.44	Rogers, Gerald	SJ-0487	dom	60	
29.11.19.223	Henry, Bruce N.	SJ-1641	dom	120	80-120
29.11.19.44	Francisco, Eddie	SJ-1250	dom	60	
29.11.20.332	Larby, Jack	SJ-0583	dom	150	110-15-
29.11.20.44	Perez, Toney J.	SJ-1355	irr	36	6-30
29.11.21.	Norman, William	SJ-0452	dom	42	
29.11.21.22	Rodriguez, Gerald T.	SJ-0701	dom	70	
29.11.21.24	Bingham, Larry	SJ-1090	dom	31	
29.11.21.24	Toliver, R. T.	SJ-1054	dom	43	
29.11.22.12	Hutton, Edward W. Jr	SJ-1557	dom	70	

Table 2.—Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
29.11.22.12	Jaramillo, Carlos W.	SJ-0704	dom	55	
29.11.22.12	Johnson, T. P.	SJ-0796	dom	50	
29.11.22.12	West, James R.	SJ-1703	dom	68	
29.11.22.13	Lafferton, Henry I.	SJ-1214	dom	49	
29.11.22.131	Wileman, Melvin W.	Sj-0320	dom	38	
29.11.22.133	Chacon, Gilbert A.	SJ-0484	dom	37	
29.11.22.134	Tomlinson, Clay	SJ-0151	dom	45	42-45
29.11.22.43	Wampler, Walter N.	SJ-0696	dom	34	
29.11.23.14	McCoy, Edward E.	SJ-0812	dom	44	
29.11.23.22	Boyles, C. M.	SJ-1610	dom	52	
29.11.23.23	Crabtree, T. V.	SJ-1573	dom	41	
29.11.25.14	Dunson, C. J.	SJ-0804	dom	37	
29.11.27.133	Brown, Edd H.	SJ-0700	dom	20	
29.11.28.22	McDonald, Eldeane	SJ-1606	dom	35	
29.11.29.2143	Hengst, Arthur W.	SJ-0292	dom	24	
29.11.29.222	Davis, W. R.	SJ-1554	dom	35	
29.11.29.43	Williams, Patricia	SJ-0822	dom	34	
29.11.30.2	Herrera, Ernie	SJ-1391	dom	40	
29.11.30.22	Bratcher, Brian L.	SJ-1264	dom	27	
29.11.30.22	DeHerrera, Willie	SJ-1260	dom	42	
29.11.30.22	Francisco, Rose A.	SJ-1328	dom	28	
29.11.30.41	Bump, Walter H.	SJ-0875	dom, stk	37	
29.11.31.343	Greenlee, Don	SJ-0579 (1)	dom, san	140	
29.11.32.22	Martin, Robert E.	SJ-0441	dom, stk	70	
29.11.32.4444	Thriftway Company	SJ-0103	min	263	TKoa
29.11.32.4444	Thriftway Company	SJ-0103-S	min	254	TKoa
29.12.04.21	Savage, Bob	SJ-1031	dom	275	
29.12.04.21	Thompson, Don R.	SJ-1504	dom	180	
29.12.06.122	Flores, Eli	SJ-0881	dom, stk	137	120-137
29.12.06.134	Billingsley, John	SJ-1385	dom, stk	31	
29.12.06.30	Pigford, Donald	SJ-0188	com	52	43-49
29.12.06.331	Allison, David L.	SJ-1662	dom, stk	25	
29.12.06.332	Ashcroft, N. L.	SJ-0254	dom	90	
29.12.07.1	Striplin, Arthur E.	SJ-1383	dom	125	105-125
29.12.07.11	Pierson, Miles G.	SJ-0121	dom, stk	160	110-160
29.12.08.312	World Instu of Relig	SJ-1566	dom	105	75-105

Table 2.—Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
29.12.14.11	Trantham, Teddy O.	SJ-0548	dom, stk	180	
29.12.15.143	Kennedy, George L.	SJ-1510	dom	155	135-155
29.12.19.344	Horvath, Robert T.	SJ-0567	dom	28	
29.12.19.414	Brainard, Lee	SJ-0657	dom	85	
29.12.19.431	James, Truett C.	SJ-1070	dom, stk	38	
29.12.19.44	Hanson, Gale	SJ-0953	dom	76	
29.12.20.333	Hammond, Bob	SJ-0338	dom, stk	28	
29.12.24.32	Murphy, John L.	SJ-1597	dom	40	
29.12.24.34	Thomason, James W.	SJ-0400	dom, stk	83	60-83
29.12.25.12	Sutherland	SJ-0938	dom	80	
29.12.25.14	Cross, Frankie J.	SJ-0706	dom	49	
29.12.25.14	Kirby, Richard L.	SJ-0652	dom	42	
29.12.25.14	Runyan, Roy A.	SJ-1322	dom	42	
29.12.25.143	Palmer, Andrew L.	SJ-0617	dom	47	
29.12.25.24	Sierra, Raymond M.	SJ-1466	dom, stk	27	
29.12.25.31	Bradley, Davis	SJ-0570	dom	36	
29.12.25.43	Jacob, Lawrence	SJ-0763	dom	60	20-60
29.12.26.21	Roquemore, Dean	SJ-0777	dom	47	
29.12.26.211	Dufur, Ralph L.	SJ-1109	dom	100	
29.12.26.24	Nunn, Ewing H.	SJ-1194	dom	38	
29.12.26.34	Durrett, James M.	SJ-0112	dom, stk	47	
29.12.26.42	Fielder, Charles E.	SJ-1802	dom	70	59-69
29.12.26.42	Osburn, Lewis R.	SJ-1326	dom	50	
29.12.26.422	Buck, Lee A.	SJ-1469	dom, stk	45	
29.12.26.422	Lozon, Lawrence J.	SJ-0399	dom	45	
29.12.27.13	Bustos, Daniel	SJ-1590	dom	63	
29.12.27.131	Reynolds, Ronald	SJ-0726	dom	50	
29.12.27.133	Chacon, Alfonso J.	SJ-0827	dom	55	
29.12.27.133	Kaiser, Charles	SJ-1008	dom	51	
29.12.27.134	Torres, Richard	SJ-0666	dom	35	
29.12.27.31	Bencomo, Joe	SJ-0572	dom	35	
29.12.27.31	Harmon, Douglas A.	SJ-1700	dom	87	
29.12.27.31	Palmer, Charlie W.	SJ-1728	dom	25	
29.12.27.311	Clark, Doris	SJ-1690	dom	25	
29.12.27.311	Orellano, Reynaldo W	SJ-0904	dom, stk	32	
29.12.27.313	Brewer, Gerald A.	SJ-0901	dom, stk	32	

Table 2.—Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
29.12.27.414	Mordhorst, Randy	SJ-1133	dom	24	
29.12.29.114	Bingham, Mildred	SJ-0799	dom	20	
29.12.29.114	Patton, C. Michael	SJ-0786	dom	21	
29.12.29.114	Stolworthy, Doriann	SJ-1431	dom	19	
29.12.29.124	Begay, Lorena & John	SJ-0711	dom	20	
29.12.29.132	Clapp, Ernest L.	SJ-0833	dom	16	
29.12.29.133	Phillips, Alvie	SJ-0966	com	18	
29.12.30.21	Cole, Mike D.	SJ-1517	dom	20	
29.12.30.22	Jones, Charles Dean	SJ-0872	irr	25	5-25
29.12.30.22	Mace, Rick	SJ-1442	dom, stk	35	
29.12.30.22	Mace, Rickey D.	SJ-1695	dom	13	
29.12.30.22	Short, Tom	SJ-1565	dom, stk	27	
29.12.33.2	Gilbreath, Norman L.	SJ-1677	dom	51	
29.12.34.11	Rogge, James	SJ-1775	dom	15	
29.12.34.113	Jeanette, Peter	SJ-1776	dom	15	
29.13.01.31	Bucholz, Lawrence L.	SJ-1363	dom	85	
29.13.01.31	Holgate, W. Leon	SJ-0168	dom	50	30-50
29.13.01.31	Jones, Jimmie G.	SJ-0344	dom	75	55-75
29.13.05.442	Pruitt, C. H.	SJ-1444	stk	55	
29.13.09.11	Bowman, Charles R.	SJ-1487	dom	26	
29.13.09.11	Hampton, Wayne	SJ-1333	dom	38	
29.13.09.11	Mobley, Ray	SJ-1038	dom	42	
29.13.09.113	Cave, Don R.	SJ-1556	dom	27	
29.13.09.14	Wilson, Paul C.	SJ-1779	dom	31	
29.13.09.141	Hazen, John	SJ-0512	dom	41	20-41
29.13.09.43	McNeil, Charles, F.	SJ-0957	dom	36	
29.13.09.431	Giordano, Eugene	SJ-0894	dom	30	
29.13.10.214	Phillips, George M.	SJ-0775	dom	36	
29.13.10.224	Hellekson, Clifford	SJ-1271	dom	60	
29.13.10.242	Barr, David V. Jr.	SJ-0852	dom	50	
29.13.10.242	Smith, Leslie H. Jr.	SJ-1317	dom	50	
29.13.10.32	Nygren, W. H.	SJ-1402	dom	25	
29.13.10.333	Cribbs, Bud H.	SJ-0720	dom	29	
29.13.10.44	Nelson, Pratt	SJ-0776	dom	25	
29.13.11.14	Uselman, Randy	SJ-0955	dom	59	
29.13.11.23	Kiser, T. R.	SJ-0758	dom	35	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
29.13.11.231	Hodges, Robert E.	SJ-0310	dom	45	
29.13.11.3	Deyapp, Lawrence	SJ-0301	dom, stk	43	
29.13.14.1	Tenski, Steve L.	SJ-0716	dom	30	
29.13.14.24	Rice, Ivan M.	SJ-1635	dom	35	
29.13.14.313	Valley Drive In Inc.	SJ-0176	dom, stk	35	28-34
29.13.15.3	El Paso Natural Gas	SJ-0030	ind	29	
29.13.15.3	El Paso Natural Gas	SJ-0031		75	
29.13.16.34	Drake, J. A.	SJ-0453	stk	44	
29.13.16.344	Bell, Llyod	SJ-1443	dom, stk	40	
29.13.18.322	Lower Valley MDWCA	SJ-0172	exp	30	
29.13.18.322	Lower Valley MDWCA	SJ-0172-X	exp	30'	
29.13.21.21	Garcia, James	SJ-0167	dom	31	19-25
29.13.21.22	Graham, Feliberto	SJ-1689	dom	39	
29.13.21.422	Vigil, Horacio	SJ-0737	dom, stk	20	
29.13.22.134	Maestas, Florencio E	SJ-0891	dom	33	
29.13.22.14	Esparza, Betty R.	SJ-1765	dom	39	
29.13.22.21	Graham, Arnold M.	SJ-0784	dom	43	
29.13.22.22	Burke, Dennis R.	SJ-1673	dom	46	
29.13.22.311	Sanchez, Benny	SJ-0719	dom, stk	23	
29.13.22.312	Denny, Lee L.	SJ-0757	dom	32	
29.13.22.313	D'A Gastino, Peter	SJ-0725	dom	26	
29.13.22.313	Freeman, David R.	SJ-0724	dom	28	
29.13.22.314	Head, Harry	SJ-1151	dom	32	
29.13.22.314	Norton, Emmett	SJ-1525	dom	35	
29.13.22.34	Kimbell, Lloyd	SJ-0972	dom, stk	35	
29.13.23.1	Kannard, Tom	SJ-1562	dom	38	
29.13.23.22	Barkley, Mary A.	SJ-0352	dom	62	
29.13.23.22	Pratt, Tim	SJ-1376	dom	15	
29.13.24.111	Neidish, Raymond W.	SJ-1087	irr	52	
29.13.25.233	Bolack, Tommy	SJ-1665	dom	98	
29.13.29.4	Four States Televisi	SJ-1371	san	345	
29.14.06.333	Hansen, Paul F.	SJ-1407	dom	70	
29.14.07.11	Helmer, Grodon	SJ-1568	dom	72	
29.14.07.113	Swearingen, Jack M.	SJ-0226	dom, stk	100	
29.14.07.413	Harris, Lowell	SJ-0451	dom, stk	24	
29.14.08.	Sterling, Hugh	SJ-0947	dom, stk	370	

Table 2.—Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
29.14.08.44	Brown, Richard K.	SJ-0788	dom, stk	100	80-100
29.14.08.444	White, Robert H.	SJ-0376	dom	80	60-80
29.14.17.1	Sweek, Kenneth D.	SJ-1259	dom, stk	31	
29.14.17.231	Hastings	SJ-0417	dom, stk	38	
29.14.17.231	Hastings, Joseph M.	SJ-0418	dom, stk	35	
29.14.17.442	Lower Valley MDWCA	SJ-0130-X-2	exp	12	
29.14.18.221	Urbach, Eugene W.	SJ-1034	dom	28	
29.15.01.123	El Paso Natural Gas	SJ-0027		1005	
29.15.02.33	Davie, Bill	SJ-0509	san	70	
29.15.04.34	Benson, Har D.	SJ-0931	dom	44	
29.15.06.414	Chaves, Ben S.	SJ-1237	dom, stk	30	
29.15.11.12	Interstate Gathering	SJ-1569	dom, san	60	47-56
29.15.11.34	Burton, Keith	SJ-1016	dom	25	
29.15.12.21	Knoll, David R.	SJ-0291	dom, stk	110	
29.15.12.22	Lester, Joseph S.	SJ-1136	dom	150	
29.15.13.24	Blaylock, Lodi	SJ-1223	dom, stk	30	
29.16.02.11	Miller, Herman A.	SJ-0862	dom	257	
29.16.02.11	Miller, Herman A.	SJ-0865	dom	45	
29.16.02.12	Miller, Herman A.	SJ-0861	dom	21	
29.16.02.12	Miller, Herman A.	SJ-0864	dom	21	
29.16.03.223	DECA, Inc.	SJ-0257	dom	32'	0-5'
29.16.03.224	DECA, Inc.	SJ-0258	Dom & San	34'	0-5'
29.16.04.2	Rogers, Jim	SJ-0373	dom	55	
29.16.04.343	Wheeler, Tom	SJ-0248	dom	35	
29.16.04.422	Fieldsted, Dennis	SJ-0357	dom	45	
29.16.08.224	L. Brewer & Asso.	SJ-0171-X	exp	30'	
29.16.08.224	Lrnce.Brewer & Asso.	SJ-0171	exp	30'	
29.16.09.	Wheeler, Lloyd W.	SJ-0264	stk	35	
29.17.21.142	Navajo Nation	SJ-0521	stk	2300	1512 open
29.17.32.312	Navajo Nation	SJ-0522	stk	2520	1764 open
29.18.21.423	Navajo Nation	SJ-0525	stk	2560	1806 open
29.18.34.111	Navajo Nation	SJ-0530	stk	2597	1827 open
29.19.06.312	Navajo Nation	SJ-1027	stk	1721	966 open
30.04.25.14	Carson Natl Forest	SJ-1291	stk	500	200-390
30.06.17.423	El Paso Natural Gas	SJ-0741	dr	2038	422-2010
30.07.17.44	BPOE #1747	SJ-0837	irr, dom, san	400	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.07.26.332	El Paso Natural Gas	SJ-0163-S-2	dr	1350	
30.07.33.422	U. S. Government	SJ-0035	ind	547	
30.08.15.1	Chavez, Abie Gene	SJ-1022	dom	19	
30.08.17.44	Chipman, S. W.	SJ-1307	dom	29	
30.08.17.44	Johnson, L. T.	SJ-1209	dom, stk	25	
30.08.19.22	Archuleta, Isadora	SJ-1516	dom, stk	15	
30.08.20.2	Archuleta, Cipriano	SJ-1095	dom, stk	42	
30.08.20.2	Batts, Cecil	SJ-1097	dom, stk	40	
30.08.20.21	Johnson, Harold	SJ-1024	dom	115	
30.08.20.21	Wiseman, Denzel W.	SJ-1558	dom	20	
30.08.27.3	El Paso Natural Gas	SJ-0008	ind	534	
30.09.06.3	El Paso Natural Gas	SJ-0009	ind	396	350-387
30.09.12.3	El Paso Natural Gas	SJ-0205	dr	100	none
30.09.25.1	NMSHD	SJ-0140	con	20	none
30.09.35.322	Jaramillo, Eudaro	SJ-0091	dom	34	
30.09.36.112	Gonzales, Amador	SJ-1330	irr	20	
30.10.02.132	State of New Mexico	SJ-0050	ind	520	100-500
30.10.08.111	Pace, Willaim C.	SJ-0589	dom, stk	175	
30.10.08.121	Russell, Ted	SJ-0774	dom	195	155-196
30.10.08.22	Alberts, Jeffrey J.	SJ-1527	dom	120	100-120
30.10.08.22	Cornell, F. W.	SJ-1193	dom	100	
30.10.08.24	Jacquez, Robert	SJ-1102	dom	200	160-195
30.10.08.44	Myers, Dwain D.	SJ-0523	dom	160	120-160
30.10.20.133	Larson, Al	SJ-1362	dom	238	188-238
30.10.23.242	U. S. Government	SJ-0024	ind	305	285-305
30.10.23.242	U. S. Government	SJ-0051	ind	305	285-305
30.10.23.42	El Paso Natural Gas	SJ-0197	dr	975	
30.10.24.2	El Paso Natural Gas	SJ-0010	ind	292	
30.10.33.21	Arellano, Jose N.	SJ-1116	dom	105	
30.10.34.124	Losh, E. & Shuhany,	SJ-1059	dom, stk	115	27-30
30.11.02.113	Valdez, Hilario	SJ-0975	dom	60	
30.11.02.13	Atchison, Mike	SJ-1217	dom	60	
30.11.03.1	Girardi, Jack L.	SJ-1437	dom, stk	40	
30.11.03.131	Orbensen, Thomas L.	SJ-1339	mul	40	25-35
30.11.03.132	Sipe, Robert	SJ-0350	dom	46	
30.11.03.132	Sipe, Robert I.	SJ-1441	dom	48	

Table 2.--Records of water wells in San Juan County, 1978-83 -- Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.11.03.14	Thornton, Alvin T.	SJ-1387	dom	40	
30.11.03.2	Dunning, Jack	SJ-1313	dom	70	35-65
30.11.03.212	McQuinty, Kenneth	SJ-1202	dom	35	
30.11.03.233	Madlenor, M. J.	SJ-0698	dom	44	
30.11.03.234	Pitts, J. D.	SJ-1261	dom	48	
30.11.03.3	McCall, Thomas O.	SJ-0402	dom	32	
30.11.03.32	Bell, Steve	SJ-0762	dom, stk	47	
30.11.03.32	Mullins, Gary	SJ-1734	dom	33	
30.11.03.32	Sipe, Ronald E.	SJ-1440	dom	41	
30.11.03.33	Pitts, Richard W.	SJ-1020	dom	27	
30.11.03.41	Monk, Ken	SJ-1238	dom, stk	95	35-95
30.11.03.414	Douglass, Harley B.	SJ-1043	dom, irr	50	
30.11.03.42	Downes, J. D.	SJ-1249	san	52	30-50
30.11.03.444	Montano, Fidel	SJ-0366	dom	33	
30.11.04.2	Chitwood, Noel	SJ-1364	dom	115	85-100
30.11.04.43	Suiter, Edward E.	SJ-1450	dom, stk	45	
30.11.04.441	Thurman, Merle B.	SJ-1367	dom	48	
30.11.07.143	Bacon, Ben	SJ-0806	dom	38	
30.11.07.143	Butner, Robin	SJ-0689	dom	78	58-73
30.11.07.143	Chapman, A. M.	SJ-0415	dom	53	
30.11.07.143	Chapman, Lenn	SJ-0688	dom	70	47-67
30.11.07.143	Clow, Doug M.	SJ-0387	dom	55	
30.11.07.143	Flaherty, Dennis O.	SJ-0389	dom	23	
30.11.07.143	Flaherty, Douglas	SJ-0889	dom	54	
30.11.07.143	Flaherty, Tom D.	SJ-0358	dom	61	45-60
30.11.07.143	Garcia, Hernando	SJ-0690	dom	60	
30.11.07.143	Greene, Clyde	SJ-0397	dom	56	
30.11.07.143	Nix, Billy	SJ-0739	dom	70	44-66
30.11.07.143	Stearns, W. R.	SJ-0882	dom	60	
30.11.07.143	Vigil, Daniel	SJ-0748	dom	60	
30.11.07.233	Walker, Mike	SJ-1475	dom, stk	49	
30.11.07.24	McWilliams, Lyle	SJ-0259	dom	25	
30.11.07.3	Young, R. J.	SJ-1492	dom, stk	60	50-55
30.11.07.32	Prada, Andy	SJ-1172	dom	50	
30.11.07.33	Custer, Ronald L.	SJ-1484	dom	61	
30.11.07.33	Sutton, R. H.	SJ-1310 (1)	dom, stk	80	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.11.07.34	Ivy, Marvin	SJ-1425	dom, stk	55	
30.11.07.34	Jourden, Tommy H.	SJ-1468	dom, stk	60	
30.11.07.41	Brewton, Vickey	SJ-0769	dom	50	
30.11.07.41	Danner, Clark	SJ-1406	dom	45	
30.11.07.41	Gill, Richard A.	SJ-0135	dom	180	15-25
30.11.07.413	Crane, Gordon N.	SJ-0329	dom	63	47-53
30.11.07.413	Crane, Gordon N. Jr.	SJ-0620	dom, stk	52	
30.11.07.413	Germany, Jimmy D.	SJ-0162	dom	58	52-58
30.11.07.413	Reed, Calvin	SJ-0679	dom	48	
30.11.07.42	Dees, Joe T.	SJ-0893	dom	80	
30.11.07.43	Chesnut, Tommy e.	SJ-1404	dom	40	
30.11.07.432	Bush, Ted	SJ-0918	dom, stk	35	
30.11.07.432	Coleson, Dave	SJ-0919	dom, stk	35	
30.11.07.432	Ferrell, Billie	SJ-0920	dom, stk	35	
30.11.07.432	Huddleston, Michael	SJ-1667	dom	41	
30.11.07.432	Valdez, Rubin G.	SJ-1567	dom, stk	35	
30.11.07.432	Wakefield, Felix B.	SJ-0604	dom, stk	38	
30.11.07.432	Wiggins, Charles	SJ-0601	dom, stk	40	
30.11.08.11	Read, Donald R.	SJ-0183	dom	360	
30.11.08.22	Hitti, Rudolph J.	SJ-0332	dom	52	
30.11.08.22	Perry, Frank J.	SJ-0249	dom	46	41-47
30.11.08.22	Reed, Fred & Mae	SJ-1451	dom	64	
30.11.08.223	Moore, Roy E.	SJ-0220	dom	60	55-61
30.11.08.224	McCleve, Roy D.	SJ-1115	dom	35	
30.11.08.224	Terwilligen, Ronald	SJ-0228	dom	67	61-68
30.11.08.32	Torres, Dennis	SJ-1368	dom	59	
30.11.08.41	McDonald, Vernon L.	SJ-1570	dom	59	
30.11.08.412	Chapman, Raymond	SJ-0925	dom	32	
30.11.08.412	Greenleaf, J. J.	SJ-1520	dom	58	
30.11.09.11	Jesser, Charlie	SJ-1585	dom	40	
30.11.09.11	Uphan, Leonard	SJ-1560	dom	36	
30.11.09.122	Buckelew, Alma	Sj-0924	dom	46	
30.11.09.123	Parker, W. B.	SJ-0438	dom	29	
30.11.09.13	Jackson, A. J.	SJ-1574	dom, stk	46	
30.11.09.13	Steffan, Martin	SJ-1169	dom	56	
30.11.09.132	Shelton, Richard J.	SJ-1465	dom	47	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.11.09.14	Suchodolski, Larry	SJ-0750	dom	26	
30.11.09.232	Long, Lawrence	SJ-0364	dom	33	
30.11.09.4	Padilla, Andy	SJ-0347	dom	35	
30.11.09.41	Dorman, Walter	SJ-1436	dom	210	
30.11.10.134	Horne, Troy V.	SJ-0348	dom	72	64-70
30.11.13.13	Charland, Richard W.	SJ-1693	dom	225	
30.11.13.13	Meuir, James R.	SJ-1672	dom	180	
30.11.13.133	Reynolds, Timothy	SJ-1294	dom, stk	92	87-92
30.11.16.12	Ford, James R.	SJ-0410	dom	61	53-61
30.11.16.221	Shockley, H. H.	SJ-1082	dom	80	68-76
30.11.17.1	Swaites, Howard L.	SJ-30.11.17.1	dom	20	
30.11.17.11	Lambert, Richard	SJ-1528	dom	26	
30.11.17.2112	Taylor, Dennis	SJ-1342	dom	26	
30.11.17.22	Brown, Robert or Jan	SJ-0665	dom, stk	28	
30.11.17.22	Pilling, Carl K.	SJ-0745	dom	54	
30.11.17.23	Olguin, Lloyd	SJ-1057	dom	63	
30.11.17.23	Stone, Thomas F.	SJ-1060	dom	58	
30.11.17.23	Watson, Bud & Cathy	SJ-0166	dom	48	39-47
30.11.17.24	Webster, Charles	SJ-1200	dom, stk	50	
30.11.17.31	Howard, Roy A.	SJ-0159	dom	35	29-35
30.11.17.32	Tharrington, R. B.	SJ-1296	dom	50	
30.11.17.41	Cummingham, Lonnie	SJ-0234	dom	54	48-53
30.11.17.41	Hoffman, Lottie M.	SJ-0411	dom, stk	60	52-58
30.11.17.412	Elder, Eugene	SJ-0457	dom	52	
30.11.17.413	Martinez, Tony J.	SJ-0650	dom	49	
30.11.17.42	Minium, Emory	SJ-0136	dom	69	62-68
30.11.18.113	Easterling, Donald R	SJ-1316	dom	46	
30.11.18.122	Marr, Joseph I.	SJ-1639	dom	40	
30.11.18.124	Moore, Alex D.	SJ-0932	dom	32	
30.11.18.13	Burns, Dale	SJ-1786	dom	35	
30.11.18.13	Christensen, Steve	SJ-1401	dom, stk	44	
30.11.18.13	Davin, Roy	SJ-1733	dom	29	
30.11.18.13	Rodgers, John	SJ-1738	dom	33	
30.11.19.21	Smith, Frank	SJ-1072	dom	100	60-96
30.11.19.21	Zenke, Norman W.	SJ-0638	dom, stk	130	90-130
30.11.19.22	Gordon, Randy	SJ-1636	dom	70	

Table 2.---Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.11.19.32	Ridens, A. L.	SJ-1621	dom	40	
30.11.19.41	Jacques, Toby F.	SJ-01123	dom	40	
30.12.04.43	Buchanan, James E.	SJ-1692	dom	156	130-150
30.12.04.43	Ivy, James E. & Susa	SJ-1792	dom	155	115-155
30.12.10.34	Donaldson, Warren J.	SJ-0945	dom	130	
30.12.11.442	Hamptom, Robert B.	SJ-0142	dom, stk	192	162-192
30.12.11.444	Reynolds, John	SJ-0651	dom, stk	193	133-193
30.12.12.432	Adams, Rex	SJ-0384	dom	57	
30.12.12.44	Archuleta, Roldan	SJ-0643	dom	75	
30.12.12.441	Harris, Jack O.	SJ-0322	dom	66	
30.12.13.1	Armstrong, K. T.	SJ-0518	dom, stk	55	
30.12.13.1	Hesser, Evertt C.	SJ-0935	dom	54	
30.12.13.1	Whitson, George	SJ-0888	dom	81	
30.12.13.11	Brock, Edna	SJ-0316	dom	56	
30.12.13.11	Kerby, Billy R.	SJ-0337	dom	43	
30.12.13.111	Garcia, Hernando	SJ-0773	dom	69	
30.12.13.13	Whipple, Theron	SJ-0821	dom, stk	42	
30.12.13.224	Williams, Joe	SJ-1403	dom, stk	51	
30.12.13.312	Henrie, James C.	SJ-1773	dom, stk	60	40-60
30.12.13.32	Burch, Ralph J.	SJ-0299	dom	49	
30.12.14.14	Briggs, Wendel	SJ-0854	dom, stk	87	
30.12.14.222	Garcia, Leroy G.	SJ-0123	dom	60	
30.12.14.224	Chastain, J. W.	SJ-0667	dom, stk, san	60	53-60
30.12.14.24	Whinery, H. D.	SJ-1161	dom	37	
30.12.14.31	Hawkinson, Alan	SJ-0105	dom	38	34-38
30.12.14.31	Zygmunt, Stanley	SJ-0596	dom, stk	72	
30.12.14.313	Lammon, Ray A.	SJ-0735	dom, stk	50	
30.12.14.32	McCarty, Robert F.	SJ-0676	san	51	
30.12.14.32	Rolan, Travis	SJ-0574	dom	72	
30.12.14.34	Baker, Herman	SJ-0106	dom	50	
30.12.14.34	Cleaver, Arlo L.	SJ-1674	dom	65	
30.12.14.34	Flack, Alan L.	SJ-0124	dom, stk	55	
30.12.14.34	McDaniel, Mack H.	SJ-0129	dom	50	
30.12.14.34	Wood, Larry G.	SJ-0271	dom	43	
30.12.14.342	Blair, Tom	SJ-0508	dom, stk	45	
30.12.14.41	Hill, Raymond	SJ-0458	dom	37	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.12.14.43	Stanley, Leland	SJ-0290	dom	39	
30.12.14.43	Truelock, A. C.	SJ-0482	dom, stk	43	
30.12.15..	Chandler, Robert R.	SJ-0367	dom, stk	95	75-95
30.12.15.14	Mansfield, Richard A	SJ-1178	dom	110	
30.12.15.22	Johnston, I. E.	SJ-0421	dom	126	
30.12.15.234	Taylor, Elwin D.	SJ-0817	dom	96	
30.12.15.3	Blackwell, Clarence	SJ-0145	dom	165	
30.12.15.3	Jones, Brent	SJ-1162	stk	50	
30.12.15.3	Lee, Ronald E.	SJ-0709	stk	52	
30.12.15.3	Potter, Jill	SJ-0883	dom	75	
30.12.15.31	Doughty, Al	SJ-0416	dom, stk	120	60-120
30.12.15.34	Alexander, Jerry	SJ-1037	dom	50	
30.12.15.34	Alexander, O. A.	SJ-0710	dom, stk	90	82-85
30.12.15.34	Blankinship, Kirk	SJ-0717	dom	100	
30.12.15.34	Farnsworth, Merl	SJ-0730	dom, stk	90	
30.12.15.34	Farnsworth, Rex N.	SJ-0731	dom, stk	90	
30.12.15.34	Hemmerich, Lovern	SJ-1438	dom	96	
30.12.15.34	Herrera, Amarante J.	SJ-0912	dom	58	
30.12.15.34	Holmes, Gene H.	SJ-0828	dom	59	30-58
30.12.15.34	Holmes, Gene H.	SJ-0829	dom	68	63-67
30.12.15.34	Hopper, David	SJ-1215	dom	60	
30.12.15.34	Jeter, Dennis	SJ-0828	dom	43	
30.12.15.34	Johnson, Charles	SJ-1793	dom	50	
30.12.15.34	Meador, Duane or Bet	SJ-0816	dom	58	
30.12.15.34	Southall, James	SJ-0684	dom	73	
30.12.15.34	Thompson, Leon	SJ-0714	dom	92	
30.12.15.34	Williams, Bobby	SJ-0928	dom	68	
30.12.15.342	Smith, David M.	SJ-0481	dom	52	
30.12.15.343	Montoya, Jerry	SJ-0516	dom	55	
30.12.15.412	Smith, Paul W.	SJ-0927	dom, stk	204	
30.12.15.42	Sutton, Jim	SJ-0594	dom, stk	145	85-145
30.12.15.433	Martin, C. P.	SJ-0810	dom, stk	96	
30.12.16.44	Martin, Mike	SJ-1279	dom	200	160-200
30.12.18.21	Roget, John J.	SJ-1619	dom	395	
30.12.18.23	Zeiger, Jay B.	SJ-1737	dom	540	500-530
30.12.18.3	Smith, Bob J.	SJ-1014	dom	306	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.12.18.3	Smith, Collen L.	SJ-1013	dbm	310	
30.12.18.31	Burt, W. H.	SJ-1080	dbm	305	
30.12.18.331	Coen, George M.	SJ-0575	dbm	420	
30.12.18.343	Stanley, James C.	SJ-1514	dbm	430	
30.12.18.43	Bacon, A. K.	SJ-1283	dbm	425	380-420
30.12.19.	Jordon, A. Dale	SJ-0148	dbm	270	245-265
30.12.21.44	Johnson, Kelly	SJ-0950	dom, stk	70	
30.12.22.112	Mellott, John	SJ-1152	dom, stk	66	
30.12.22.122	Moss, Jakie L.	SJ-1297	dom	67	
30.12.22.13	Thomas, Harold D.	SJ-0439	dom	97	90-97
30.12.22.14	Knight, Joe E. Jr.	SJ-0462	dom	61	
30.12.22.2	Miller, Dwight A.	SJ-0312	dom, stk	94	90-94
30.12.22.2	Padilla, Andy	SJ-0695	dom	69	
30.12.22.22	Langlitz, Nancy	SJ-0360	dom	35	
30.12.22.2222	Sanchez, Donald C.	SJ-0746	dom	42	
30.12.22.23	Ibison, Gene	SJ-0800	dom	79	
30.12.22.23	Ibison, Gene	SJ-1273	dom	100	94-98
30.12.22.24	Manwill, Frank	SJ-1301	dom	50	
30.12.22.31	Hayes, Micheal Allen	SJ-1684	dom	80	
30.12.22.34	Beal, Glen	SJ-0569	dom, stk	44	
30.12.22.34	Dezendorf, James E.	SJ-1393	dom, stk	39	
30.12.22.34	Tow, Chester M.	SJ-1312	dom	38	
30.12.22.34	Wood, Randy	SJ-1165	dom	42	
30.12.22.41	Ward, George & Debor	SJ-1614	dom, stk	45	
30.12.22.42	Buller, Neil	SJ-0460	dom	40	
30.12.22.433	Thompson, Wayne	SJ-0903	dom, stk	45	
30.12.22.434	Ryan, Dexter	SJ-1386	dom, stk	40	
30.12.22.434	Williams, William F.	SJ-1340	dom, stk	40	
30.12.23.	Necaise, John R.	Sj-1168	dom	33	
30.12.23.11	Vigil, John R.	SJ-0869	dom	42	
30.12.23.12	Johnson, William H.	SJ-1035	dom, stk	39	
30.12.23.12	Morris, A. H.	SJ-1021	dom	35	
30.12.23.12	Otte, Mary Ellen	SJ-0644	dom	35	
30.12.23.121	Snow, Ronald D.	SJ-0449	dom	38	
30.12.23.1212	Calvert, Loren	SJ-0642	dom	45	
30.12.23.13	Ritchey, William	SJ-0538	dom	37	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.12.23.14	Byrum, Victor	SJ-0934	dom	31	
30.12.23.14	Haley, Jack	SJ-0537	dom	37	
30.12.23.144	Richardson, Kenneth	SJ-0186	dom	31	11-31
30.12.23.2	Knowles, James	SJ-1750	dom	34	
30.12.23.21	Putman, Prentice D.	SJ-1074	dom	26	
30.12.23.212	Mason, C. D.	SJ-0244	dom	40	26-39
30.12.23.22	Anaya, Lvaiano	SJ-1461	dom, stk	43	
30.12.23.22	Moore, Raymond C.	SJ-0318	dom	41	
30.12.23.22	Tolbert, W. L.	SJ-0475	dom	40	
30.12.23.222	Moore, Raymond C.	SJ-0856	dom	40	
30.12.23.23	Beal, Forrest G.	SJ-0479	dom	24	
30.12.23.24	Eaton, Robert	SJ-0923	dom	23	
30.12.23.331	Thurstonson, R. G.	SJ-0873	irr	50	
30.12.23.333	Flora Vista MDWCA	SJ-0588	mun	25	
30.12.23.344	Durham, Cecil Jr.	SJ-1276	dom	18	
30.12.23.4	Tanner, Tyson	SJ-1148	dom, stk	140	
30.12.23.42	Adkison, Larry	SJ-1513	dom, stk	31	
30.12.23.421	Carrison, Danny	SJ-1272	dom, stk	35	
30.12.23.423	Werner, Charles E.	SJ-0114	dom, stk	40	
30.12.23.423	Werner, Tim L.	SJ-0117	dom	38	
30.12.23.43	Biggins, Michael B.	SJ-1381	dom	29	
30.12.23.43	Speaker, James E.	SJ-0111	dom	28	
30.12.23.44	Cordell, Toby	SJ-0896	dom, stk	40	
30.12.24.13	Garrett, S. J.	SJ-0633	dom, stk	38	
30.12.24.14	Herrick, Nelda	SJ-1680	dom	22	
30.12.24.14	Herrick, Ralph	SJ-1681	dom	22	
30.12.24.14	Sanders, Gregory	SJ-1682	dom	22	
30.12.24.14	Southside Water User	SJ-1006	mun	38	
30.12.24.14	Southside Water User	SJ-1006	mun	38	
30.12.24.14	Southside Water User	SJ-1006	mun	38	
30.12.24.31	Jaquez, Larry	SJ-0691	dom	30	
30.12.24.311	Jaques, Chris	SJ-0686	dom	20	
30.12.24.313	Harfield, Douglas	SJ-0404	dom	54	
30.12.24.32	Popplewell, E. C.	SJ-1511	dom	60	
30.12.25.4	Bryant, J. K.	SJ-1429	dom, stk	230	150-230
30.12.25.43	Van Belle, Jim	SJ-1427	dom	147	107-147

Table 2.—Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.12.26.33	Scott Trust	SJ-0429	dom, stk	114	60-114
30.12.27.12	Burton, James B.	SJ-0127	dom, stk	30	
30.12.27.13	Acosta, Manuel	SJ-1617	dom, stk	24	
30.12.27.13	Lee, Andrew	SJ-1646	dom	23	
30.12.27.13	Otero, Meliton R.	SJ-1599	dom, stk	25	
30.12.27.133	Rosenberg, Rex P.	SJ-1239	dom, stk	23	
30.12.27.142	Neilson, Gary G.	SJ-0963	dom	106	86-106
30.12.27.21	Hawkins, D. E.	SJ-1530	dom, stk	33	
30.12.27.21	Hudson, James D.	SJ-1694	dom	32	
30.12.27.312	Luther, Roy F.	SJ-0844	dom, stk	31	
30.12.27.4	Ritter, Wayne	SJ-1572	dom	43	
30.12.28.	Lipe, Loren L.	SJ-0282	dom	84	64-84
30.12.28.13	Schumann, Henry F.	SJ-0122	dom	126	66-126
30.12.28.13	Thurstonson, John	SJ-1309	dom, stk	55	
30.12.28.143	Hicks, Mike	SJ-1275	dom	30	
30.12.28.212	Rowse, C. W.	SJ-1129	dom, stk	40	
30.12.28.231	Cole, Jack A.	SJ-0346	dom	41	
30.12.28.44	Burson, W. C.	SJ-0669	dom	70	
30.12.29.4	Henley, Otto K.	SJ-0536	dom, stk	50	
30.12.29.443	Crawford, Willaim E.	SJ-1052	dom	39	
30.12.30.111	Nelson, Steve	SJ-1314	dom	240	195-235
30.12.30.33	Berry, Raymond	SJ-1637	dom	127	87-127
30.12.30.344	Shay, Roger D.	SJ-1632	dom	175	
30.12.31.24	Jones, Vernon	SJ-0223	dom	63	56-64
30.12.31.24	Jordan, Cagle	SJ-0170	dom	45	
30.12.31.32	Racawan, Watonna	SJ-1236	dom	50	
30.12.32.14	Dimmick, Larry	SJ-0190	dom	34	30-34
30.12.32.2112	Kinsey, David	SJ-1664	dom	32	
30.12.32.34	Smith, Dan	SJ-0519	dom	24	
30.12.33	Finney, Jerry	SJ-0613	dom, stk	147	87-147
30.12.33.13	Kirkland, Fred N.	SJ-1390	dom	40	
30.12.33.13	Kirkland, John F.	SJ-1174	dom	36	
30.12.33.2	Lovejoy, Theodore L.	SJ-1256	dom, stk	250	150-250
30.12.33.212	Ramsey, Bill	SJ-0605	dom, stk	72	
30.12.33.212	Tully, Richard	SJ-0606	dom, stk	104	80-104
30.12.33.22	Lucero, Manuel	SJ-1072	dom	110	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.12.33.22	Mason, Allen	SJ-1045	dom	73	
30.12.33.22	Schropp, John	SJ-1036	dom	105	
30.12.33.233	Sturdivant, Otis A.	SJ-0474	dom, stk	104	
30.12.33.24	Hughes, Donald R.	SJ-0444	dom	66	51-66
30.12.33.24	Smith, Donald W.	SJ-0505	dom, stk	85	60-85
30.12.33.32	Jameson, Norma H.	SJ-1118	dom	32	
30.12.33.33	Archuleta, Fermin	SJ-1633	dom	280	
30.12.33.33	Charnetzky, Donald E.	SJ-1286	dom	265	
30.12.33.41	Droegemuller, Fred E	SJ-0447	dom,stk	104	
30.12.33.412	Jones, C. B.	SJ-0622	dom, stk	76	
30.12.33.413	Boser, Robert W.	SJ-0590	dom, stk	98	
30.12.33.423	Hamner, Roger	SJ-1231	dom, stk	246	140-246
30.12.34.44	Scott Trust	SJ-0428	dom, stk	107	60-100
30.13.01.412	Utton, John W.	SJ-1344	dom	42	
30.13.05.344	Long, Garton & Betty	SJ-0132	dom & irr	100	
30.13.08.2	Jeter, Ernest R.	SJ-0293	dom	50	
30.13.08.2	McFarland, Dennis J.	SJ-1101	dom	41	
30.13.08.2	Novinger, Ross A.	Sj-0328	dom, stk	33	
30.13.08.2	Uttes, Robert	SJ-0877	dom, stk	60	
30.13.08.2	Victor, Leo	SJ-1463	dom	52	
30.13.08.21	Guaderrama, Cretia	SJ-0855	dom	50	
30.13.08.342	Kannard, J.R.	SJ-0587	dom	72	
30.13.09.31	Owen, Virgil L.	SJ-0374	dom	56	
30.13.09.31	Stdogall, Kerry	SJ-0818	dom, stk	130	30-130
30.13.26.143	Huntsman, A. E.	SJ-1736	dom	332	292-332
30.13.26.1443	Chandler, George	SJ-1119	dom	370	
30.13.26.3144	Cole, W. J.	SJ-1117	dom	360	
30.13.26.333	Bennett, George E.	SJ-1181	dom	257	
30.13.26.3411	Bates, Dug	SJ-1454	dom	400	360-400
30.13.26.422	Vendetti, Paul	SJ-1503	dom	310	
30.13.29.2	Prater, Joe L.	SJ-0262	dom	38	
30.13.29.2	Schwab, William R.Jr	SJ-1040	san	49	
30.13.29.2	Zebra Corporation	SJ-0868	dom	49	
30.13.29.4	Phillips, Lewis E.	SJ-0448	dom, stk	45	
30.13.29.4	Sturges, John	SJ-1502	dom	47	
30.13.29.43	Anderson, John L.	SJ-0215	dom	55	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
30.13.30.44	Shay, James A.	SJ-0467	dom	36	
30.13.32.14	Risenhoover, Edger L	SJ-1150	dom	37	
30.13.32.3	Ullo, Larry E.	SJ-0156	dom	44	28-32
30.13.32.3	Webb, Gregory	SJ-0217	dom, stk	40	20-40
30.13.32.31	Beacham, Charles J.	SJ-1359	dom	25	
30.14.03.13	McAdams, Bill	SJ-0944	dom, stk	61	
30.15.22.334	Western Coal Co.	SJ-0815-Expl-2	exp	240	
30.15.27.431	Western Coal Co.	SJ-0815-Expl	exp	234	
30.15.27.431	Western Coal Co.	SJ-0815-O	obs	231	219-230
30.15.31.44	Hunt, William F.	SJ-1274	dom	15	
30.15.36.143	Western Coal Co.	SJ-0971-Expl-1	exp	532	Kpc
30.15.36.143	Western Coal Co.	SJ-0971-Expl-2	exp	524	Kpc
30.16.35.24	Chitty, Donald J.	SJ-0876	dom	77	
30.16.36.31	Miller, Herman A.	SJ-0866	irr, dom, stk	90	
30.16.36.33	Miller, Herman A.	SJ-0863	dom, stk	45	
30.19.05.231	Navajo Nation	SJ-0540	stk	2000	1218 open
30.19.19.143	Navajo Nation	SJ-1033	stk	1681	945 open
30.19.21.412	Navajo Nation	SJ-0539	stk	2035	1344 open
30-13.08.21	Myers, Dudley	SJ-1068	dom	53	
31.01.15.332	Martinez, Bernice	SJ-1741	dom	205	60-180
31.02.12.142	Gomez, Mouricio E.	SJ-0396	dom	56	
31.02.12.31	Gomez, Jose E.	SJ-0517	irr	38	15-34
31.02.12.31	Gomez, Jose E.	SJ-0517-S	irr	44	14-34
31.02.12.31	Gomez, Jose E.	SJ-0517-S-2	irr	46	18-36
31.04.33.3	U. S. Government	SJ-0049	ind	112	100-112
31.06.32.	El Paso Natural Gas	SJ-0011	ind	610	
31.08.24.443	Fachan, Ernest T.	SJ-1167	dom	402	
31.08.30.2	El Paso Natural Gas	SJ-0012	ind	1021	700-720
31.08.32.334	El Paso Natural Gas	SJ-0198	dr	2003	
31.09.10.3	El Paso Natural Gas	SJ-0013		458	
31.09.10.3	El Paso Natural Gas	SJ-0014		462	
31.09.17.3	U. S. Government	SJ-0023	ind	550	
31.09.19.	El Paso Natural Gas	SJ-0015	ind	610	220-275
31.09.20.2	U. S. Government	SJ-0022	ind	202	130-202
31.09.20.3	U. S. Government	SJ-0052	ind	510	
31.09.21.4	U. S. Government	SJ-0029		178	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
31.09.27.433	El Paso Natural Gas	SJ-0016	ind	118	84-118
31.09.36.3	El Paso Natural Gas	SJ-0206	dr	100	none
31.10.04.12	Johnson, Marshall J.	SJ-0498	dom, stk	26	
31.10.04.14	Morrison, Joseph	SJ-0573	dom	37	
31.10.04.142	Van Diest, Garrett	SJ-0595	mul	90	
31.10.04.142	Van Diest, Garrett	SJ-0595-S	mul	70	
31.10.04.2	Karlin, Albert	SJ-0175	dom	28.5	25-30
31.10.04.21	Mackey, James A.	SJ-1563	dom, stk	44	
31.10.04.22	Allen, Vaun	SJ-0128	dom	70	15-25
31.10.04.22	Duke, James R.	SJ-1564	dom, stk	34	
31.10.05.33	Stevens, Lee	SJ-1370	dom	48	
31.10.05.34	Gilbert, Wayne A.	SJ-0304	dom	18	
31.10.05.43	McEven, Wright	SJ-1373	dom	6	
31.10.07.4	Cottonwood Farms	SJ-1521	dom, stk	45	
31.10.08.	Gustafson, Howard S.	SJ-0585	dom	40	
31.10.10.2	U. S. Government	SJ-0054	ind	455	289-336
31.10.133	Newton, James T.	SJ-1796	dom	32	
31.10.15.3	Stevenson Drilling	SJ-0830-Expl	exp	550	
31.10.17.34	Seaman, Joe	SJ-1198	dom	158	128-158
31.10.18.13	Rielly, Richard J.	SJ-1616	dom, stk	18	
31.10.18.131	Reddy, Jamey	SJ-1534	dom	34	
31.10.18.14	Martin, David	SJ-1598	dom	30	
31.10.18.14	Spicer, Alfred	SJ-1587	dom	35	
31.10.18.143	Chapman, Allen Len	SJ-1747	dom	20	
31.10.18.214	Webb, Orval W.	SJ-1718	dom	30	
31.10.18.31	Mull, Verring	SJ-1550	dom, stk	22	
31.10.18.31	Pousson, Olan M.	SJ-1500	dom	26	
31.10.18.31	Woods, Lydia Powers	SJ-1625	dom, stk	21	
31.10.18.314	Webb, Orval W.	SJ-1552	mul	30	12-20
31.10.18.33	Modica, Elizabeth	SJ-0611-S	com	58	
31.10.18.333	Modica, Elizabeth	SJ-0611	com	58	
31.10.19.1	Saline, Garnet	SJ-0555	dom, stk	70	
31.10.19.13	Saline, Danny & Garn	SJ-1428	dom	65	
31.10.19.133	Grace Tabernacle	SJ-1349	dom	78	
31.10.27.43	Crawford, R. C.	SJ-0967	dom	130	100-128
31.10.27.43	D'Anca, Art	SJ-0990	dom	162	140-160

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
31.10.27.441	Stalcup, Jerry	SJ-1483	dom	195	
31.10.28.141	El Paso Natural Gas	SJ-0163	dr	1538	599-1146
31.10.34.21	Chandler, Noel P.	SJ-1480	dom, stk	245	125-150
31.10.34.21	Johnson, Daryl Sean	SJ-0981	dom	164	135-160
31.11.13.14	Lockwood, Dale E.	SJ-1551	dom, stk	64	
31.11.13.24	Calvert, Loren L.	SJ-1640	dom	32	
31.11.13.24	Moschetti, R. D.	SJ-0560	dom	39	
31.11.13.24	Perry, Billy	SJ-1729	dom	48	
31.11.13.3	Martinez, George	SJ-1539	dom	52	
31.11.13.3	Turner, Ray	SJ-1541	dom	52	
31.11.13.33	Day, Vance	SJ-0946	dom, stk	135	115-135
31.11.13.4	Hesser, E. C.	SJ-1801	dom	22	
31.11.13.4	Medina, Santiago	SJ-1540	dom	52	
31.11.13.44	Charles, Raymond S.	SJ-1609	dom	40	
31.11.13.44	Custer, Ronald	SJ-1683	dom, stk	45	
31.11.13.44	Custer, Wilber L.	SJ-1663	dom	45	
31.11.13.44	Evans, Mark R.	SJ-1537	dom	52	
31.11.13.44	Henson, Albert E.	SJ-1699	dom	42	
31.11.13.44	Larribas, Leroy P.	SJ-1538	dom	52	
31.11.13.44	Mills, Jeff	SJ-1645	dom	22	
31.11.13.44	Nichols, L. F.	SJ-1730	dom	40	
31.11.13.44	Pace, Janet	SJ-1644	dom	23	
31.11.13.44	Salazar, Greg	SJ-1731	dom	43	
31.11.13.44	Whitson, Jim	SJ-1542	dom	22	
31.11.13.44	Wilhite, Charles	SJ-1767	dom	42	
31.11.13.444	Cole, Dwight	SJ-1142	dom	30	
31.11.13.444	Mortensen, Rod	SJ-1173	dom, stk	46	
31.11.24.1	Cheverie, Jim	SJ-1600	dom, stk	30	
31.11.24.2	Dean, Jim E.	SJ-1559	dom	50	
31.11.24.22	Caton, Wilson L.	SJ-1375	dom, stk	30	
31.11.24.222	Lopez, Arsenio	SJ-1744	dom	44	
31.11.24.244	Chapman, Allen R.	SJ-0365	dom	71	
31.11.24.244	Parnell, Jimmie E.	SJ-0379	dom	65	58-66
31.11.24.3	Shevokas, Dale	SJ-1670	dom, stk	45	
31.11.24.324	Salisbury, Bruce	SJ-0287	dom	38	
31.11.24.34	Andrae, Mark R.	SJ-1553	dom	44	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS AQUIFER
31.11.24.41	Stewart, Howard	SJ-1366	dom	30
31.11.24.43	North, Earl	SJ-1405	dom	30
31.11.24.43	Winters, Lee	SJ-0913	dom, stk	81
31.11.24.434	Vaughan, Kenneth	SJ-1047	dom, stk	205
31.11.24.434	Wells, Karen L.	SJ-0405	dom	185-205
31.11.24.434	Winters, Stephen F.	SJ-1455	dom, stk	63-69
31.11.26.14	Hall, James C.	SJ-1233	dom	101
31.11.26.143	Utton, Orion J.	SJ-0675	dom, stk	49
31.11.26.31	Allmon, James S. Jr.	SJ-0705	dom	36
31.11.26.31	Leming, Edward	SJ-1789	dom	18
31.11.26.312	Leming, Edward	SJ-0371	dom	29
31.11.26.314	Baird, Ronnie L.	SJ-0363	dom	29
31.11.26.41	Moore, Mae	SJ-0926	dom	25
31.11.26.42	Avila, Andres S.	SJ-1628	dom	62
31.11.26.42	Henderson, Willie J.	SJ-1519	dom	66
31.11.26.42	Hickox, James L.	SJ-1620	dom	69
31.11.26.42	Long, Lawrence	SJ-0610	com	67
31.11.26.43	Wimpy, Kenneth L.	SJ-0561	dom	80
31.11.26.43	Wimpy, Kenneth L.	SJ-0562	stk	38
31.11.26.44	Bowman, Jack	SJ-1042	dom	40
31.11.26.44	Stinson, Tom	SJ-0494	dom	100
31.11.30.424	McCoy, L. L.	SJ-1154	dom, stk	88
31.11.30.441	Simpson, Larry S.	SJ-1396	dom	190
31.11.30.444	Brown, Joseph A.	SJ-0970	dom	80
31.11.34.14	Billywhite, Dwayne	SJ-1251	dom, stk	110
31.11.34.14	Bruhn	SJ-1533	dom, stk	79
31.11.34.142	Crane, Morton	SJ-1125	dom, stk	58
31.11.34.2	Dodson, Burl	SJ-1656	dom, stk	59
31.11.34.2	Howlett, Frank	SJ-1675	dom	20
31.11.34.2	Liesse, Robert	SJ-0656	dom, stk	33
31.11.34.2	Phelps, Ernest W.	SJ-0632	dom, stk	30
31.11.34.2	Smith, Allen H. Jr.	SJ-0631	dom, stk	25
31.11.34.2	Thompson, Donald L.	SJ-1657	dom	30
31.11.34.21	Sumner, John C.	SJ-1267	dom, stk	20
31.11.34.21	Walker, Mike	SJ-1618	dom, stk	65
31.11.34.211	Lopez, Alfredo	SJ-0660	dom	28
				50

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
31.11.34.22	Krueger, Bruce	SJ-1768	dom	20	
31.11.34.22	Peterson, Kenneth	SJ-1721	dom	22	
31.11.34.23	Eaton, Lloyd T.	SJ-0659	dom	33	
31.11.34.231	Johnson, Glen R.	SJ-0661	dom, stk	52	
31.11.34.4	Torres, Dennis	SJ-1608	dom, stk	48	
31.11.34.44	McCarty, Francis M.	SJ-0985	dom, san	40	
31.11.35.134	Saline, Glenn E.	SJ-0333	dom	30	
31.11.35.144	Bible, Troy R.	SJ-1144	dom	55	
31.11.35.222	Townsend, James C.	SJ-1319 (1)	dom, stk	215	
31.11.35.23	Noyes, Bob L.	SJ-0185	dom	54	44-54
31.11.35.3	Bixler, Jack D.	SJ-0983	dom	110	
31.11.35.3	Miller, Nellie	SJ-0939	dom	60	
31.11.35.31	Johnson, Francis A.	SJ-0940	dom,stk	64	
31.11.35.311	Savidge, Robert W.	SJ-1580	dom	65	
31.11.35.314	Bixler, Robert D.	SJ-0591	dom	83	
31.11.35.32	Miller, Nellie	SJ-0939 (1)	dom	60	
31.11.35.42	Savoy, Frank & Marce	SJ-0713	dom	37	
31.12.01.433	Sayre, Joe K.	SJ-1660	dom	320	
31.12.01.434	Jones, Sherman	SJ-1649	dom	220	
31.12.25.2	Johnson, Joan O.	SJ-1477	dom	565	
31.12.25.213	Sledge, Mary Catheri	SJ-1163	dom	200	140-200
31.12.25.214	Erkert, Ronald F.	SJ-1108	dom	245	80-100
31.12.25.223	Keyes, Cathy	SJ-1303	dom	210	no water
31.12.25.224	Dugan, Terry	SJ-1180	dom	200	
31.12.25.24	Pearson, Carl A.	SJ-0968	dom	170	110-17-
31.13.02.22	Hargroves, Cheryl	SJ-0835	dom	34	
31.13.09.2112	Terry, John D.	SJ-1295	dom	230	190-225
31.13.10.2	Hamblin Farms Inc.	SJ-0798	stk	125	
31.13.10.2	Hamblin, Elbert	SJ-1094	dom, stk	130	
31.13.10.211	Nelson, Price W.	SJ-0089	irr,stk,dom	80	
31.13.10.41	Frost, Laurie	SJ-0729	dom, stk	43	
31.13.21.	Tackitt, Allen	SJ-0398	stk	104	
31.13.22	Sheppard, Thomas J.	SJ-0965	dom	115	95-115
32.01.21.22	Garcia, Elias A.	SJ-1581	dom	42	
32.01.21.22	Lumberton MDWCA	SJ-0088-Exp	exp	55	40-50
32.01.35	Lumberton MDWCA	SJ-0088	mun	430	

Table 2.--Records of water wells in San Juan County, 1978-83 - Continued

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS	AQUIFER
32.07.14.434	El Paso Natural Gas	SJ-1205	dr	3054	792-3004
32.07.34.3	USofA BLM	SJ-1612	stk	800	dry
32.10.10.	Cunningham, John	SJ-1424	dom	164	124-164
32.10.10.112	Briggs, Otis E.	SJ-0528	dom, stk	240	
32.10.10.322	Briggs, Lee	SJ-0263	Dom & San	108'	None
32.10.10.33	Ellsbury, Robert L.	SJ-1688	dom	23	
32.10.15.1	Burton, G. W.	SJ-1153	dom, stk	100	35-100
32.10.15.3	Bussell, Leroy	SJ-1290	dom, stk	105	25-105
32.10.21.23	Brown, C. W.	SJ-1512	dom, stk	77	
32.10.21.234	Howell, Lawrence L.	SJ-0446	dom	76	68-75
32.10.21.43	Waggoner, Mitch	SJ-1435	dom, stk	70	
32.10.21.441	Winters, Charles A.	SJ-0489	dom	65	
32.10.28.41	Orbensen, Helen D.	SJ-0153	dom	23	17-23
32.10.31.33	Leeper, Benson	SJ-1356	dom, stk	63	
32.10.33.	Evans, Dean	SJ-0323	dom, stk	25	
32.10.33.223	Hobmeier, John	SJ-1546	dom	230	195-230
32.10.33.4	Simpson, A. L.	SJ-0231	dom, stk	50	20-50
32.10.33.41	Brimhall, Mary	SJ-1222	dom	41	
32.10.33.41	Hartle, James D.	SJ-1346	dom	70	36-41
32.10.33.42	Phillips, Stanley K.	SJ-0860	dom	70	
32.10.33.424	Jones, J. Terry	SJ-1110	dom	60	
32.10.33.43	George, David	SJ-1577	dom	44	
32.10.34.13	Holmberg, C. O.	SJ-0718	dom	31	
32.10.34.3	McCartney, Bruce	SJ-0586	dom	34	
32.10.34.3	Southern, Billy Ray	SJ-0534	dom, stk	28	
32.10.34.31	Lopez, Richard A.	SJ-1029	dom, stk	31	
32.10.34.31	Stock, Marvin K.	SJ-1490	dom	48	
32.10.34.331	Engiert, Kenneth	SJ-0921	dom	60	
32.10.34.331	Hall, Charles	SJ-1389	dom	35	
32.11.19.22	Decker, Austin D.	SJ-1360	stk	180	150-180
32.11.23.223	Decker, Austin	SJ-1327	stk	90	20-90
32.11.23.3	El Paso Natural Gas	SJ-0021		585	
32.11.24.2	El Paso Natural Gas	SJ-0017	ind	105	65-105
32.11.29.3	El Paso Natural Gas	SJ-0020		588	
32.11.33.2	U. S. Government	SJ-0026	ind	321	270-321
32.12.18.234	Western Coal Co.	SJ-1213	obs	640	430-600

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Table 2.--Records of water wells in San Juan County, 1978-83 - Concluded

LOCATION	NAME	WELL NUMBER	USE	DEPTH PERFORATIONS AQUIFER		
32.12.18.413	Western Coal Co.	SJ-1212	obs	43	25-43	Qa1
32.12.25.2	Brown, J. C.	SJ-0055	ind	504	170-300	
32.12.35.34	Murray, Marsha	SJ-1106	dom, stk	180	110-180	
32.13.10.43	Degner, Robert D.	SJ-1439	dom	45		
32.13.10.43	Shaffner, Henry L.	SJ-1353	dom	50		
32.13.15.21	Townsend, Glen L.	SJ-1549	dom, stk	47		
32.13.22.314	Robinson, Glen D.	SJ-0922	dom	27		
32.13.22.41	Mahon, Frank	SJ-0736	dom	40		
32.13.22.411	Anderson, Virgil K.	SJ-0339	dom	50		
32.13.22.413	Anderson, Virgil K.	SJ-0340	irr	85		
32.13.28.314	Black Diamond Coal	SJ-1285	exp.	640	440-640	
32.13.34.33	Burris, Harry J.	SJ-1079	dom, stk	100	40-100	

Table 3.--Descriptions of streamflow-gaging stations and periods of discharge records for San Juan County and some adjacent areas

Descriptions of 39 streamflow-gaging stations are listed in table 3. Each station (1 through 39) is numbered to correspond with the station numbers shown on plate 1. Twenty-one of the stations were active in 1984 and the remainder were in use at various times in the past. The stations are located on the Animas, Chaco, La Plata, and San Juan Rivers, and their tributaries which flow through San Juan County. Twenty-eight of the stations are located in San Juan County, New Mexico, four in McKinley County, New Mexico, six in Colorado, and one in Utah. The descriptions include a detailed location, the size of the drainage area upstream from the station, the period of record, the type and altitude of the gage, miscellaneous remarks concerning the quality of the record and the availability of water-quality data, and the average and extreme discharges. Daily discharges are given for the 1982 water year (October 1, 1981, through September 30, 1982) or the last year of record for a discontinued station. The stations listed in the table are the principal collection sites for surface-water data published by the U.S. Geological Survey.

COLORADO RIVER BASIN

SAN JUAN RIVER BASIN

(1) 09346400 SAN JUAN RIVER NEAR CARRACAS, CO

LOCATION.--Lat 37°00'49", long 107°18'42", in SE¼SW¼ sec.17, T.32 N., R.4 W., Archuleta County, Hydrologic Unit 14080101, on right bank just upstream from flow line of Navajo Reservoir, 3 mi (5 km) northwest of Carracas, 7.2 mi (11.6 km) upstream from Piedra River, and at mile 332.8 (535.5 km).

DRAINAGE AREA.--1,230 mi² (3,190 km²), approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,090 ft (1,856 m), from river-profile map.

REMARKS.--Records good except those for winter period and those for period of no gage-height record, which are poor. Diversions for irrigation of about 11,000 acres (45 km²) above station. Highwater diversions above station into Rio Grande Basin through Azotea tunnel (08284160) began in March 1971. Several observations of specific conductance and water temperature were obtained and are published in Water Resources Data for Colorado.

AVERAGE DISCHARGE.--9 years (water years 1962-70), 632 ft³/s (17.90 m³/s), 457,900 acre-ft/yr (565 hm³/yr) prior to completion of Azotea tunnel.

12 years (water years 1971-82), 566 ft³/s (16.03 m³/s), 410,100 acre-ft/yr (506 hm³/yr) since completion of Azotea tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,730 ft³/s (276 m³/s) Sept. 6, 1970, gage height, 8.34 ft (2.542 m), from rating curve extended above 6,000 ft³/s (170 m³/s) on basis of slope-area measurement of peak flow; minimum, about 5 ft³/s (0.1 m³/s) Dec. 10, 1961, result of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909; Oct. 5, 1911; June 29, 1927.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (71 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 12	1400	*5070 144	6.10 1.859	May 3	0830	3930 111	5.79 1.765
Apr. 13	0330	2760 78.2	4.96 1.512	Aug. 25	1500	3550 101	5.28 1.609

Minimum daily discharge, 111 ft³/s (3.14 m³/s) Dec. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	300	145	160	140	230	898	2170	2140	1490	588	594
2	245	291	145	150	130	250	1250	2300	2050	1640	512	529
3	1170	291	142	140	130	250	802	3260	2050	1450	501	469
4	582	283	142	130	130	230	1300	2790	1820	1560	448	448
5	485	279	138	140	120	200	1630	2550	1900	1450	412	650
6	432	275	138	150	120	190	1470	2220	1700	1240	369	512
7	407	287	135	150	120	214	969	1670	1590	1060	360	474
8	379	329	132	140	130	218	802	1450	1670	845	360	564
9	407	296	132	140	130	260	734	1430	1720	898	356	422
10	360	279	132	140	130	296	802	1400	1790	913	325	398
11	342	264	130	150	130	438	994	1430	1790	860	347	485
12	490	260	130	160	130	3110	1830	1360	1810	754	379	1030
13	754	253	130	150	130	1380	2020	1300	1900	594	398	1470
14	838	242	130	140	130	1240	1830	1150	1900	600	524	1500
15	740	235	132	140	140	961	1780	961	1830	613	507	1260
16	1030	228	148	140	140	689	1620	890	1670	564	512	1470
17	838	224	153	140	140	663	1420	882	1740	607	469	1750
18	702	221	115	140	130	663	1390	890	1740	570	467	1370
19	657	207	111	140	140	553	1320	1040	1840	541	393	1240
20	619	156	140	150	150	427	1210	1160	1620	588	417	1410
21	582	159	176	140	160	398	1010	1460	1460	541	417	1540
22	529	156	170	140	180	388	875	1810	1420	507	469	1210
23	490	165	128	130	220	427	708	1590	1450	463	644	994
24	458	165	118	120	240	501	708	1520	1480	427	1850	852
25	427	165	120	120	220	619	631	1550	1550	417	2450	728
26	388	142	140	130	210	781	644	1680	1490	438	2200	663
27	379	145	160	140	210	781	669	2150	1430	422	1570	594
28	369	145	130	140	210	875	747	1900	1530	570	1350	594
29	356	142	150	140	---	1230	1070	2200	1530	607	921	570
30	342	142	150	130	---	650	1270	2270	1400	728	728	607
31	320	---	160	130	---	535	---	2000	---	781	760	---
TOTAL	16305	6726	4302	4350	4290	19647	34403	52433	51010	24738	21943	26397
MEAN	526	224	139	140	133	634	1147	1691	1700	796	708	880
MAX	1170	329	176	160	240	3110	2020	3260	2140	1640	2450	1750
MIN	188	142	111	120	120	190	631	882	1400	417	325	398
AC-FT	32340	13340	9530	8630	8510	38970	68240	104000	101200	49070	43520	52360

CAL YR 1981 TOTAL 125012 MEAN 342 MAX 1630 MIN 85 AC-FT 248000
WTR YR 1982 TOTAL 266544 MEAN 730 MAX 3260 MIN 111 AC-FT 528700

NOTE.--No gage-height record Jan. 4 to Feb. 9.

SAN JUAN RIVER BASIN

(2) 09349800 PIEDRA RIVER NEAR ARBOLES, CO

LOCATION.--Lat 37°05'18", long 107°23'50", in NE¼SW¼ sec.21, T.33 N., R.5 W., Archuleta County, Hydrologic Unit 14080102, on left bank 3 mi (5 km) downstream from Ignacio Creek, 5.2 mi (8.4 km) northeast of Arboles Post Office, and 8 mi (13 km) upstream from mouth.

DRAINAGE AREA.--629 mi² (1,629 km²).

PERIOD OF RECORD.--August 1962 to current year. Gage operated 1895-1899, 1910-1927 at a site 7.5 mi (12.1 km) downstream at altitude 6,000 ft (1,830 m). Low flow records probably not equivalent.

GAGE.--Water-stage recorder. Datum of gage is 6,147.52 ft (1,873.764 m) National Geodetic Vertical Datum of 1929, from Colorado State Highway Department bench mark.

REMARKS.--Records good except those for winter period and those for period of no-gage-height record, which are poor. Diversions for irrigation of about 2,800 acres (11 km²) above station. Several observations of specific conductance and water temperature were obtained and are published in Water Resources Data for Colorado.

AVERAGE DISCHARGE.--20 years, 372 ft³/s (10.54 m³/s), 269,500 acre-ft/yr (332 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,370 ft³/s (237 m³/s) Sept. 6, 1970, gage height, 6.38 ft (1.945 m) recorded, 7.55 ft (2.301 m) from floodmarks, from rating curve extended above 4,400 ft³/s (125 m³/s) on basis of slope-area measurement of peak flow; minimum, 11 ft³/s (0.31 m³/s) Dec. 9, 1963, Oct. 1, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909; Oct. 5, 1911.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft³/s (42 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Apr. 13	0200	*4060 115	4.88 1.487	Aug. 25	0130	3270 92.6	4.40 1.341
May 3	0800	2950 83.5	4.28 1.305				

Minimum daily discharge, 58 ft³/s (1.64 m³/s) Dec. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	202	92	80	75	110	470	1680	1420	836	194	400
2	97	184	96	75	65	120	552	1780	1400	748	170	340
3	304	177	92	70	70	120	516	2550	1380	628	252	290
4	298	174	86	65	65	110	705	2320	1300	540	217	290
5	245	167	90	70	60	95	916	2710	1320	486	188	326
6	245	161	88	75	60	90	980	2290	1220	430	164	303
7	217	164	82	75	60	95	748	1710	1070	395	184	313
8	205	177	84	75	65	100	726	1450	1100	370	188	265
9	253	167	84	70	70	110	684	1350	1120	345	177	270
10	225	158	86	70	70	130	756	1260	1160	312	164	260
11	217	152	92	75	70	180	1280	1230	1130	273	167	400
12	365	149	94	80	65	500	1900	1150	1110	261	188	750
13	540	143	88	75	65	480	2200	1080	1200	245	335	950
14	588	135	84	70	65	440	1900	956	1180	229	480	1000
15	528	132	76	65	70	410	1800	876	1110	209	410	850
16	684	130	80	70	70	380	1600	812	980	198	321	950
17	558	128	82	70	70	350	1400	796	1050	198	273	1100
18	470	122	67	70	70	321	1300	836	1020	188	257	950
19	430	108	86	75	70	277	1100	924	1140	191	257	850
20	410	99	90	75	75	229	1010	956	956	177	237	950
21	375	104	84	70	80	202	876	1160	868	164	225	1000
22	355	106	78	70	95	194	788	1340	812	161	237	850
23	326	104	61	65	110	198	719	1320	788	152	298	700
24	308	101	58	65	120	217	733	1240	780	143	747	550
25	290	101	60	65	100	261	705	1260	836	138	2210	500
26	265	97	65	65	100	350	684	1310	828	143	1310	450
27	253	90	80	70	100	355	677	1520	820	146	972	400
28	245	86	70	70	100	410	726	1350	844	177	820	390
29	233	106	65	70	---	570	1000	1540	836	249	990	380
30	221	97	75	65	---	420	1170	1500	748	241	650	400
31	205	---	80	70	---	380	---	1370	---	221	500	---
TOTAL	10052	4017	2455	2195	2155	8204	30621	43666	31526	9194	13802	17427
MEAN	324	134	80.2	70.8	77.0	265	1021	1409	1051	297	443	581
MAX	684	202	94	80	120	570	2200	2710	1420	836	2210	1100
MIN	97	86	58	65	60	90	470	796	748	138	164	260
AC-FT	19940	7970	4930	4330	4270	16270	60740	86610	62530	18240	27380	34570

CAL YR 1931 TOTAL 91073 MEAN 222 MAX 1280 MIN 46 AC-FT 160800
WTR YR 1982 TOTAL 175344 MEAN 460 MAX 2710 MIN 58 AC-FT 347800

NOTE.--No gage-height record Feb. 12 to Mar. 16.

SAN JUAN RIVER BASIN

(3) 9-3505. San Juan River at Rosa, N. Mex.

Location.--Lat 37°00'20", long 107°24'10", in SW¹/₄ sec.21, T.32 N., R.5 W., on right bank a quarter of a mile downstream from Piedra River and 0.9 mile upstream from Colorado-New Mexico State Line.

Drainage area.--1,990 sq mi, approximately.

Records available.--July to November 1895, May 1896 to December 1897, April to December 1898, May to September 1899, September 1910 to May 1965 (discontinued). Monthly discharge only for some periods, published in WSP 1313. Prior to October 1920, published as two stations, Piedra and San Juan Rivers at Arboles, Colo., sum of which is equivalent.

Gage.--Water-stage recorder. Datum of gage is 5,972 ft above mean sea level (National Park Service bench mark). Prior to Oct. 1, 1920, at sites on Piedra and San Juan Rivers at Arboles, Colo. (see WSP 1313 for descriptions). Oct. 1, 1920, to Apr. 12, 1922, chain gage at site 75 ft downstream at different datum. Apr. 13, 1922, to Sept. 18, 1930, water-stage recorder at site 550 ft upstream at datum 0.7 ft higher. Sept. 19, 1930, to Aug. 31, 1938, water-stage recorder at sites 330 and 430 ft upstream at datum 1.0 ft higher. Sept. 1, 1938, to Dec. 19, 1949, water-stage recorder at present site at datum 1.0 ft higher.

Average discharge.--55 years (1896-97, 1910-64), 1,193 cfs (863,700 acre-ft per year).

Extremes.--Maximum discharge during period, 9,880 cfs Apr. 24 (gage height, 7.70 ft); minimum, 69 cfs Dec. 15. 1920-64: Maximum discharge, about 25,000 cfs June 29, 1927 (gage height, 13.5 ft, from estimated graph, site and datum then in use), from rating curve extended above 8,000 cfs by logarithmic plotting; minimum, about 12 cfs Dec. 9, 1963, result of freezeup. Maximum flood known occurred Oct. 5, 1911. A major flood occurred Sept. 5 or 6, 1909.

Remarks.--Records good except those for periods of indefinite stage-discharge relation or doubtful gage-height record, which are fair. Diversions for irrigation of about 14,000 acres above station.

Discharge, in cubic feet per second, water year October 1964 to September 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	371	146	194	203	d 210	354	2,370	5,350				
2	326	146	216	190	d 220	284	2,820	6,580				
3	296	146	230	189	d 190	d 250	2,000	6,960				
4	273	144	216	188	d 190	d 220	1,920	6,620				
5	265	133	172	199	* 201	d 230	1,400	5,000				
6	* 245	132	127	203	232	d 250	1,110	4,360				
7	228	133	123	546	270	d 280	1,640	3,780				
8	221	130	* 111	955	252	* d 300	1,470	3,600				
9	216	127	136	397	237	335	1,850	3,020				
10	207	133	188	314	219	364	1,480	* 2,880				
11	207	146	190	276	192	350	1,100	2,590				
12	205	* 146	180	252	176	357	908	2,530				
13	194	133	133	* 237	143	326	1,360	* 3,400				
14	194	150	121	237	136	282	1,580	* 3,600				
15	190	174	97	228	172	314	1,440	* 3,400				
16	194	170	122	221	192	389	2,240	* 3,300				
17	192	228	176	226	190	350	3,080	* 4,200				
18	190	242	196	226	180	374	4,080	* 5,300				
19	190	219	188	230	* 200	326	4,670	* 6,000				
20	184	188	190	230	235	265	* 5,460	* 6,960				
21	180	157	203	232	242	265	6,080	7,380				
22	180	148	212	226	276	354	7,120	8,100				
23	168	163	212	207	314	389	7,260	7,140				
24	166	174	226	188	282	555	7,490	6,280				
25	163	170	242	203	232	478	6,150	5,020				
26	148	182	237	194	244	368	4,650	3,920				
27	144	212	235	172	291	546	3,840	3,360				
28	145	176	493	168	364	836	3,260	2,960				
29	* 145	157	311	192	-	1,080	3,100	2,850				
30	145	182	164	203	-----	1,230	3,780	3,300				
31	148	-----	176	220	-----	* 1,750	-----	3,500	-----			
Total	6,320	4,887	6,017	7,952	6,282	14,051	96,708	143,240				
Mean	204	163	194	257	224	453	3,224	4,621				
Ac-ft	12,540	9,690	11,930	15,770	12,460	27,870	191,800	284,100				

Calendar year 1964: Max 4,460 Min 85 Mean 592 Ac-ft 429,600
 Water year 1964-65: Max - Min - Mean - Ac-ft -

Peak discharge (base, 4,000 cfs)

Date	Time	Gage height	Discharge	Date	Time	Gage height	Discharge
4-24	0330	7.70	9,880	5-22	0730	7.29	8,960
5-3	0530	7.05	7,950				

* Discharge measurement made on this day.
 d Doubtful gage-height record.
 e Stage-discharge relation indefinite.

SAN JUAN RIVER BASIN

(4) 09354500 LOS PINOS RIVER AT LA BOCA, CO

LOCATION.--Lat 37°00'34", long 107°35'56", in NE¼NW¼ sec. 22, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on downstream end of right abutment of the Denver & Rio Grande Western Railroad Co. bridge, at southeast edge of La Boca, 0.1 mi (0.2 km) upstream from Spring Creek, and 13 mi (21 km) upstream from mouth.

DRAINAGE AREA.--510 mi² (1,320 km²), approximately.

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

GAGE.--Water-stage recorder. Datum of gage is 6,143.58 ft (1,872.563 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for winter period, which are fair. Flow regulated by Vallecito Reservoir (station 09353000) 24 mi (39 km) upstream since April 1941. Diversions for irrigation of about 33,000 acres (130 km²) above station. Several observations of specific conductance and water temperature were obtained and are published in Water Resources Data for Colorado.

AVERAGE DISCHARGE.--32 years, 214 ft³/s (6.060 m³/s), 155,000 acre-ft/yr (191 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,400 ft³/s (181 m³/s) July 27, 1957, gage height, 8.95 ft (2.728 m), from rating curve extended above 5,100 ft³/s (140 m³/s); minimum determined, 5.6 ft³/s (0.16 m³/s) May 1, 3, 1977 (may have been lower during periods of freezeup).

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred Oct. 5, 1911 at this location.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,260 ft³/s (35.7 m³/s) at 1100 hours May 12, gage height, 5.75 ft (1.753 m); minimum daily, 55 ft³/s (1.56 m³/s) Dec. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	151	163	74	90	154	133	270	214	466	187	222
2	266	151	154	74	90	256	139	302	202	604	187	178
3	571	151	151	70	82	406	122	355	194	664	198	151
4	230	148	151	65	85	310	142	322	194	640	184	154
5	181	148	151	70	80	178	166	604	206	460	172	190
6	145	148	151	75	80	130	163	940	214	302	172	187
7	120	163	92	80	85	133	139	916	214	218	194	210
8	118	160	78	75	85	151	130	1040	151	202	242	266
9	108	151	74	70	90	190	136	1150	346	202	230	278
10	100	151	74	75	90	234	136	1110	478	181	222	294
11	105	145	72	80	90	238	145	1130	664	178	250	598
12	125	133	72	80	98	916	214	1240	804	178	274	732
13	169	130	70	80	100	450	314	1220	812	166	342	616
14	125	136	68	75	105	424	294	1180	746	151	302	685
15	118	139	68	75	98	286	278	1160	466	139	266	294
16	151	139	68	75	95	258	258	1090	326	136	274	270
17	108	139	68	75	95	202	230	972	210	130	226	250
18	80	139	70	75	98	175	214	796	184	136	184	230
19	68	136	70	80	100	160	206	610	133	148	175	238
20	108	136	64	80	100	145	166	466	214	151	190	234
21	157	136	62	80	108	139	110	430	218	133	226	230
22	151	139	62	80	110	133	98	418	184	142	270	222
23	145	136	62	75	108	130	85	418	172	142	266	218
24	151	133	60	70	108	139	76	406	163	136	326	206
25	154	133	55	75	151	151	62	385	157	142	694	218
26	151	133	65	75	136	145	60	330	151	160	592	214
27	160	133	75	80	130	151	166	262	145	157	430	214
28	148	160	62	85	136	139	190	242	154	166	370	226
29	154	194	65	85	---	154	198	218	148	184	302	222
30	151	181	75	85	---	133	206	222	186	184	290	234
31	151	---	82	85	---	118	---	214	---	198	242	---
TOTAL	4805	4372	2654	2378	2823	6928	4976	20418	8650	7196	8479	8481
MEAN	155	146	85.6	76.7	101	223	166	659	288	232	274	283
MAX	571	194	163	85	151	916	314	1240	812	664	694	732
MIN	68	130	55	65	80	118	60	214	133	130	172	151
AC-FT	9530	8670	5260	4720	5600	13740	9870	40500	17160	14270	16820	16820

CAL YR 1981 TOTAL 42208 MEAN 116 MAX 571 MIN 35 AC-FT 83720
WTR YR 1982 TOTAL 62160 MEAN 225 MAX 1240 MIN 55 AC-FT 163000

SAN JUAN RIVER BASIN

(5) 09355000 SPRING CREEK AT LA BOCA, CO

LOCATION.--Lat 37°00'40", long 107°35'47", in SE1/4 sec.15, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on right bank in an excavated channel, 0.2 mi (0.3 km) upstream from mouth, and 0.2 mi (0.3 km) east of La Boca.

DRAINAGE AREA.--58 mi² (150 km²), approximately.

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

GAGE.--Water-stage recorder. Altitude of gage is 6,160 ft (1,878 m), from topographic map.

REMARKS.--Records good except those for winter period and those for period of no gage-height record, which are poor. Part of flow is return waste from irrigation. Several observations of specific conductance and water temperature were obtained and are published in Water Resources Data for Colorado.

AVERAGE DISCHARGE.--32 years, 30.6 ft³/s (0.867 m³/s), 22,170 acre-ft/yr (27.3 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980 ft³/s (56.1 m³/s) Sept. 6, 1970, gage height, 4.62 ft (1.408 m), from rating curve extended above 160 ft³/s (4.53 m³/s) on basis of field estimate of peak flow; maximum gage height, 5.98 ft (1.823 m) Mar. 9, 1960 (backwater from ice); minimum discharge, 0.6 ft³/s (0.017 m³/s) Nov. 27, 1959.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 180 ft³/s (5.1 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 3	0800	329 9.32	1.93 0.588	Sept. 12	1200	308 8.72	1.88 0.573
May 2	1830	271 7.67	1.63 0.497	Sept. 14	0200	*470 13.3	2.30 0.701
Aug. 25	0900	193 5.47	1.47 0.448				

Minimum daily discharge, 2.6 ft³/s (0.074 m³/s) Dec. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	4.8	4.0	3.4	3.4	69	7.8	33	57	67	80	55
2	114	4.8	3.8	3.2	3.2	170	7.8	25	57	62	84	55
3	213	4.8	3.6	3.0	3.2	176	5.6	26	54	57	84	54
4	67	5.2	3.6	3.0	3.2	108	6.1	27	52	57	82	50
5	59	5.2	4.2	3.0	3.0	64	7.4	32	60	55	80	60
6	55	5.2	4.0	3.2	3.0	40	6.1	27	62	59	72	55
7	55	6.5	4.2	3.2	3.0	37	5.6	27	62	60	76	59
8	54	6.5	4.2	3.0	3.2	40	5.2	24	57	62	86	78
9	52	5.2	4.2	3.0	3.4	39	4.8	34	60	64	92	72
10	50	5.2	4.2	3.2	3.4	40	4.4	27	60	64	82	66
11	55	5.2	4.6	3.2	3.4	34	4.4	26	69	66	90	143
12	57	4.8	4.4	3.2	3.4	96	6.1	37	67	67	94	179
13	60	4.8	4.2	3.4	3.2	34	11	43	69	60	110	144
14	57	4.8	3.6	3.6	3.4	57	9.2	39	69	59	102	181
15	45	4.8	3.6	3.2	3.6	22	7.4	36	66	60	94	47
16	39	4.8	3.8	3.2	4.0	17	6.9	37	62	62	108	45
17	27	4.8	3.4	3.2	4.4	11	6.5	37	60	69	92	50
18	25	4.4	3.0	3.2	4.8	8.5	6.1	34	57	74	80	34
19	24	4.0	3.2	3.4	6.0	7.8	6.1	40	52	71	84	34
20	23	5.2	3.8	3.6	7.0	7.4	6.5	43	54	69	94	37
21	17	4.8	4.0	3.6	9.0	6.5	34	52	62	67	94	37
22	6.5	4.4	3.6	3.4	11	6.1	6.9	59	57	67	100	37
23	6.1	4.4	3.2	3.2	18	5.6	6.9	60	59	82	88	39
24	5.6	4.4	2.6	3.2	14	5.6	6.5	60	62	66	104	39
25	5.2	4.0	2.8	3.2	30	5.6	6.5	60	60	71	140	39
26	5.2	4.0	3.0	3.2	50	6.9	6.5	57	59	88	74	37
27	5.2	3.6	3.6	3.4	69	10	6.9	59	59	88	62	32
28	5.2	4.2	3.0	3.6	71	8.5	12	62	62	98	59	32
29	5.2	4.0	3.2	3.6	---	9.2	11	60	60	82	57	32
30	4.8	4.0	3.6	3.4	---	7.8	26	60	60	80	59	34
31	4.8	---	3.6	3.4	---	6.9	---	60	---	82	59	---
TOTAL	1268.8	142.8	113.8	101.6	347.2	1156.4	254.2	1303	1806	2135	2662	1856
MEAN	40.9	4.76	3.67	3.28	12.4	37.3	8.47	42.0	60.2	68.9	85.5	61.9
MAX	213	6.5	4.6	3.6	71	176	34	62	69	98	140	181
MIN	4.8	3.6	2.6	3.0	3.0	5.6	4.4	24	52	55	57	32
AC-FT	2520	283	226	202	689	2290	504	2580	3530	4230	5280	3680

CAL YR 1981 TOTAL 12221.4 MEAN 33.5 MAX 213 MIN 2.0 AC-FT 24240
WTR YR 1982 TOTAL 13146.8 MEAN 36.6 MAX 213 MIN 2.6 AC-FT 26080

NOTE.--No gage-height record Nov. 22 to Jan. 3.

SAN JUAN RIVER BASIN

(6) 09355100 NAVAJO RESERVOIR NEAR ARCHULETA, NM

LOCATION.--Lat 36°48'28", long 107°36'31", in SW¼SE¼ sec.18, T.30 N., R.7 W., San Juan County, Hydrologic Unit 14080101, in gate shaft of outlet works structure near right abutment of Navajo Dam on San Juan River, 5.5 mi (8.8 km) east of Archuleta, 33 mi (53 km) east of Farmington, and at mile 298.6 (480.4 km).

DRAINAGE AREA.--3,230 mi² (8,370 km²), approximately.

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

PERIOD OF RECORD.--June 1962 to current year. Prior to October 1968 dead storage included.

REMARKS.-- Reservoir is formed by earth-rock-fill dam, completed in June 1963; storage began June 27, 1962. Capacity, 1,708,600 acre-ft (2.11 km³) between elevation 5,720 ft (1,743 m) upstream toe of dam and 6,085 ft (1,855 m) crest of spillway. Usable capacity 1,696,000 acre-ft (2.09 km³) above elevation 5,774.9 ft (1,760.19 m) minimum operating level. Dead storage below elevation 5,774.9 ft (1,760.19 m) is 12,600 acre-ft (15.5 hm³). Figures given herein are usable contents. Reservoir is used for irrigation storage, river regulation, desilting, flood control, and recreation.

COOPERATION.--Records furnished by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 1,731,000 acre-ft (2.13 km³) July 2-4, 1973, elevation, 6,087.25 ft (1,855.394 m); minimum daily contents after June 1964 (initial filling period), 234,300 acre-ft (289 hm³) Mar. 10, 11, 1965, elevation, 5,906.36 ft (1,800.259 m).

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 1,507,000 acre-ft (1.86 km³) Sept. 27, elevation, 6,072.21 ft (1,850.810 m); minimum daily contents, 1,201,000 acre-ft (1.48 km³) Feb. 22-24, elevation, 6,048.22 ft (1,843.497 m).

Capacity table (elevation, in feet and contents, in thousands of acre-feet)

6,015	864.5	6,035	1,056.7	6,055	1,281.3	6,075	1,546.2
6,020	910.1	6,040	1,109.4	6,060	1,343.5	6,080	1,619.5
6,025	957.2	6,045	1,164.3	6,065	1,408.3	6,085	1,696.0
6,030	1,006.0	6,050	1,221.6	6,070	1,475.8	6,090	1,775.7

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1247000	1259000	1255000	1234000	1209000	1203000	1239000	1288000	1402000	1465000	1452000	1463000
2	1245000	1258000	1255000	1233000	1209000	1204000	1240000	1292000	1405000	1467000	1452000	1462000
3	1246000	1258000	1254000	1233000	1208000	1205000	1241000	1297000	1408000	1468000	1451000	1461000
4	1248000	1257000	1254000	1232000	1207000	1207000	1243000	1306000	1411000	1469000	1450000	1461000
5	1250000	1257000	1253000	1232000	1207000	1208000	1245000	1312000	1414000	1471000	1449000	1460000
6	1250000	1257000	1253000	1231000	1207000	1207000	1248000	1321000	1416000	1473000	1448000	1459000
7	1250000	1258000	1252000	1230000	1206000	1208000	1250000	1328000	1418000	1474000	1447000	1459000
8	1250000	1258000	1252000	1230000	1206000	1208000	1251000	1332000	1420000	1475000	1445000	1458000
9	1249000	1259000	1251000	1229000	1205000	1208000	1252000	1336000	1422000	1475000	1444000	1457000
10	1249000	1259000	1251000	1228000	1205000	1208000	1254000	1339000	1424000	1475000	1443000	1457000
11	1248000	1260000	1251000	1227000	1205000	1209000	1255000	1343000	1427000	1475000	1442000	1459000
12	1248000	1260000	1250000	1226000	1204000	1213000	1257000	1346000	1430000	1476000	1441000	1462000
13	1248000	1260000	1250000	1225000	1204000	1222000	1263000	1350000	1433000	1476000	1441000	1464000
14	1250000	1260000	1249000	1225000	1204000	1227000	1267000	1353000	1437000	1474000	1441000	1470000
15	1251000	1260000	1248000	1224000	1203000	1231000	1271000	1356000	1440000	1473000	1441000	1474000
16	1253000	1260000	1247000	1223000	1203000	1233000	1275000	1358000	1442000	1472000	1441000	1478000
17	1255000	1260000	1247000	1222000	1202000	1234000	1278000	1360000	1444000	1471000	1440000	1482000
18	1257000	1259000	1246000	1221000	1202000	1235000	1281000	1362000	1446000	1469000	1440000	1486000
19	1258000	1259000	1245000	1220000	1202000	1235000	1282000	1363000	1448000	1467000	1439000	1489000
20	1259000	1259000	1244000	1219000	1202000	1235000	1284000	1365000	1450000	1466000	1438000	1492000
21	1260000	1259000	1244000	1219000	1202000	1234000	1286000	1366000	1452000	1465000	1438000	1497000
22	1260000	1258000	1243000	1218000	1201000	1233000	1286000	1367000	1454000	1463000	1438000	1500000
23	1260000	1258000	1242000	1217000	1201000	1233000	1285000	1369000	1455000	1462000	1437000	1503000
24	1261000	1257000	1241000	1216000	1201000	1232000	1284000	1370000	1456000	1461000	1439000	1504000
25	1261000	1257000	1240000	1215000	1202000	1232000	1284000	1376000	1458000	1459000	1442000	1506000
26	1261000	1257000	1239000	1214000	1203000	1233000	1284000	1380000	1459000	1458000	1450000	1506000
27	1260000	1256000	1238000	1213000	1203000	1234000	1283000	1383000	1460000	1457000	1455000	1507000
28	1260000	1256000	1237000	1212000	1203000	1235000	1283000	1387000	1462000	1455000	1457000	1506000
29	1261000	1256000	1236000	1211000	---	1236000	1283000	1391000	1463000	1454000	1460000	1506000
30	1260000	1256000	1236000	1210000	---	1238000	1284000	1394000	1464000	1454000	1462000	1506000
31	1259000	---	1235000	1210000	---	1238000	---	1398000	---	1453000	1462000	---
MAX	1261000	1260000	1255000	1234000	1209000	1238000	1286000	1398000	1464000	1476000	1462000	1507000
MIN	1245000	1256000	1235000	1210000	1201000	1203000	1239000	1286000	1402000	1453000	1437000	1457000
(+)	6055.13	6052.85	6051.10	6048.95	6048.36	6051.38	6055.18	6064.18	6069.11	6068.30	6068.99	6072.14
(++)	+11000	-3000	-21000	-25000	-7000	+35000	+46000	+114000	+86000	-11000	+9000	+44000

CAL YR 1981 MAX 1390000 MIN 1220000 (++) - 147000
WTR YR 1982 MAX 1507000 MIN 1201000 (++) + 258000

(+) ELEVATION, IN FEET, AT END OF MONTH
(++) CHANGE IN CONTENTS, IN ACRE-Feet

SAN JUAN RIVER BASIN

(7) 09355500 SAN JUAN RIVER NEAR ARCHULETA, NM

LOCATION.--Lat 36°48'05", long 107°41'51", in N½ sec.20, T.30 N., R.8 W., San Juan County, Hydrologic Unit 14080101, on left bank 0.5 mi (0.8 km) upstream from Gobernador Canyon, 0.8 mi (1.3 km) northeast of Archuleta, 7.2 mi (11.6 km) downstream from Navajo Dam, and at mile 291.4 (468.9 km).

DRAINAGE AREA.--3,260 mi² (8,440 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1954 to current year.

REVISED RECORDS.--The annual runoff for the 1958 water year as published in table 2, WSP 1733, is 455,000 acre-ft (561 hm³). The correct value is 1,455,000 acre-ft (1,790 hm³).

GAGE.--Water-stage recorder. Altitude of gage is 5,653 ft (1,723 m), from river-profile survey. Prior to Dec. 29, 1959, at site 5.0 mi (8.0 km) upstream at altitude 55 ft (17 m) higher. Dec. 29, 1959 to Nov. 15, 1964, at site 0.4 mi (0.6 km) upstream at altitude 5 ft (1.5 m) higher. Prior to Nov. 28, 1966, at altitude 2.0 ft (0.610 m) higher.

REMARKS.--Water-discharge records good. Flow completely regulated by Navajo Reservoir (station 09355100) 7 mi (11 km) upstream except for minor inflow from 30 mi² (80 km²) intervening drainage area. Highwater diversions through Azotea tunnel (station 08284160) into Rio Grande Basin began in March 1971. Diversions for irrigation of about 47,000 acres (190 km²) above station. Releases from Navajo Reservoir, beginning in January 1976, for use on Navajo Indian Irrigation Project bypass gage in tunnel on left bank. See tabulation below for monthly and annual releases as furnished by Bureau of Reclamation.

AVERAGE DISCHARGE.--7 years (water years 1956-62), 1,304 ft³/s (36.93 m³/s), 944,700 acre-ft/yr (1,160 hm³/yr) prior to closure of Navajo Dam.

20 years (water years 1963-82), 1,090 ft³/s (30.87 m³/s), 789,700 acre-ft/yr (974 hm³/yr) since closure of Navajo Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,900 ft³/s (535 m³/s) July 27, 1957, gage height, 11.00 ft (3.353 m), site and datum then in use; minimum determined, 8 ft³/s (0.23 m³/s) Feb. 28, 1963. Maximum discharge since construction of Navajo Dam in 1962, 6,500 ft³/s (184 m³/s) June 20, 1965, gage height, 4.57 ft (1.393 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,400 ft³/s (68.0 m³/s) Aug. 21, gage height, 5.11 ft (1.558 m); minimum daily, 468 ft³/s (13.3 m³/s) Feb. 5-7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	934	900	564	642	625	483	934	1920	1820	1520	1030	1070
2	956	900	564	644	626	491	933	1910	1830	1530	1040	1080
3	951	900	564	648	573	498	932	1910	1830	1530	1030	1080
4	948	840	564	651	472	490	935	1920	1820	1530	1030	1090
5	962	740	560	656	468	483	940	1920	1830	1530	1040	1090
6	944	640	569	656	468	483	940	1910	1830	1540	1050	1100
7	988	560	572	657	468	484	940	1910	1840	1470	1050	1100
8	1010	530	573	662	472	483	973	1910	1840	1180	1060	1100
9	1010	530	578	663	470	485	1060	1920	1850	1080	1010	1090
10	1020	530	585	663	474	479	1060	1930	1850	1080	868	1100
11	1020	530	588	662	478	482	1060	1930	1860	1090	910	1100
12	1030	530	590	668	471	552	1110	1930	1860	1090	940	1100
13	971	530	596	670	474	611	1290	1930	1860	1090	950	1100
14	856	530	600	670	474	614	1480	1930	1860	1100	970	1110
15	790	530	600	671	474	683	1540	1930	1870	1100	980	1110
16	791	530	602	672	476	820	1540	1940	1860	1110	1000	1110
17	791	530	606	676	479	909	1540	1940	1850	1110	910	1110
18	803	530	606	679	478	941	1550	1940	1710	1110	1080	1110
19	801	530	606	681	479	940	1540	1940	1480	1120	1120	1110
20	812	530	609	684	481	930	1550	1940	1480	1120	1070	1110
21	809	530	611	689	479	934	1600	1860	1490	1120	1160	1110
22	809	530	616	692	479	934	1830	1800	1490	1120	1050	1120
23	819	530	618	694	480	933	1920	1790	1500	1110	1030	1120
24	820	530	618	692	482	938	1930	1790	1500	1110	1050	1110
25	830	530	620	694	492	932	1930	1800	1500	1120	1040	1120
26	822	530	624	702	485	936	1930	1810	1500	1120	1050	1120
27	825	530	622	704	483	936	1930	1810	1500	1120	1050	1120
28	825	530	630	704	484	935	1940	1820	1510	1130	1050	1110
29	825	530	630	675	---	937	1940	1810	1510	1120	1060	1110
30	825	530	630	621	---	926	1930	1810	1510	1100	1060	1120
31	825	---	633	622	---	931	---	1820	---	1030	1070	---
TOTAL	27422	17670	13548	20764	13744	22613	42727	58430	51040	37230	31808	33130
MEAN	885	589	598	670	491	729	1424	1885	1701	1201	1026	1104
MAX	1030	900	633	704	626	941	1940	1940	1870	1540	1160	1120
MIN	790	530	560	621	468	479	932	1790	1480	1030	868	1070
AC-FT	54390	35050	36790	41190	27260	44650	84750	115900	101200	73850	63090	65710

CAL YR 1981 TOTAL 290634 MEAN 796 MAX 1830 MIN 371 AC-FT 576500
WTR YR 1982 TOTAL 375126 MEAN 1028 MAX 1940 MIN 468 AC-FT 744100

SAN JUAN RIVER BASIN

(8) 09356565 CANON LARGO WASH NEAR BLANCO, NM

LOCATION.--Lat 36°41'24", long 107°45'21", in NW¼NW¼ sec.35, T.29 N., R.9 W., San Juan County, Hydrologic Unit 14080103, on left bank, at upstream side of country highway bridge, 1.2 mi (1.9 km) upstream from Medina Canyon, 4.0 mi (6.4 km) upstream from mouth, and 5.0 mi (8.0 km) southeast of Blanco.

DRAINAGE AREA.--1,700 mi² (4,400 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,644 ft (1,720 m), from topographic map.

REMARKS.--Water-discharge records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,970 ft³/s (141 m³/s) Mar. 8, 1979, gage height, 3.70 ft (1.128 m), from rating curve extended above 620 ft³/s (18 m³/s); maximum gage height, 5.90 ft (1.798 m) July 1, 1981; no flow for many days.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
July 1	unknown	*3,200	90.6	5.90	1.798	July 26	2000	1,630	46.2	4.61	1.405
July 9	2315	1,060	30.0	3.99	1.216	Sept. 8	0130	2,020	57.2	5.00	1.524
July 15	0715	1,950	55.2	4.92	1.500						

No flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.04	.03	.07	.08	.92	.15	.00	.02	631	.00	.00
2	.00	.03	.04	.06	.01	1.4	.03	.00	.03	59	.00	.00
3	.00	.04	.02	.08	.05	1.6	.02	.00	.02	5.0	.00	.00
4	.00	.05	.03	.07	.07	.89	.03	.00	.00	1.0	.00	1.7
5	.00	.05	.02	.05	.05	.90	.06	.00	.00	.10	.00	140
6	.00	.05	.03	.04	.10	.75	.04	.00	.00	.00	.00	137
7	.00	.05	.08	.04	.11	.71	.00	.00	.00	.00	.00	76
8	.00	.05	.03	.03	.12	.70	.00	.00	.00	.02	18	276
9	.00	.05	.02	.03	.15	.64	.00	.00	.00	69	.00	.85
10	.00	.05	.03	.03	.19	.64	.02	.01	.00	72	57	37
11	.00	.05	.02	.02	.20	1.1	.03	.00	.00	185	2.8	32
12	.00	.05	.06	.02	.22	.80	.04	.01	.00	121	1.2	67
13	.00	.05	.02	.02	.26	.64	.04	.01	.00	34	.58	12
14	.00	.05	.02	.02	.28	1.4	.04	.01	.00	.53	.15	24
15	.06	.06	.01	.01	.30	.96	.06	.00	.00	176	.00	11
16	.05	.05	.02	.01	.33	6.2	.04	.09	.00	35	.00	.00
17	.03	.05	.02	.01	.35	1.6	.02	.07	.00	28	1.4	.00
18	.02	.05	.02	.01	.35	.84	.10	.02	.00	1.2	96	.00
19	.01	.06	.02	.01	.39	.93	.07	.00	.00	.04	.00	.00
20	.00	.01	.02	.02	.43	.78	.03	.00	.00	.00	.00	.00
21	.00	.05	.02	.02	.52	.96	.02	.00	.00	.00	.00	.00
22	.00	.06	.02	.02	.53	.60	.00	.00	.00	.00	.00	.00
23	.00	.05	.01	.03	.53	.39	.00	.00	.00	.00	.00	.00
24	.00	.05	.02	.09	.64	.31	.00	.00	.00	.00	.00	.00
25	.00	.04	.02	.06	.58	.32	.00	.00	.00	.00	.00	.00
26	.00	.03	.03	.03	.68	.24	.00	.00	.00	91	.00	.00
27	.08	.03	.03	.05	.84	.31	.00	.00	.00	4.5	.00	.00
28	.06	.04	.03	.10	.86	.52	.00	.00	.00	.00	.00	.00
29	.04	.04	.04	.11	---	.33	.00	.06	.00	.00	.00	.00
30	.04	.04	.05	.08	---	.31	.00	.01	48	.00	.00	.00
31	.04	---	.05	.15	---	.18	---	.01	---	.00	.00	---
TOTAL	.43	1.37	.88	1.39	9.22	28.87	.84	.30	48.07	1513.39	177.13	814.55
MEAN	.014	.046	.028	.045	.33	.93	.028	.010	1.60	48.8	5.71	27.2
MAX	.08	.06	.08	.15	.86	6.2	.15	.09	48	631	96	276
MIN	.00	.01	.01	.01	.01	.18	.00	.00	.00	.00	.00	.00
AC-FT	.9	2.7	1.7	2.8	18	57	1.7	.6	95	3000	351	1620

CAL YR 1980 TOTAL 2588.20 MEAN 7.07 MAX 618 MIN .00 AC-FT 5130
WTR YR 1981 TOTAL 2596.44 MEAN 7.11 MAX 631 MIN .00 AC-FT 5150

SAN JUAN RIVER BASIN

(9) 9-3570. San Juan River at Bloomfield, N. Mex.

Location.--Lat 36°42'00", long 107°59'10", in NW¼ sec. 27, T.29 N., R.11 W., on downstream end of bridge pier on State Highway 44 three-quarters of a mile south of Bloomfield, 3 miles upstream from Kutz Canyon, and 10 miles downstream from Canyon Largo.

Drainage area.--5,410 sq mi, approximately.

Records available.--January 1910 to September 1911, August 1927 to December 1931, November 1955 to January 1964 (discontinued). Monthly discharge only for some periods, published in WSP 1313.

Gage.--Water-stage recorder. Altitude of gage is 5,405 ft (from river-profile map). Prior to Apr. 3, 1910, staff gage and Apr. 3, 1910, to Oct. 3, 1911, water-stage recorder, at same site at different datum. July 27, 1927, to Dec. 19, 1931, water-stage recorder at same site at different datum.

Average discharge.--12 years (1910-11, 1927-31, 1956-63), 1,440 cfs (1,043,000 acre-ft per year).

Extremes.--Maximum discharge during period October to January, 2,190 cfs Oct. 19 (gage height, 5.35 ft); minimum, 220 cfs Oct. 1, 7. 1910-11, 1927-31, 1955-64: Maximum discharge determined, 20,500 cfs July 27, 1957; maximum gage height, 11.50 ft Aug. 11, 1929, site and datum then in use (discharge not determined); minimum daily discharge determined, 50 cfs Sept. 15, 1956. Maximum flood known reached a stage of 12 ft Oct. 6, 1911, datum then in use (discharge, 80,000 cfs, estimated). Another major flood occurred Sept. 6, 1909.

Remarks.--Records poor. Since June 1962 flow can be substantially controlled by operation of Navajo Reservoir. Diversions above station for irrigation of about 52,000 acres, 2,000 of which is below station. Citizens ditch bypasses gage on right bank, observed discharges, in cfs, for period are as follows: Oct. 15, 31 cfs; Nov. 13, 24 cfs. Hammond Main Canal bypasses gage on left bank, observed discharge, in cfs, for period is as follows: Oct. 15, 7.4 cfs. The bypass flow is not included in the record. Land formerly irrigated by Kutz Canyon diversion is now irrigated by Hammond Main Canal.

Discharge, in cubic feet per second, water year October 1963 to September 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	260	402	360	402								
2	260	402	370	402								
3	280	402	380	402								
4	280	390	380	402								
5	280	380	380	390								
6	280	380	370	400								
7	280	380	370	414								
8	280	380	370	410								
9	280	370	370	350								
10	*300	360	370	-								
11	324	360	*379	-								
12	324	357	370	--								
13	324	368	370	-								
14	346	379	370	-								
15	*357	368	370	-								
16	357	368	370	-								
17	313	370	370	-								
18	346	370	370	-								
19	790	379	370	-								
20	770	370	370	-								
21	510	370	370	-								
22	474	370	370	-								
23	426	370	380	-								
24	402	370	390	-								
25	380	370	390	-								
26	380	370	390	-								
27	380	360	402	-								
28	380	350	402	-								
29	*380	350	402	-								
30	379	350	402	-								
31	379	-----	390	-	-----		-----		-----			-----
Total	11,501	11,165	11,717	-								
Mean	371	372	380	-								
Ac-ft	22,810	22,150	23,240	-								

Calendar year 1963: Max 1,240 Min 60 Mean 274 Ac-ft 198,400
 Water year 1963-64: Max - Min - Mean - Ac-ft -

Peak discharge (base, 6,000 cfs).--Flow regulated since June 1962.

* Discharge measurement made on this day.

Note.--Doubtful gage-height record, Oct. 25-29, Nov. 5-10, 20, 21; stage-discharge relation indefinite Nov. 17, 18, Nov. 22 to Dec. 10, Dec. 12-23.

SAN JUAN RIVER BASIN

(10) 09357100 SAN JUAN RIVER AT HAMMOND BRIDGE, NEAR BLOOMFIELD, NM

LOCATION.--Lat 36°41'22", long 108°05'42", in NE¼NE¼ sec.33, T.29 N., R.12 W., San Juan County, Hydrologic Unit 14080101, on downstream end of center pier of Hammond Bridge, 0.9 mi (1.4 km) south of State Highway 17, 1.2 mi (1.9 km) upstream from Gallegos Canyon, 4.1 mi (6.6 km) downstream from Kutz Canyon, 5.0 mi (8.0 km) southwest of Bloomfield and at mile 261 (420 km).

DRAINAGE AREA.--5,540 mi² (14,350 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1910 to September 1911, August 1927 to December 1931, November 1955 to January 1964 (published as "at Bloomfield"), October 1977 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,330 ft (1,625 m), from topographic map. See WSP 1925 for history of changes prior to Oct. 1, 1977. Oct. 1, 1977 to May 3, 1978, at site 6.5 mi (10.5 km) upstream at different datum.

REMARKS.--Water-discharge records fair. Since June 1962 flow can be substantially controlled by operation of Navajo Reservoir (station 09355100) 41 mi (66 km) upstream. Diversions above station for irrigation about 80 mi² (207 km²). Hammond Main Canal bypasses gage on left bank. The bypass flow is not included in the record.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge determined, 20,500 ft³/s (581 m³/s) July 27, 1957; maximum gage height, 11.50 ft (3.505 m) Aug. 11, 1929, site and datum then in use (discharge not determined); minimum daily, 50 ft³/s (1.42 m³/s) Sept. 15, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in October 1911 at this station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,150 ft³/s (118 m³/s) July 1, gage height, 5.42 ft (1.652 m); minimum daily discharge, 291 ft³/s (8.24 m³/s) May 12.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	946	1180	1560	1770	1190	735	492	311	424	2970	582	741
2	947	1200	1560	1780	1180	744	449	491	422	1480	564	737
3	948	1210	1580	1770	1190	780	470	414	477	772	552	742
4	952	1210	1680	1780	1190	752	466	315	495	800	546	747
5	958	1230	1720	1780	1190	751	477	306	452	779	577	874
6	380	1230	1340	1780	1200	760	478	301	446	737	735	865
7	390	1240	978	1770	1200	766	472	301	445	800	659	776
8	959	1250	654	1780	1210	765	475	318	443	779	704	1100
9	981	1290	470	1770	1240	800	463	372	438	779	676	780
10	1010	1320	445	1770	1230	797	449	322	427	949	834	763
11	1020	1360	440	1770	1230	833	441	306	419	880	773	827
12	700	1350	416	1780	1230	826	434	291	414	962	723	807
13	800	1360	508	1800	1240	812	438	308	418	970	706	804
14	1010	1380	980	1780	1250	871	431	299	413	745	687	830
15	1080	1440	1520	1770	1260	884	436	371	407	710	697	823
16	1050	1520	1500	1780	1260	846	426	465	396	930	696	818
17	1040	1530	1510	1780	1260	833	419	493	388	800	703	852
18	1080	1460	1530	1780	1210	819	447	451	377	720	769	870
19	1080	1470	1570	1780	938	795	464	443	376	700	703	865
20	1090	1480	1770	1780	939	823	438	440	369	588	705	882
21	1080	1480	1780	1740	958	851	462	435	361	560	705	922
22	1130	1610	1780	1750	964	817	433	421	365	580	718	896
23	1130	1530	1770	1200	957	832	426	429	365	550	721	889
24	1140	1590	1790	1160	952	831	370	410	360	570	715	901
25	1160	1550	1790	1160	950	828	338	420	361	570	710	898
26	1170	1550	1790	1160	926	388	325	413	366	650	723	939
27	1190	1550	1790	1150	731	566	328	404	500	880	724	904
28	1180	1540	1790	1170	730	530	338	404	508	540	731	904
29	1180	1550	1790	1180	---	514	315	401	550	552	736	896
30	1160	1560	1780	1170	---	522	311	415	647	552	726	896
31	1170	---	1780	1200	---	540	---	417	---	552	729	---
TOTAL	31111	42220	43161	49590	31005	23211	12711	11887	12829	25406	21529	25548
MEAN	1004	1407	1399	1600	1107	749	424	383	428	820	694	852
MAX	1190	1610	1790	1800	1260	884	492	493	647	2970	834	1100
MIN	380	1180	416	1150	730	388	311	291	360	540	546	737
AC-FT	61710	83740	86010	98360	61500	46040	25210	23580	25450	50390	42700	50670

CAL YR 1990	TOTAL	511490	MEAN	1398	MAX	2880	MIN	380	AC-FT	1015000
WTR YR 1981	TOTAL	330408	MEAN	905	MAX	2970	MIN	291	AC-FT	655400

SAN JUAN RIVER BASIN

(11) 09357230 GALLEGOS CANYON WASH NEAR FARMINGTON, NM

LOCATION.--Lat 36°38'27", long 108°07'33", in SE¼SE¼ sec.20, T.28 N., R.12 W., San Juan County, Hydrologic Unit 14080101, on right bank 100 ft (30 km) downstream from Navajo Indian Irrigation Project Highway bridge, 4.0 mi (6.4 km) upstream from mouth, and 7.0 mi (11.3 km) southeast of Farmington.

DRAINAGE AREA.--290 mi² (751 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,550 ft (1,692 m), from topographic map.

REMARKS.--Water-discharge records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about, 900 ft³/s (25.5 m³/s) Jan. 17, 1979, gage height, 3.20 ft (0.975 m); no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 86 ft³/s (2.44 m³/s) Apr. 6, gage height, 2.66 ft (0.811 m); no flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.12	.33	.25	.61	.00	.00	.00	.13	.21	.00
2	.00	.00	.11	.34	.25	.73	.00	.00	.00	.14	.53	.80
3	.00	.00	.12	.34	.25	3.0	.00	.00	2.1	6.4	.00	.00
4	.00	.00	.12	.35	.74	1.2	.00	.00	4.8	.00	.00	.00
5	.00	.34	.11	.35	.24	.20	.00	.00	.19	.00	.00	.70
6	.00	.42	.10	.36	.23	.00	7.8	.00	.00	.00	.00	.80
7	.00	.00	.10	.37	.22	2.3	.17	.00	.00	.00	.00	.20
8	.00	.00	.09	.38	.21	1.2	.00	.00	.00	.00	.00	.00
9	.00	.00	.09	.39	.20	.20	.00	.00	.00	8.1	.00	.00
10	.00	.00	.09	.40	.18	1.4	.00	.00	.00	.14	.05	.00
11	.00	.00	.09	.41	.16	3.0	.00	.00	.00	2.4	.00	.00
12	.00	.00	.10	.41	.14	4.4	.00	.00	.00	.68	.24	.00
13	.00	.00	.11	.41	.13	3.0	.00	.00	.00	.11	.00	.00
14	.00	.00	.12	.40	.14	2.8	.00	.00	.00	.20	.00	.00
15	.00	.00	.15	.40	.14	3.6	9.6	.00	.00	7.3	.00	.00
16	.00	.00	.18	.38	.16	1.9	3.2	.00	.00	.13	.00	.00
17	.00	.00	.20	.37	.16	.00	.00	.00	.00	.20	.00	1.7
18	.00	.00	.22	.36	.17	.00	5.2	.00	.00	1.7	.00	.00
19	.00	.00	.23	.35	.19	.00	6.2	.00	.00	.00	.00	.00
20	.00	.00	.24	.34	.19	2.1	.00	.00	.00	.00	.00	.00
21	.00	.00	.25	.32	.20	2.7	.00	.00	.00	.00	.00	.00
22	.00	.00	.26	.31	.00	.00	4.7	.00	.00	.00	.00	.00
23	1.3	.00	.27	.30	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.28	.29	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.29	.28	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.29	.28	.10	.00	.00	.00	.00	6.7	.00	.00
27	5.2	.09	.30	.28	.19	.00	.18	.00	.00	6.9	.00	.00
28	18	.10	.31	.27	.50	3.3	10	.00	.00	.00	.00	.00
29	15	.11	.31	.26	---	2.0	.00	2.0	.00	.00	.00	.00
30	4.4	.12	.32	.26	---	.00	.00	7.0	.00	.00	.00	.00
31	.00	---	.32	.26	---	.00	---	.00	---	.11	.00	---
TOTAL	43.90	1.18	5.89	10.55	4.84	39.64	47.05	9.00	7.09	145.29	45.53	3.70
MEAN	1.42	.039	.19	.34	.17	1.28	1.57	.29	.24	4.69	1.47	.12
MAX	18	.42	.32	.41	.50	4.4	10	7.0	4.8	70	24	1.7
MIN	.00	.00	.09	.26	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	87	2.3	12	21	9.6	79	93	18	14	288	90	7.3

CAL YR 1980 TOTAL 260.95 MEAN .71 MAX 25 MIN .00 AC-FT 518
WTR YR 1981 TOTAL 363.66 MEAN 1.00 MAX 24 MIN .00 AC-FT 721

SAN JUAN RIVER BASIN

(12) 09363500 ANIMAS RIVER NEAR CEDAR HILL, NM

LOCATION.--Lat 37°02'17", long 107°52'25", in sec.7, T.32 N., R.9 W., La Plata County, Colorado, Hydrologic Unit 14080104, on right bank 0.8 mi (1.3 km) downstream from Florida River, 2.5 mi (4.0 km) upstream from Colorado-New Mexico State line, 8.5 mi (13.7 km) north of Cedar Hill, and at mile 32.9 (52.9 km).

DRAINAGE AREA.--1,090 mi² (2,820 km²), approximately.

PERIOD OF RECORD.--October 1933 to current year. Monthly discharge only for October and November 1933, published in WSP 1313.

REVISED RECORDS.--WSP 1563: 1940 and 1946 (monthly figures only).

GAGE.--Water-stage recorder. Altitude of gage is 5,960 ft (1,817 m), from topographic map. Prior to Sept. 14, 1937, at datum between 1.52 ft (0.46 m) and 1.36 ft (0.41 m) higher. Sept. 15, 1937, to Sept. 30, 1946, at datum 1.36 ft (0.41 m) higher.

REMARKS.--Records good except those for winter period, which are poor. Diversions for irrigation of about 20,000 acres (81 km²) above station. During water years 1944-49, Twin Rocks Canal diverted above station for irrigation below. Slight regulation by Lemon Dam about 30 mi (48 km) upstream on Florida River since November 1963 (capacity, 40,100 acre-ft or 49.4 hm³). Several observations of water temperature were made during the year.

AVERAGE DISCHARGE.--49 years, 895 ft³/s (25.35 m³/s), 648,400 acre-ft/yr (799 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,100 ft³/s (371 m³/s) June 19, 1949, gage height, 11.45 ft (3.490 m); minimum, 63 ft³/s (1.78 m³/s) Jan. 21, 1935.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in October 1911 at this location.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,180 ft³/s (118 m³/s) at 1215 hours June 3, gage height, 7.48 ft (2.280 m), no other peak above base of 4,000 ft³/s (110 m³/s); minimum daily, 201 ft³/s (5.69 m³/s) Feb. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	336	442	282	247	255	295	414	1550	3690	3330	1110	1150
2	395	449	275	238	252	320	395	1800	3880	3270	997	1060
3	670	447	257	220	254	395	390	2050	3850	2770	1090	972
4	622	443	258	208	251	356	380	2280	3690	2540	1070	879
5	573	440	259	208	260	334	390	2580	3790	2250	985	909
6	556	428	262	220	250	315	415	3080	3440	1920	881	945
7	552	459	253	231	237	302	450	2360	3130	1730	876	850
8	560	487	254	237	250	300	450	2180	3180	1580	919	851
9	563	470	245	242	260	300	430	2050	3240	1650	876	909
10	551	444	242	245	243	310	420	2030	3400	1620	877	945
11	538	429	246	245	250	340	494	1960	3350	1620	848	1210
12	608	430	246	242	241	390	630	1920	3330	1550	819	1440
13	688	432	238	239	234	520	970	1790	3620	1530	847	1530
14	676	401	234	238	238	470	1140	1530	3420	1460	992	1650
15	672	387	242	237	233	449	1350	1490	3120	1460	1080	1540
16	714	384	238	237	229	442	1420	1460	2930	1420	983	1660
17	701	381	234	238	226	405	1400	1400	3210	1350	948	1590
18	660	364	242	239	201	375	1380	1470	3240	1310	851	1520
19	644	341	258	239	213	345	1280	1620	3180	1240	809	1600
20	637	341	226	239	224	335	1200	1670	2780	1220	844	1550
21	625	354	234	238	235	325	1100	1820	2780	1200	1080	1610
22	612	362	223	237	250	315	1000	2200	2760	1180	1150	1620
23	582	340	238	237	268	312	900	2360	2580	1170	1200	1510
24	548	339	235	234	275	308	820	2380	2590	1150	1680	1410
25	542	328	231	232	318	303	778	2470	2900	1120	2770	1350
26	526	336	231	232	305	308	778	2660	3200	1090	2860	1290
27	500	303	232	235	293	330	815	3360	3410	1110	2210	1240
28	495	292	230	240	290	340	880	3350	3520	1260	1940	1250
29	494	302	228	243	---	350	1100	3680	3500	1360	1660	1210
30	489	304	232	250	---	360	1250	3750	3140	1300	1390	1090
31	482	---	233	253	---	395	---	3490	---	1220	1290	---
TOTAL	17811	11659	7538	7320	7035	10934	24819	69830	97850	49980	37932	38340
MEAN	575	389	243	236	251	353	827	2253	3262	1612	1224	1278
MAX	714	487	282	253	318	520	1420	3750	3880	3330	2840	1660
MIN	336	292	223	208	201	295	380	1400	2580	1090	809	850
AC-FT	35330	23130	14950	14520	13950	21690	49230	138500	194100	99140	75240	76050
CAL YR 1981	TOTAL	224033	MEAN	614	MAX	3640	MIN	150	AC-FT	444400		
WTR YR 1982	TOTAL	381048	MEAN	1044	MAX	3880	MIN	201	AC-FT	755800		

SAN JUAN RIVER BASIN

09364500 ANIMAS RIVER AT FARMINGTON, NM
(13) (National stream-quality accounting network station)

LOCATION (REVISED).--Lat 36°43'17", long 108°12'05", in SW¼SW¼ sec.15, T.29 N., R.13 W., San Juan County, Hydrologic Unit 14080104, in Boyd City Park, on right bank 900 ft (274 m) upstream from bridge on Miller Ave., 0.4 mi (0.6 km) downstream from bridge on U.S. Highway 64 in Farmington, and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--1,360 mi² (3,520 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1904 to October 1905 (published as "near Farmington"), September 1912 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1243: 1931. WSP 1313: 1913.

GAGE.--Water-stage recorder. Altitude of gage is 5,280 ft (1,609 m), from topographic map. Prior to Nov. 1, 1905, non-recording gage at old bridge 0.1 mi (0.2 km) upstream at different datum. Sept. 17, 1912, to Oct. 4, 1938, water-stage recorder at site 0.8 mi (1.3 km) downstream at lower datums (datum lowered 2.0 ft or 0.61 m Aug. 15, 1927, and raised 0.2 ft or 0.06 m Dec. 16, 1929). Oct. 5, 1938 to Nov. 1, 1973 at site 900 ft (274 m) downstream at datum 1.74 ft (0.53 m) lower.

REMARKS.--Water-discharge records good except those for winter period, which are fair. Diversions for irrigation of about 30,000 acres (120 km²) above station.

AVERAGE DISCHARGE.--71 years, 913 ft³/s (25.86 m³/s), 661,500 acre-ft/yr (816 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 25,000 ft³/s (710 m³/s) June 29, 1927, gage height, 8.5 ft (2.59 m), site and datum then in use, from rating curve extended above 10,000 ft³/s (283 m³/s); minimum, 1.0 ft³/s (0.028 m³/s) Aug. 11, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood occurred Oct. 6, 1911, when a stage of about 16.5 ft (5.0 m) was reached (datum in use Oct. 1938 to Nov. 1973). Flood of Sept. 6, 1909, reached a stage of 11.1 ft (3.38 m), 1904-5 site and datum (discharge, about 19,000 ft³/s or 540 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,840 ft³/s (109 m³/s) at 1700 hours June 3, gage height, 7.35 ft (2.240 m), no peak above base of 4,000 ft³/s (110 m³/s); minimum daily, 177 ft³/s (5.01 m³/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	418	304	261	285	347	379	1440	3390	3100	931	1010
2	257	406	288	260	273	402	410	1740	3580	3380	827	893
3	749	412	287	227	289	593	413	2210	3650	2840	832	805
4	685	429	287	209	271	506	386	2680	3560	2600	842	710
5	606	411	293	209	278	423	400	2940	3550	2320	732	665
6	550	398	292	239	255	388	458	3060	3400	1960	604	763
7	536	427	293	245	237	360	493	2560	3050	1660	674	713
8	529	471	291	254	326	360	464	2190	2980	1500	772	682
9	524	451	288	271	263	363	433	2030	3060	1450	660	697
10	526	436	282	284	311	387	432	1950	3180	1500	644	795
11	507	422	281	286	294	401	439	1890	3230	1460	596	1180
12	527	406	292	301	279	760	544	1650	3180	1410	572	1550
13	669	421	281	299	277	814	949	1740	3400	1300	580	1510
14	686	401	275	295	277	552	1140	1530	3390	1240	668	1780
15	663	374	272	267	260	484	1330	1350	3070	1170	836	1520
16	686	368	284	269	262	509	1450	1360	2870	1160	756	1560
17	736	365	265	284	265	433	1400	1280	2980	1110	732	1520
18	696	367	259	272	269	420	1370	1290	3150	1040	628	1420
19	669	361	256	258	275	428	1290	1360	3090	987	564	1470
20	637	347	270	251	295	407	1200	1550	2770	928	528	1450
21	628	356	267	259	311	381	1120	1540	2630	907	668	1490
22	607	368	254	245	317	361	1010	1670	2700	895	1060	1460
23	594	349	247	246	329	351	919	2190	2550	853	940	1380
24	549	333	240	249	344	354	858	2290	2510	834	1080	1250
25	540	326	252	234	431	340	799	2310	2620	828	2530	1140
26	520	338	238	251	393	350	770	2460	2910	802	2220	1070
27	482	334	252	273	359	395	797	2970	3140	807	2260	1000
28	453	300	229	277	353	388	838	3280	3290	931	1910	982
29	441	332	227	290	---	376	944	3370	3340	1060	1710	966
30	438	328	236	285	---	380	1210	3660	3100	1180	1350	880
31	445	---	265	293	---	394	---	3460	---	1050	1130	---
TOTAL	17312	11455	8347	8143	8418	13407	24647	67200	93320	44252	30836	34311
MEAN	558	382	269	263	301	432	822	2168	3111	1427	995	1144
MAX	749	471	304	301	431	814	1450	3660	3650	3380	2530	1780
MIN	177	300	227	209	237	340	379	1280	2510	802	528	665
AC-FT	34340	22720	16560	16150	16700	26590	48890	133300	185100	87770	61160	68060

CAL YR 1981 TOTAL 175866 MEAN 482 MAX 3400 MIN 139 AC-FT 348800
WTR YR 1982 TOTAL 361648 MEAN 991 MAX 3600 MIN 177 AC-FT 717300

SAN JUAN RIVER BASIN

(14) 09365000 SAN JUAN RIVER AT FARMINGTON, NM

LOCATION.--Lat 36°43'22", long 108°13'30", in NW¼SE¼ sec.17, T.29 N., R.13 W., San Juan County, Hydrologic Unit 14080105, on left bank 360 ft (110 m) downstream from highway bridge on State Highway 371 in Farmington, 4,000 ft (1,200 m) downstream from Animas River, 2.3 mi (3.7 km) upstream from La Plata River, and at mile 251.4 (404.5 km).

DRAINAGE AREA.--7,240 mi² (18,750 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to December 1904, January 1905 to September 1906 (gage heights and discharge measurements only), September 1912 to current year. Monthly discharge only for some periods, published in WSP 1313. Discharge records for January to December 1905, published in WSP 175, are unreliable and should not be used.

REVISED RECORDS.--WSP 1119: Drainage area. WSP 1243: 1938. WSP 1313: 1905, 1914. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 5,230.37 ft (1,594.217 m) National Geodetic Vertical Datum of 1929. See WSP 1313 or 1733 for history of changes prior to Nov. 19, 1933.

REMARKS.--Water-discharge records good. Since June 1962 flow is partly controlled by operation of Navajo Reservoir (station 09355100) 50 mi (80 km) upstream. Diversions above station for irrigation of about 86,000 acres (350 km²), 4,000 of which is irrigated by Farmers Mutual ditch which diverts from Animas River and bypasses this station; ditch flow not included in record. At times this ditch may be supplied partly or entirely by diversion from San Juan River below this station. National Weather Service gage height telemeter at station.

AVERAGE DISCHARGE.--70 years (water years 1913-82), 2,352 ft³/s (66.61 m³/s), 1,704,000 acre-ft/yr (2.10 km³/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 68,000 ft³/s (1,930 m³/s) June 29, 1927, gage height, 10.2 ft (3.109 m), site and datum then in use, from rating curve extended above 37,000 ft³/s (1,050 m³/s); minimum, 14 ft³/s (0.40 m³/s) Aug. 22, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood occurred Oct. 6, 1911. Flood of Sept. 6, 1909, reached a stage of about 12.3 ft (3.8 m), site and datum in use May to September 1906.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,060 ft³/s (172 m³/s) Aug. 26, gage height, 4.52 ft (1.378 m); minimum daily, 646 ft³/s (18.3 m³/s) Nov. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	958	1190	710	975	949	871	1270	3120	5130	4340	1970	2120
2	1590	1130	670	1010	941	923	1300	3370	5540	4740	1820	1920
3	3500	1160	670	941	948	1240	1310	3790	5310	4030	1840	1770
4	2090	1130	650	861	863	1100	1260	4200	5080	3740	1830	1690
5	1810	956	677	853	773	915	1290	4500	5090	3470	1650	1770
6	1750	734	680	896	732	909	1360	4560	4930	3110	1670	1720
7	1690	646	680	932	691	939	1380	4090	4600	2810	1690	1630
8	1710	666	686	915	723	838	1340	3740	4480	2520	1820	1600
9	1720	685	733	881	761	842	1430	3520	4580	2410	1730	1620
10	1730	696	734	914	749	876	1440	3440	4740	2370	1430	1690
11	1730	700	690	904	795	882	1450	3350	4820	2360	1370	2470
12	1750	688	680	914	788	1290	1560	3400	4780	2360	1360	2900
13	1920	735	670	932	782	1910	2130	3330	5040	2290	1360	2880
14	1820	815	660	929	775	1650	2630	3100	5020	2250	1550	3170
15	1660	796	658	908	764	1290	2840	2920	4730	2150	1660	2800
16	1810	772	681	899	735	1340	2950	2920	4420	2170	1590	2840
17	1640	764	783	916	750	1350	2960	2850	4470	2120	1570	2850
18	1540	753	849	907	792	1370	2920	2360	4760	2040	1370	2770
19	1490	753	858	921	802	1360	2820	2920	4370	2000	1400	2740
20	1440	744	909	924	800	1310	2740	3080	4020	1930	1430	2730
21	1430	731	907	936	804	1270	2640	3080	3800	1910	1740	2770
22	1390	753	923	926	882	1260	2680	3290	3920	1890	2570	2730
23	1370	753	914	918	922	1230	2700	3600	3730	1860	2250	2590
24	1320	731	881	922	956	1210	2600	3710	3660	1870	3010	2450
25	1300	731	890	910	1220	1120	2500	3760	3900	1870	3970	2340
26	1290	764	915	924	1050	1160	2480	3930	4260	1880	5070	2240
27	1250	764	911	956	924	1380	2520	4420	4540	1840	4220	2140
28	1210	786	892	969	884	1230	2570	4850	4710	2090	3420	2130
29	1210	841	893	987	---	1240	2640	4980	4750	2160	3000	2110
30	1230	764	906	955	---	1280	2930	5270	4440	2380	2610	2000
31	1230	---	958	928	---	1280	---	5110	---	2990	2400	---
TOTAL	49578	24131	24318	28663	23555	36765	64640	115060	137620	77950	66370	69180
MEAN	1599	804	784	925	841	1186	2153	3712	4587	2515	2141	2306
MAX	3500	1190	958	1010	1220	1910	2960	5270	5540	4740	5070	3170
MIN	958	646	650	853	691	838	1260	2850	3660	1340	1360	1600
AC-FT	98340	47860	48230	56850	46720	72920	128200	228200	273000	154600	131600	137200

CAL YR 1981 TOTAL 427449 MEAN 1171 MAX 3890 MIN 442 AC-FT 947800
WTR YR 1982 TOTAL 717230 MEAN 1967 MAX 5540 MIN 646 AC-FT 1424000

SAN JUAN RIVER BASIN

(15) 09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'51", long 108°11'17", in NW¼SE¼ sec.10, T.32 N., R.13 W., La Plata County, Colorado, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State Line, 0.2 mi (0.3 km) downstream from Ponds Arroyo, and 4.8 mi (7.7 km) north of La Plata, NM.

DRAINAGE AREA.--331 mi² (857 km²).

PERIOD OF RECORD.--January 1920 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1934(M), 1936(M).

GAGE.--Water-stage recorder. Datum of gage is 5,975.15 ft (1,821.226 m) National Geodetic Vertical Datum of 1929. See WSP 1713 or 1733 for history of changes prior to Mar. 17, 1934.

REMARKS.--Records good. Diversions above station for irrigation of about 15,000 acres (61 km²), mostly above station.

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

AVERAGE DISCHARGE.--62 years, 34.6 ft³/s (0.980 m³/s), 25,070 acre-ft/yr (30.9 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,750 ft³/s (135 m³/s) Aug. 24, 1927, gage height, 11.36 ft (3.463 m), present datum, from rating curve extended above 750 ft³/s (21 m³/s) on basis of slope-area measurement of peak flow; no flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 680 ft³/s (19.3 m³/s) Oct. 3, gage height, 3.73 ft (1.137 m); minimum daily, 2.4 ft³/s (0.068 m³/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	13	9.5	10	9.5	17	38	107	73	77	17	27
2	3.8	13	13	10	8.5	21	39	123	80	60	14	22
3	76	12	13	8.0	9.5	23	37	131	82	55	15	18
4	13	10	13	6.2	9.5	20	36	173	63	50	12	18
5	8.0	9.5	13	10	7.0	18	39	232	74	37	9.0	16
6	5.8	9.5	13	11	6.0	15	41	192	67	32	9.0	14
7	5.4	11	13	8.0	7.0	16	40	129	77	30	31	12
8	5.5	12	13	6.5	7.5	16	38	83	78	27	29	15
9	5.5	9.5	12	8.0	7.0	16	38	63	80	26	13	17
10	6.0	8.5	12	8.5	9.0	16	38	59	74	24	10	15
11	7.0	8.5	12	9.0	9.5	19	40	52	73	21	8.5	26
12	8.0	8.5	13	9.0	8.5	67	54	52	83	18	7.5	43
13	9.0	8.5	12	8.5	9.5	102	101	63	79	20	5.4	34
14	8.5	8.0	12	9.0	9.5	61	124	66	68	21	6.2	43
15	8.5	8.0	12	9.0	10	58	164	50	74	21	5.8	21
16	8.5	7.0	12	9.5	11	48	164	47	74	19	6.6	15
17	9.5	5.8	11	10	12	41	152	41	73	18	6.2	14
18	9.5	4.4	11	10	13	40	140	42	72	19	5.8	14
19	10	4.8	13	11	16	39	132	54	75	21	5.4	15
20	10	5.4	12	9.5	16	36	103	63	73	22	42	13
21	10	5.1	12	9.5	16	34	96	70	78	16	23	13
22	10	5.4	11	10	16	32	97	90	82	16	14	14
23	10	6.6	10	9.5	15	31	82	72	78	14	16	14
24	12	7.0	12	9.0	16	31	73	73	74	10	79	14
25	13	6.2	15	9.5	23	31	54	73	79	9.0	156	15
26	14	6.6	12	10	19	36	50	72	70	9.5	126	14
27	14	5.8	15	10	18	44	48	110	74	12	69	14
28	14	6.6	11	10	17	41	44	68	74	33	43	15
29	14	12	13	10	---	41	52	88	67	36	30	14
30	14	10	13	9.0	---	39	79	95	56	32	33	13
31	13	---	10	9.0	---	35	---	62	---	24	36	---
TOTAL	357.9	248.2	378.5	286.2	335.5	1084	2233	2695	2224	829.5	683.4	552
MEAN	11.5	8.27	12.2	9.23	12.0	35.0	74.4	86.9	74.1	26.8	28.5	18.4
MAX	76	13	15	11	23	102	164	232	83	77	156	43
MIN	2.4	4.4	9.5	6.2	6.0	15	36	41	56	9.0	5.4	12
AC-FT	710	492	751	568	665	2150	4430	5350	4410	1650	1750	1090

CAL YR 1981 TOTAL 6481.5 MEAN 17.8 MAX 585 MIN 1.2 AC-FT 12860
WTR YR 1982 TOTAL 12107.2 MEAN 33.2 MAX 232 MIN 2.4 AC-FT 24010

SAN JUAN RIVER BASIN

(16) 09367400 LA PLATA RIVER TRIBUTARY NEAR FARMINGTON, NM

LOCATION.--Lat 36°47'10", long 108°13'31", in sec.29, T.30 N., R.13 W., San Juan County, Hydrologic Unit 14080104, on left bank 700 ft (213 m) upstream from culvert on State Highway 170, 3.6 mi (5.8 km) north of U.S. Highway 550, 4.1 mi (6.6 km) northwest of Farmington, and 10.0 mi (16.1 km) south of La Plata.

DRAINAGE AREA.--1.03 mi² (2.67 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1970-78 (annual maximum only), May 1979 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,376 ft (1,638.6 m) from topographic map.

REMARKS.--Water-discharge records poor. Recording rain gage at station.

EXTREMES FOR PERIOD OF RECORDS.--Maximum discharge, 245 ft³/s (6.94 m³/s) Mar. 1973, gage-height, 4.25 ft (1.295 m) from rating curve extended above 35 ft³/s (1.0 m³/s) on basis of slope-area measurement at gage height 4.02 ft (1.225 m); no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 56 ft³/s (1.59 m³/s) Oct. 2, gage height, 2.77 ft (0.844 m) no other peak above base of 10 ft³/s (0.28 m³/s); no flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.37	.00	.00	.00	.00	.00	.00	.00	.00
2	2.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	3.1	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.4
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	1.7	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.34	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.11	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	2.50	.45	.00	.47	2.10	3.10	.00	.00	.00	.00	2.35	1.95
MEAN	.081	.015	.000	.015	.075	.10	.000	.000	.000	.000	.076	.065
MAX	2.5	.34	.00	.37	1.7	3.1	.00	.00	.00	.00	1.0	1.4
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	5.0	.9	.00	.9	4.2	6.1	.00	.00	.00	.00	4.7	3.9
(++)	0.96	---	---	---	---	---	0.45	0.81	0.00	0.50	1.70	1.24

CAL YR 1981 TOTAL 14.60 MEAN .040 MAX 4.8 MIN .00 AC-FT 29
WTR YR 1982 TOTAL 12.92 MEAN .035 MAX 3.1 MIN .00 AC-FT 26

(++) Monthly rainfall, in inches.

SAN JUAN RIVER BASIN

(17) 09367500 LA PLATA RIVER NEAR FARMINGTON, NM

LOCATION.--Lat 36°44'23", long 108°14'51", in NE¼SW¼ sec.7, T.29 N., R.13 W., San Juan County, Hydrologic Unit 14080105, on right bank 1,300 ft (400 m) upstream from bridge on U.S. Highway 550 in Farmington, and 1,800 ft (550 m) upstream from mouth.

DRAINAGE AREA.--583 mi² (1,510 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1938 to current year.

REVISED RECORDS.--WSP 1243: 1944-45. WSP 1313: 1943-44(M), 1946-50(M). WSP 1733: 1951(M).

GAGE.--Water-stage recorder. Altitude of gage is 5,214 ft (1,589 m), from river-profile map. Prior to July 28, 1978 at altitude 1.0 ft (0.305 m) higher.

REMARKS.--Water-discharge records good except those below 10 cfs (0.3 m³/s), which are poor. Diversions for irrigation of about 24,000 acres (97 km²) above station.

AVERAGE DISCHARGE.--44 years, 26.3 ft³/s (0.745 m³/s), 19,050 acre-ft/yr (23.5 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, that of Sept. 10, 1939, "discharge not determined", gage height, 6.03 ft (1.838 m), site and datum then in use; no flow for long periods in some years. Major floods occurred Sept. 5 or 6, 1909, and Oct. 5 or 6, 1911.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,260 ft³/s (35.7 m³/s) Sept. 11, gage height, 5.29 ft (1.612 m); minimum daily, 0.24 ft³/s (0.007 m³/s) July 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	ALG	SEP
1	.20	7.2	4.0	4.5	5.5	16	15	8.0	8.0	.91	3.1	17
2	13	8.7	9.6	4.6	5.0	16	19	28	7.0	5.1	2.6	13
3	361	6.4	14	3.1	4.5	28	19	32	7.0	2.0	1.1	12
4	30	4.0	17	4.0	4.0	25	17	68	6.0	1.9	.85	13
5	15	2.8	15	5.0	3.5	19	14	144	7.0	2.4	.2C	19
6	8.8	2.4	12	8.4	3.0	16	13	194	6.0	2.1	.55	19
7	5.4	2.8	13	5.0	4.0	13	27	57	5.5	1.7	41	13
8	1.8	3.2	14	3.0	5.1	12	25	28	6.5	.90	128	12
9	1.2	2.8	14	3.3	6.4	10	21	25	8.0	.70	22	15
10	1.0	2.6	12	3.8	7.6	9.0	17	15	8.0	.57	14	19
11	1.7	2.8	11	4.5	9.0	8.1	18	12	7.7	.43	12	241
12	2.0	3.2	10	5.0	8.2	17	19	12	7.7	.28	12	209
13	1.8	3.7	10	6.0	7.6	133	49	11	7.4	.32	11	132
14	1.7	2.0	10	7.0	7.0	64	79	10	7.2	.26	11	167
15	1.4	1.8	11	7.0	10	54	150	9.3	7.0	.28	11	26
16	1.2	2.0	9.3	7.0	14	48	94	5.2	6.7	.34	56	13
17	1.1	1.8	9.5	7.0	15	29	74	5.4	6.6	.27	33	11
18	.98	2.0	11	7.0	14	22	61	6.6	6.5	.24	9.8	10
19	1.1	2.0	12	7.0	12	18	53	12	6.4	.26	9.6	9.0
20	4.5	1.8	16	6.5	19	18	31	18	6.1	92	9.4	7.5
21	2.4	2.2	12	5.5	18	15	25	29	5.8	13	228	6.5
22	1.4	2.0	8.0	5.0	18	14	20	30	5.3	4.8	124	5.5
23	1.7	1.8	6.5	4.0	14	12	14	29	4.8	3.7	23	5.1
24	2.4	1.8	5.0	4.1	13	12	12	5.2	4.4	3.4	29	4.6
25	2.8	1.7	6.0	4.3	57	11	10	6.4	4.0	3.4	77	4.2
26	4.0	1.6	6.0	4.5	35	16	10	3.5	3.4	4.6	212	4.3
27	6.8	1.6	6.5	4.8	23	22	9.5	13	2.8	3.6	68	4.6
28	9.3	2.6	6.5	6.3	18	20	9.0	22	2.2	3.6	37	5.5
29	7.2	5.4	7.0	7.5	---	19	8.0	4.5	1.9	3.8	28	8.6
30	6.0	3.4	7.5	6.7	---	19	8.0	6.8	1.0	35	20	5.8
31	7.2	---	7.6	6.6	---	16	---	9.6	---	6.8	17	---
TOTAL	506.08	90.1	313.0	168.0	360.4	751.1	940.5	859.5	173.9	198.66	1311.8C	1032.2
MEAN	16.3	3.00	10.1	5.42	12.9	24.2	31.4	27.7	5.80	6.41	42.3	34.4
MAX	361	8.7	17	8.4	57	133	150	194	8.0	92	228	241
MIN	.20	1.6	4.0	3.0	3.0	8.1	8.0	3.5	1.0	.24	.55	4.2
AC-FT	1000	179	621	333	715	1490	1870	1700	345	394	260C	2050

CAL YR 1981 TOTAL 2973.44 MEAN 8.15 MAX 490 MIN .18 AC-FT 5900
WTR YR 1982 TOTAL 6705.24 MEAN 18.4 MAX 361 MIN .20 AC-FT 1330C

SAN JUAN RIVER BASIN

(18) 09367540 SAN JUAN RIVER NEAR FRUITLAND, NM

LOCATION.--Lat 36°44'25", long 108°24'09", in NW¼SE¼ sec.10, T.29 N., R.15 W., San Juan County, Hydrologic Unit 14080105, on right bank 300 ft (91.4 m) downstream from Four Corners Power Plant highway bridge, 0.4 mi (0.64 km) west of Fruitland, 10 mi (16.1 km) downstream from La Plata River, 14.0 mi (22.5 km) upstream from Chaco River, and at mile 239 (385 km).
DRAINAGE AREA.--8,010 mi² (20,750 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September, 1980 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,150 ft (1,570 m), from topographic map.

REMARKS.--Water-discharge records fair. Diversion for irrigation of about 95,000 acres (384 km²) above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft³/s (402 m³/s) May 28, 1979, gage height, 8.65 ft (2.637 m); minimum, 320 ft³/s (9.06 m³/s) Aug. 14, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in October 1911 at this location.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,760 ft³/s (276 m³/s) June 12, gage height, 7.56 ft (2.304 m); maximum gage height, 7.66 ft (2.336 m) May 23; minimum daily discharge, 550 ft³/s (15.6 m³/s) Oct. 11.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	917	1940	2120	2140	2720	1800	5100	6150	3880	1400	1400
2	1160	917	2080	2110	2110	2740	1480	5020	5950	3720	1340	1360
3	1120	917	2100	2120	2120	2720	1270	5080	5610	3520	1410	1310
4	1120	957	2100	2120	2110	2770	1300	5380	6080	3330	1410	1270
5	1180	941	2140	2110	2070	2760	1490	5820	6470	3150	1370	1330
6	1210	925	2190	2100	2060	2720	1780	6130	6920	2910	1370	1370
7	1100	982	2180	2100	2100	2730	2290	6220	7250	2720	1270	1320
8	890	1120	2160	2110	2120	2840	1850	6740	6720	2580	1230	1280
9	767	1100	2180	2120	2100	2820	1970	6470	6890	2720	1360	1470
10	576	917	2160	2200	2110	2820	2120	5680	8260	2480	1380	2010
11	550	723	2150	2230	2070	3400	2490	5200	8980	2310	1320	3920
12	602	640	2180	2230	2050	3380	2210	5160	9320	2140	1270	2980
13	589	588	2120	2140	2050	3260	1940	4600	8820	2220	1250	2280
14	667	582	2170	2190	2100	3270	1950	3930	8400	2700	1250	2000
15	885	588	2100	2360	2320	3310	2210	3650	7820	2020	1300	1820
16	941	588	2100	2320	2740	3380	2700	3700	6950	1940	1330	1710
17	917	576	2110	2200	2460	3400	3070	3300	6510	1850	1360	1610
18	845	569	2140	2190	2360	3430	3490	3530	6560	1720	1340	1540
19	798	569	2160	2290	2780	3450	4080	3680	6600	1670	1320	1470
20	805	595	2180	2400	3520	3470	4870	3850	6670	1570	1270	1340
21	1320	562	2200	2330	2960	3480	5700	4610	6290	1480	1250	1290
22	1210	702	2250	2200	2860	3620	6740	6000	5970	1430	1250	1240
23	1080	798	2230	2160	2550	3620	6780	7140	5590	1340	1220	1170
24	999	829	2180	2160	2400	3620	5730	7380	5590	1360	1440	1170
25	1010	837	2160	2120	2330	3400	5090	6410	5440	1380	1850	1120
26	1020	869	2160	2110	2610	3190	4780	5060	5160	1430	2110	1160
27	941	1030	2310	2150	2620	2970	4820	4720	5040	1470	1870	1170
28	861	1170	2280	2150	2650	2920	4800	4720	4820	1420	1680	1140
29	853	1420	2230	2180	2690	2340	5100	5260	4380	1350	1550	1120
30	869	1610	2190	2270	---	2120	5220	5740	4010	1350	1470	1110
31	901	---	2150	2230	---	2200	---	6020	---	1400	1430	---
TOTAL	28956	25538	66930	67820	69160	94870	101120	161300	195220	66070	43620	46480
MEAN	934	851	2159	2188	2385	3060	3371	5203	6507	2131	1407	1549
MAX	1320	1610	2310	2400	3520	3620	6780	7380	9320	3880	2110	3920
MIN	550	562	1940	2100	2050	2120	1270	3300	4010	1340	1220	1110
AC-FT	57430	50650	132800	134500	137200	188200	200600	319900	387200	131000	86520	92190
CAL YR 1979 TOTAL	1396847											
MEAN	3827											
MAX	13700											
MIN	488											
AC-FT	2771000											
WTR YR 1980 TOTAL	967084											
MEAN	2642											
MAX	9320											
MIN	550											
AC-FT	1918000											

SAN JUAN RIVER BASIN

(19) 09367555 SHUMWAY ARROYO NEAR FRUITLAND, NM

LOCATION.--Lat 36°48'23", long 108°23'42", in NE¼NE¼ sec. 22, T.30 N., R.15 W., San Juan County, Hydrologic Unit 14080102, on right bank 1.7 mi (2.7 km) downstream from Narrows Wash, 2.0 mi (3.2 km) northeast of San Juan Power Plant, 4.6 mi (7.4 km) north of Fruitland, and at mile 8.5 (13.7 km).

DRAINAGE AREA.--62.8 mi² (163 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1975 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,240 ft (1,597 m), from topographic map.

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--7 years, 0.620 ft³/s (0.018 m³/s), 449 acre-ft/yr (553,600 m³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft³/s (142 m³/s) May 20, 1978, gage height, 13.00 ft (3.962 m), from floodmarks, from rating curve extended above 4.0 ft³/s (0.11 m³/s) on basis of slope-area measurements of peak flow at gage heights, 9.98 ft (3.042 m) and 13.00 ft (3.962 m); no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 30 ft³/s (0.85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 3	0315	475 13.5	4.28 1.305	Aug. 21	2130	*1060 30.0	5.90 1.798
July 28	0230	188 5.32	3.04 0.927	Sept. 12	1900	355 10.1	3.80 1.158
Aug. 20	1900	139 3.94	2.76 0.841	Sept. 13	2300	61 1.73	2.11 0.643

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	32
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.8
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.0
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	5.1	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	67	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	1.3	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.02	.00	.00	.00	.42	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.6	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	69.00	.00	.00	.00	1.39	.02	.00	.00	.00	8.02	87.00	38.09
MEAN	2.23	.000	.000	.000	.050	.001	.000	.000	.000	.26	2.81	1.27
MAX	57	.00	.00	.00	1.3	.02	.00	.00	.00	7.6	67	32
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	137	.00	.00	.00	2.8	.04	.00	.00	.00	16	173	76

CAL YR 1981 TOTAL 152.01 MEAN .42 MAX 58 MIN .00 AC-FT 302
WTR YR 1982 TOTAL 203.52 MEAN .56 MAX 67 MIN .00 AC-FT 404

SAN JUAN RIVER BASIN

(20) 09367561 SHUMWAY ARROYO NEAR WATERFLOW, NM

LOCATION.--Lat 36°46'24", long 108°26'26", in SE¼NW¼ sec.32, T.30 N., R.15. W, San Juan County, Hydrologic Unit 14080105, on right bank 0.6 mi (1.0 km) downstream from Westwater Arroyo, 0.7 mi (1.1 km) upstream from highway to San Juan Power Plant, 14 mi (22 km) west of Farmington, and at mile 4.5 (7.2 km).

DRAINAGE AREA.--73.8 mi² (191 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,130 ft (1,564 m), from topographic map. Prior to May 20, 1978, at datum, 10.0 ft (3.048 m) higher.

REMARKS.--Water-discharge records fair except those above 10 ft³/s (0.28 m³/s) and those for winter months, which are poor.

AVERAGE DISCHARGE.--8 years, 2.46 ft³/s (0.070 m³/s) 1,780 acre-ft/yr (2.19 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,420 ft³/s (182 m³/s) May 20, 1978, gage height, 18.94 ft (5.773 m), from floodmark, from rating curve extended above 4.0 ft³/s (0.11 m³/s) on basis of slope-area measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 80 ft³/s (2.3 m³/s), revised, and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 3	0500	543 15.4	7.90 2.408	Aug. 21	2345	*1,010 28.6	11.38 3.469
July 30	1830	147 4.16	7.82 2.384	Sept. 12	0645	258 7.31	8.57 2.612
Aug. 20	1915	105 2.97	7.44 2.268	Sept. 12	2015	234 6.63	8.42 2.566

Minimum daily discharge, 1.1 ft³/s (0.031 m³/s) May 20, June 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.4	5.4	3.4	4.4	3.3	4.1	2.6	2.7	2.4	2.3	3.5
2	13	2.4	3.8	3.4	5.5	3.1	3.9	2.5	2.2	2.4	2.1	2.3
3	102	2.4	4.2	3.5	3.6	3.2	5.6	2.3	2.5	2.3	2.9	2.4
4	9.1	2.3	4.2	4.2	3.6	3.6	4.5	2.5	2.6	2.4	3.5	2.4
5	4.4	2.5	5.2	4.5	3.6	3.5	5.1	3.8	2.4	2.4	3.5	2.6
6	3.5	2.5	5.0	4.6	4.4	3.1	5.9	3.6	2.3	2.5	3.3	2.5
7	3.0	2.4	4.4	3.9	4.0	1.8	4.7	3.9	2.4	2.4	3.3	2.5
8	2.7	2.4	4.8	4.4	3.5	1.9	4.5	3.5	2.4	2.5	4.0	2.3
9	2.5	2.4	4.0	3.5	3.5	4.2	3.6	3.1	2.4	2.3	3.4	2.8
10	2.6	2.4	3.8	3.8	3.0	4.7	2.6	3.2	3.4	2.1	3.0	2.9
11	2.5	2.4	3.8	4.2	3.0	4.2	3.2	3.2	3.2	2.1	3.0	3.5
12	2.8	2.5	4.6	5.2	3.0	4.5	4.2	2.6	2.6	2.1	3.2	4.4
13	2.3	2.5	4.7	6.8	3.0	4.7	3.1	2.4	2.8	2.3	3.0	11
14	2.5	2.8	4.8	6.6	2.8	4.6	2.6	2.9	3.0	2.1	3.3	13
15	3.0	2.8	4.6	3.5	2.8	3.9	2.1	3.0	3.2	2.3	3.3	2.9
16	3.7	3.9	4.9	3.3	2.7	4.3	2.1	2.3	2.6	2.6	3.3	2.8
17	3.7	4.4	5.6	4.5	2.6	4.0	2.2	2.6	2.4	3.9	3.2	3.3
18	3.7	5.1	5.7	4.7	2.6	3.8	2.2	2.8	2.0	3.4	3.4	2.8
19	3.7	4.7	5.3	4.1	2.6	3.5	2.3	2.4	1.1	2.5	3.5	2.6
20	3.6	5.0	3.9	4.7	2.6	4.9	2.5	1.1	1.1	2.2	15	2.6
21	3.5	4.3	4.5	5.3	2.6	4.8	2.8	1.7	2.0	2.9	30	2.3
22	3.5	3.7	4.6	5.7	3.3	4.8	2.3	3.0	2.7	2.8	61	1.8
23	3.4	3.6	5.3	5.3	3.3	4.7	2.3	2.4	2.6	2.6	4.2	2.5
24	3.4	3.7	5.0	5.0	3.3	3.5	2.1	2.3	2.5	2.7	5.2	2.3
25	3.5	3.7	5.3	4.4	4.9	4.2	2.1	2.4	2.4	2.6	2.9	1.8
26	3.7	4.8	5.4	5.2	3.8	5.8	2.9	2.5	2.5	2.5	2.7	1.2
27	3.5	3.8	4.6	5.0	4.1	5.4	2.7	2.8	3.1	11	2.5	1.2
28	3.0	3.6	4.9	4.6	3.6	4.5	2.6	2.4	2.9	5.5	2.2	1.8
29	2.5	3.9	4.7	4.2	---	4.3	2.5	4.2	2.6	2.5	2.4	2.3
30	2.5	3.8	4.4	4.4	---	4.4	3.1	3.7	2.3	19	2.3	2.6
31	2.4	---	3.9	4.2	---	4.2	---	3.4	---	5.2	2.3	---
TOTAL	212.0	99.1	145.3	140.1	95.7	125.3	96.4	87.1	74.9	108.5	193.2	134.5
MEAN	6.84	3.30	4.69	4.52	3.42	4.04	3.21	2.81	2.50	3.50	6.23	4.48
MAX	102	5.1	5.7	6.8	5.5	5.8	5.9	4.2	3.4	19	61	44
MIN	2.3	2.3	3.8	3.3	2.6	1.8	2.1	1.1	1.1	2.1	2.1	1.2
AC-FT	421	197	288	278	190	249	191	173	149	215	383	267

CAL YR 1981 TOTAL 1338.28 MEAN 3.67 MAX 142 MIN .57 AC-FT 2650
WTR YR 1982 TCTAL 1512.10 MEAN 4.14 MAX 102 MIN 1.1 AC-FT 3000

SAN JUAN RIVER BASIN

(21) 09367660 CHACO WASH NEAR STAR LAKE TRADING POST, NM

LOCATION.--Lat 35°56'07", long 107°31'39", in NE¼NW¼SE¼ sec.25, T.20 N., R.7 W., McKinley County, Hydrologic Unit 14080106, on right bank, 4.8 mi (7.7 km) northwest of Star Lake Trading Post, and 7.6 mi (12.2 km) southeast of Pueblo Pintada.

DRAINAGE AREA.--59.0 mi² (153 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,580 ft (2,006 m), from topographic map.

REMARKS.--Water-discharge records poor.

AVERAGE DISCHARGE.--5 years, 0.83 ft³/s (0.024 m³/s), 601 acre-ft/yr (741,000 m³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 750 ft³/s (21.2 m³/s), Aug. 26, 1982, gage height, 11.5 ft (3.505 m) from rating curve extended above 50 ft³/s (1.4 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 750 ft³/s (21.2 m³/s) at 0100 hours Aug. 26, gage height, 11.5 ft (3.505 m) from rating curve extended above 50 ft³/s (1.4 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.58	.00	.00	.00	.00	.10	.00	.00	.00	.00	.85	.69
2	.82	.00	.00	.00	.00	.46	.00	.00	.00	.00	.00	.30
3	22	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00
4	1.0	.00	.00	.00	.00	1.0	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.79
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.99	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.2
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65	1.4
19	.00	.00	.00	.00	.30	.00	.00	.00	.00	.00	.60	.65
20	.00	.00	.00	.00	1.6	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	2.4	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	2.4	.00	.00	.00	.00	.00	1.2	.00
23	.00	.00	.00	.00	2.2	.00	.00	.00	.00	.00	.68	.00
24	.00	.00	.00	.00	2.0	.00	.00	.00	.00	.00	20	.00
25	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00	37	.00
26	.00	.00	.00	1.0	.20	.57	.00	.00	.00	.00	141	.00
27	.00	.00	.00	1.3	.40	1.1	.00	.00	.00	.00	.99	.00
28	.00	.00	.00	1.1	.18	.00	.00	.00	.00	.23	29	.00
29	.00	.00	.00	.98	---	.00	.00	.00	.00	.95	7.5	.00
30	.00	.00	.00	.93	---	.00	.00	.00	.00	.78	.65	.00
31	.00	---	.00	.00	---	.00	---	.00	---	3.2	1.6	---
TOTAL	24.40	.00	.00	5.31	12.08	7.19	.00	.00	.00	5.16	242.82	5.14
MEAN	.79	.000	.000	.17	.43	.23	.000	.000	.000	.17	7.83	.17
MAX	22	.00	.00	1.3	2.4	3.2	.00	.00	.00	3.2	141	1.4
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	48	.00	.00	11	24	14	.00	.00	.00	10	482	10

CAL YR 1981 TOTAL 212.47 MEAN .58 MAX 46 MIN .00 AC-FT 421
WTR YR 1982 TOTAL 302.10 MEAN .83 MAX 141 MIN .00 AC-FT 599

SAN JUAN RIVER BASIN

(22) 09367676 CHACO WASH AT EAST BOUNDARY CHACO NATIONAL MONUMENT, NM

LOCATION.--Lat 36°01'12", long 107°51'04", in NE¼SW¼ sec.25, T.21 N., R.10 W., San Juan County, Hydrologic Unit 14080106, in Chaco Canyon National Monument, on right bank, 0.4 mi (0.6km) downstream from east boundary of Chaco Canyon National Monument, 1.0 mi (1.6km) upstream from Wijiji Ruins and 4.2 mi (6.8km) east of Chaco Canyon National Monument Visitors Center.

DRAINAGE AREA.--364 mi² (943 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- March 1980 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,220 ft (1,895.9 m), from topographic map.

REMARKS.--Water-discharge records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 467 ft³/s (13.2 m³/s) Aug. 24, 1982, gage height, 6.15 ft (1.875 m), from rating curve extended above 70 ft³/s (2.0 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 467 ft³/s (13.2 m³/s) at 0345 hours Aug. 24, gage height, 6.15 ft (1.875 m) from rating curve extended above 70 ft³/s (2.0 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00	1.5
2	29	.00	.00	.00	.00	2.3	.00	.00	.00	.00	.00	6.4
3	104	.00	.00	.00	.00	.69	.00	.00	.00	.00	.00	.00
4	35	.00	.00	.00	.00	5.1	.00	.00	.00	.00	.80	3.7
5	2.5	.00	.00	.00	.00	1.5	.00	.00	.00	.00	.00	7.7
6	.00	.00	.00	.00	.00	.60	.00	.00	.00	.00	.00	.70
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.3	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.3	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	4.6
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.1
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.8
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	16
14	.00	.00	.00	.00	.00	16	.00	.00	.00	.00	.00	1.0
15	.00	.00	.00	.00	.00	1.0	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.00	.00
19	.00	.00	.00	.00	2.4	.00	.00	.00	.00	1.2	.00	11
20	.00	.00	.00	.00	10	.00	.00	.00	.00	.00	.90	7.0
21	.00	.00	.00	.00	12	.00	.00	.00	.00	.00	126	1.5
22	.00	.00	.00	.00	12	.00	.00	.00	.00	.00	9.3	.10
23	.00	.00	.00	.00	11	.00	.00	.00	.00	.00	12	.00
24	.00	.00	.00	.00	10	.00	.00	.00	.00	.00	128	.00
25	.00	.00	.00	.00	2.0	.00	.00	.00	.00	.15	72	.00
26	.00	.00	.00	.00	1.0	.21	.00	.00	.00	.68	167	.00
27	.00	.00	.00	.00	2.0	8.7	.00	.00	.00	.00	141	.00
28	.00	.00	.00	.00	.90	.60	.00	.00	.00	.00	18	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	13	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	16	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	5.0	---
TOTAL	170.50	.00	.00	.00	63.30	37.20	.00	.00	.00	2.45	717.10	74.60
MEAN	5.50	.000	.000	.000	2.26	1.20	.000	.000	.000	.079	23.1	2.49
MAX	104	.00	.00	.00	12	16	.00	.00	.00	1.2	167	16
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	338	.00	.00	.00	126	74	.00	.00	.00	4.9	1420	148

CAL YR 1981 TOTAL 388.00 MEAN 1.06 MAX 104 MIN .00 AC-FT 770
WTR YR 1982 TOTAL 1065.15 MEAN 2.92 MAX 167 MIN .00 AC-FT 2110

SAN JUAN RIVER BASIN

(23) 09367678 FAJADA WASH AT CHACO CANYON NATIONAL MONUMENT, NM

LOCATION.--Lat 36°01'03", long 107°55'04", in SW¼SE¼ sec.29, T.21 N., R.10 W., San Juan County, Hydrologic Unit 14080106, in Chaco Canyon National Monument, on left bank 300 ft (91.4 m) downstream from south boundary of Chaco Canyon National Monument, 0.5 mi (0.80 km) west of Fajada Butte, 0.7 mi (1.1km) upstream from mouth and 1.0 mi (1.6 km) southwest of Chaco Canyon National Monument Visitors Center.

DRAINAGE AREA.--199 mi² (515 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,155 ft (1,876.0 m), from topographic map.

REMARKS.--Water-discharge records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 491 ft³/s (13.9 m³/s) June 30, 1981, gage height, 5.68 ft (1.731 m), from rating curve extended above 25 ft³/s (0.71 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 256 ft³/s (7.25 m³/s) at 0215 hours Aug. 26, gage height, 3.96 ft (1.207 m); no flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	1.8	.00	.00	.00	.00	.00	.00	1.6	.00	.00	.86	.00
5	.83	.00	.00	.00	.00	.00	.00	.70	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.5
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	10
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.84	5.1
12	.00	.00	.00	.00	.91	.00	.00	.00	.00	.00	.00	3.3
13	.00	.00	.00	.00	5.5	1.1	.00	.00	.00	.00	.00	2.4
14	.00	.00	.00	.00	3.1	1.7	.00	.00	.00	.00	.87	2.1
15	.00	.00	.00	.00	1.4	.00	.00	.00	.00	.00	.53	1.9
16	.00	.00	.00	.00	1.4	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.42	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.75	67	2.1
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.2	.06
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.1	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	37	.00
25	.00	.00	.00	.00	.90	.00	.00	.00	.00	.00	6.0	.00
26	.00	.00	.00	.00	.93	.84	.00	.00	.00	.00	47	.00
27	.00	.00	.00	.00	.00	1.5	.00	.00	.00	.00	5.7	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.4	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	3.7	2.5	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	1.8	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	1.3	---
TOTAL	45.63	.00	.00	.00	14.56	5.14	.00	2.30	.00	4.77	185.35	95.46
MEAN	1.47	.000	.000	.000	.52	.17	.000	.074	.000	.15	5.98	3.18
MAX	28	.00	.00	.00	5.5	1.7	.00	1.6	.00	3.7	67	56
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	91	.00	.00	.00	29	10	.00	4.6	.00	9.5	368	189

CAL YR 1981 TOTAL 213.12 MEAN .58 MAX 76 MIN .00 AC-FT 423
WTR YR 1982 TOTAL 353.21 MEAN .97 MAX 67 MIN .00 AC-FT 701

SAN JUAN RIVER BASIN

(24) 09367680 CHACO WASH AT CHACO CANYON NATIONAL MONUMENT, NM

LOCATION.--Lat 36°01'43", long 107°55'04", in NW¼NE¼ sec. 29, T.21 N., R.10 W., San Juan County, Hydrologic Unit 14080106, on downstream side of center bridge pier, 800 ft (240 m) downstream from Fajada Wash, and 0.5 mi (0.8 km) southwest of Chaco Canyon National Monument Visitors Center.

DRAINAGE AREA.--578 mi² (1,497 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1976 to current year.

REVISED RECORDS.--WDR NM-80-1: 1979.

GAGE.--Water-stage recorder. Altitude of gage is 6,140 ft (1,871 m), from topographic map.

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--6 years, 4.76 ft³/s (0.135 m³/s), 3,450 acre-ft/yr (4.25 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,260 ft³/s (35.7 m³/s) Jan. 18, 1979, gage height, 6.62 ft (2.018 m), from rating curve extended above 350 ft³/s (9.91 m³/s) on basis of slope-area measurements at gage heights, 3.44 ft (1.049 m), 3.68 ft (1.122 m) and 5.32 ft (1.622 m); no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft³/s (2.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 3	1200	344 9.74	3.29 1.003	Aug. 24	0515	416 11.8	3.60 1.097
Aug. 21	0545	*429 12.1	3.65 1.113				

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.68	.64	.00	.00	.00	.00	.00
2	45	.00	.00	.00	.00	.29	.49	.00	.00	.00	.00	.60
3	187	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.04
4	56	.00	.00	.00	.00	1.2	.03	1.6	.00	.00	1.4	.60
5	.00	.00	.00	.00	.00	.26	.00	.00	.00	.00	.17	2.4
6	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.01	.00
7	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	5.0	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00
9	.00	.00	.00	.00	.00	.25	.00	.00	.00	.00	.43	.68
10	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.41	4.3
11	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	1.2	.47
12	.00	.00	.00	.00	.38	.28	.00	.19	.00	.00	.51	1.1
13	.00	.00	.00	.00	.00	.76	.00	.47	.00	.00	1.3	7.9
14	.00	.00	.00	.00	.00	30	.00	.31	.00	.00	1.0	.30
15	.00	.00	.00	.00	.00	9.4	.00	.16	.00	.00	.57	.00
16	.00	.00	.00	.00	.00	3.8	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	1.7	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.36	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.73	.00	50
20	.00	.00	.00	.00	7.3	.00	.00	.00	.00	.12	.00	12
21	.00	.00	.00	.00	16	.00	.00	.00	.00	2.4	155	3.7
22	.00	.00	.00	.00	10	.00	.00	.00	.00	.11	5.6	.66
23	.00	.00	.00	.00	6.7	.00	.00	.00	.00	.35	6.6	.05
24	.00	.00	.00	.00	4.1	.00	.00	.00	.00	.00	145	.00
25	.00	.00	.00	.00	3.1	.00	.00	.00	.00	.00	70	.00
26	.00	.00	.00	.00	1.4	2.8	.00	.00	.00	.00	187	.00
27	.00	.00	.00	.00	2.4	4.4	.00	.00	.00	.00	179	.00
28	.00	.00	.00	.00	.95	1.7	.00	.00	.00	.00	22	.00
29	.00	.00	.00	.00	---	.76	.00	.00	.00	4.4	6.4	.00
30	.00	.00	.00	.00	---	2.0	.00	.00	.00	.14	11	.00
31	.00	---	.00	.00	---	2.0	---	.00	---	.02	2.5	---
TOTAL	288.00	.00	.00	.00	52.33	63.34	1.37	3.46	.00	7.97	802.74	84.80
MEAN	9.29	.0000	.0000	.0000	1.87	2.04	.046	.12	.000	.26	25.9	2.83
MAX	187	.00	.00	.00	16	30	.64	1.6	.00	4.4	187	50
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	571	.00	.00	.00	104	126	2.7	7.3	.00	16	1590	168

CAL YR 1981 TOTAL 767.52 MEAN 2.10 MAX 187 MIN .00 AC-FT 1520
WTR YR 1982 TOTAL 1304.21 MEAN 3.57 MAX 137 MIN .00 AC-FT 2590

SAN JUAN RIVER BASIN

(25) 09367682 GALLO WASH AT CHACO CANYON NATIONAL MONUMENT, NM

LOCATION.--Lat 36°02'06", long 107°53'25", in SE¼NW¼SW¼ sec.22, T.21 N., R.10W., San Juan County, Hydrologic Unit 14080106, in Chaco Canyon National Monument on left bank, 1.1 mi (1.8 km) northeast of Chaco Canyon National Monument Visitors Center, and 3.2 mi (5.1 km) upstream from mouth.

DRAINAGE AREA.--36.2 mi² (93.8 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,220 ft (1,896 m), from topographic map.

REMARKS.--Water-discharge records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 254 ft³/s (7.19 m³/s) Jan. 18, 1979, gage height, 3.30 ft (1.006 m), from rating curve extended above 15 ft³/s (0.42 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--No flow during the water year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SE
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1980 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT .00
WTR YR 1981 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT .00

SAN JUAN RIVER BASIN

(26) 09367683 CHACO WASH AT PUEBLO BONITO BRIDGE AT CHACO CANYON NATIONAL MONUMENT, NM

LOCATION.--Lat 36°03'15", long 107°57'52", in NE¼NW¼ sec.13, T.21 N., R.11 W., San Juan County, Hydrologic Unit 14080106, in Chaco Canyon National Monument, on downstream side of center bridge pier, 800 ft (244 m) south of Pueblo Bonito Ruins, 2.3 mi (3.7 km) downstream from Gallo Wash, and 3.6 mi (5.8 km) northwest of Chaco Canyon National Monument Visitors Center.

DRAINAGE AREA.--619 mi² (1,603 km²)

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--March 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,090 ft (1,856.2 m) from topographic map.

REMARKS.--Water-discharge records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 428 ft³/s (12.1 m³/s) Aug. 24, 1982, gage height, 5.84 ft (1.780 m), from rating curve extended above 175 ft³/s (5.0 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 428 ft³/s (12.1 m³/s) at 0645 hours Aug. 24, gage height, 5.84 ft (1.780 m) from rating curve extended above 175 ft³/s (5.0 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

REVISIONS.--Revised figures of discharge and annual maximum (*) for the water year 1981, superseding those published in the report for 1981 are given herein.

Water Year	Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
1981	June 30	0430	300	8.50	4.92	1.500

DISCHARGE, IN CUBIC FEET PER SECOND OCTOBER 1980 TO SEPTEMBER 1981

March 16, 1981	0.85	July 9, 1981	12	August 8, 1981	33
March 17, 1981	2.3	July 10, 1981	2.0	August 9, 1981	12
March 18, 1981	0.90	July 11, 1981	1.5	August 10, 1981	20
March 19, 1981	0.53	July 12, 1981	25	August 11, 1981	1.0
April 1, 1981	0.06	July 13, 1981	25	September 6, 1981	11
May 30, 1981	1.8	July 14, 1981	43	September 7, 1981	13
May 31, 1981	0.05	July 15, 1981	9.4	September 8, 1981	6.6
June 30, 1981	58	July 16, 1981	35	September 9, 1981	1.3
July 1, 1981	7.0	July 17, 1981	4.0	September 10, 1981	0.35
July 2, 1981	4.7	July 26, 1981	10	September 17, 1981	10
July 3, 1981	0.70	July 27, 1981	2.7	September 18, 1981	52
July 4, 1981	0.33	July 28, 1981	0.60	September 19, 1981	13
July 5, 1981	0.25	July 29, 1981	0.20	September 20, 1981	2.7
July 6, 1981	0.10				

Month	cfs-days	Maximum	Minimum	Mean	Runoff in acre-feet
March 1981.....	4.58	2.3	0	0.15	9.1
April 1981.....	0.06	0.06	0	0.002	0.1
May 1981.....	1.85	1.8	0	0.06	3.7
June 1981.....	58.00	58	0	1.93	115
July 1981.....	183.48	43	0	5.92	364
August 1981.....	66.00	33	0	2.13	131
September 1981.....	109.95	52	0	3.67	218
WTR YR 1981.....	423.92	58	0	1.16	841

NOTE: Flow occurred only on days listed above.

SAN JUAN RIVER BASIN

(26 Con't) 09367683 CHACO WASH AT PUEBLO BONITO BRIDGE AT CHACO NATL MON, NM -- Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	1.8	.43	.00	.00	.00	.00	.00
2	50	.00	.00	.00	.00	1.0	.28	.00	.00	.00	.00	.50
3	168	.00	.00	.00	.00	.86	.18	.00	.00	.00	.03	.05
4	56	.00	.00	.00	.00	5.8	.00	.24	.00	.00	1.1	.00
5	.00	.00	.00	.00	.00	2.0	.00	1.0	.00	.00	.10	3.2
6	.00	.00	.00	.00	.00	1.0	.00	.06	.00	.00	.00	.05
7	.00	.00	.00	.00	.00	.84	.00	.00	.00	.00	4.7	.00
8	.00	.00	.00	.00	.00	.66	.00	.00	.00	.00	.20	.00
9	.00	.00	.00	.00	.00	.55	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00	.34	5.4
11	.00	.00	.00	.00	.00	.46	.00	.00	.00	.00	.72	.26
12	.00	.00	.00	.00	.00	.39	.00	.00	.00	.00	.21	.36
13	.00	.00	.00	.00	.00	.35	.00	.00	.00	.00	.06	9.6
14	.00	.00	.00	.00	.00	19	.00	.00	.00	.00	1.4	1.5
15	.00	.00	.00	.00	.00	9.4	.00	.00	.00	.00	.10	.41
16	.00	.00	.00	.00	.00	4.0	.00	.00	.00	.00	.00	.15
17	.00	.00	.00	.00	.00	1.5	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	9.4	.00	.00	.00	.00	.00	.00	37
21	.00	.00	.00	.00	13	.00	.00	.00	.00	.87	153	.00
22	.00	.00	.00	.00	16	.00	.00	.00	.00	.00	17	.00
23	.00	.00	.00	.00	11	.00	.00	.00	.00	.00	21	.00
24	.00	.00	.00	.00	6.2	.00	.00	.00	.00	.00	150	.00
25	.00	.00	.00	.00	6.9	.00	.00	.00	.00	.00	82	.00
26	.00	.00	.00	.00	3.9	3.0	.00	.00	.00	.00	157	.00
27	.00	.00	.00	.00	6.0	7.8	.00	.00	.00	.00	167	.00
28	.00	.00	.00	.00	2.3	2.0	.00	.00	.00	.00	25	.00
29	.00	.00	.00	.00	---	.90	.00	.00	.00	3.5	5.0	.00
30	.00	.00	.00	.00	---	2.0	.00	.00	.00	.32	10	.00
31	.00	---	.00	.00	---	.80	---	.00	---	.01	2.0	---
TOTAL	274.00	.00	.00	.00	74.70	67.09	.89	1.30	.00	4.70	797.96	73.48
MEAN	8.84	.000	.000	.000	2.67	2.16	.030	.042	.000	.15	25.7	2.45
MAX	168	.00	.00	.00	16	19	.43	1.0	.00	3.5	167	37
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	543	.00	.00	.00	148	133	1.8	2.6	.00	9.3	1580	146

CAL YR 1981 TOTAL 697.92 MEAN 1.91 MAX 168 MIN .00 AC-FT 1330
WTR YR 1982 TOTAL 1294.12 MEAN 3.55 MAX 168 MIN .00 AC-FT 2570

SAN JUAN RIVER BASIN

(27) 09367685 AH-SHI-SLE-PAH WASH NEAR KIMBETO, NM

LOCATION (REVISED).--Lat 36°09'13", long 107°56'47", in NW¼SW¼ sec.7, T.22 N., R.10 W., San Juan County, Hydrologic Unit 14080106, on right bank 6.0 mi (9.7 km) west of Kimbeto, and 6.0 mi (9.7 km) upstream from mouth.

DRAINAGE AREA.--8.2 mi² (21.2 km²).

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--March 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,180 ft (1,884 m) from topographic map.

REMARKS.--Water-discharge records fair. Recording rain gage at station.

AVERAGE DISCHARGE.--5 years, 1.29 ft³/s (0.037 m³/s), 935 acre-ft/yr (1.15 hm³/yr)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft³/s (33.1 m³/s) July 20, 1977, gage height, 4.46 ft (1.359 m), from rating curve extended above 6.0 ft³/s (0.17 m³/s) on basis of step-back water analysis; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft³/s (8.5 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
July 30	2035	*688 19.5	3.21 0.978	Sept. 12	1755	310 8.78	2.05 0.625
Aug. 22	1805	304 8.61	2.03 0.619				

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	37	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	5.6	.00	.01	.00	.00	24	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	4.4	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00
6	.00	.00	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.5	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	6.1	.00	.00	.00	.00	.00	4.7	.00
11	.00	.00	.00	.00	14	.00	.00	.00	.00	.00	6.2	5.7
12	.00	.00	.00	.00	15	.02	.00	24	.00	.00	.00	36
13	.00	.00	.00	.00	8.7	35	.00	4.3	.00	.00	.29	.00
14	.00	.00	.00	.00	10	2.8	.00	.00	.00	.00	.02	.27
15	.00	.00	.00	.00	12	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	24	.00	.00	.00	.00	.16	.00	.00
17	.00	.00	.00	.00	44	.00	.00	.00	.00	.09	.00	.00
18	.00	.00	.00	.00	11	.00	.00	.00	.00	12	.00	1.2
19	.00	.00	.00	2.0	20	.00	.00	.00	.00	.99	.00	.32
20	.00	.00	.00	2.0	15	.00	.00	.00	.00	.01	.00	.00
21	.00	.00	.00	1.1	3.3	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.85	3.3	.00	.00	.00	.00	.00	.25	.00
23	.00	.00	.00	.55	2.8	.00	.15	.00	.00	.00	.71	.00
24	.00	.00	.00	.84	6.0	.00	.16	.00	.00	.00	.22	.00
25	.00	.00	.00	1.5	13	.00	.00	.00	.00	.00	.11	.00
26	.00	.00	.00	1.1	19	34	.00	.00	.00	.00	3.6	.00
27	.00	.00	.00	.55	12	1.6	.00	.00	.00	.15	.00	.00
28	.00	.00	.00	.00	.20	.00	.00	.00	.00	.23	.00	.00
29	.00	.61	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.34	.00	.00	---	.00	.00	.00	.00	.62	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	1.4	.00	---
TOTAL	42.60	.95	.08	10.79	239.40	97.42	.31	33.00	.00	114.65	81.02	43.49
MEAN	1.37	.032	.003	.35	8.55	3.14	.010	1.06	.000	3.70	2.61	1.45
MAX	37	.61	.05	2.0	.44	.35	.16	.24	.00	.62	.25	.36
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	84	1.9	.2	21	475	193	.6	65	.00	227	161	86
(++)	0.75	0.20	0.02	0.16	0.84	1.30	0.14	0.65	0.04	1.50	0.98	0.59

CAL YR 1981 TOTAL 319.79 MEAN .88 MAX 55 MIN .00 AC-FT 634
WTR YR 1982 TOTAL 663.71 MEAN 1.82 MAX 62 MIN .00 AC-FT 1320

(++) Monthly rainfall, in inches.

SAN JUAN RIVER BASIN

(28) 09367687 KIM-ME-NI-OLI WASH NEAR CROWNPOINT, NM

LOCATION.--Lat 35°50'55", long 108°03'36", in SE¼NE¼ sec. 25, T.19 N., R.12 W., McKinley County, Hydrologic Unit 14080106, on left bank, 1.0 mi (1.6 km) north of proposed Phillips Petroleum Nose Rock Uranium Mine, 4.5 mi (7.2 km) north of State Highway 57, and 13.2 mi (21.2 km) northeast of Crownpoint.

DRAINAGE AREA.--228 mi² (590 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1981 to September 1982.

GAGE.--Water-stage recorder. Altitude of gage 6,300 ft (1,920 m) from topographic map.

REMARKS.--Water-discharge records fair. Base discharge is result of discharge from proposed Phillips Petroleum Nose Rock Uranium Mine which is upstream 1.0 mi (1.6 km). Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,060 ft³/s (30.0 m³/s), gage height, 4.49 ft (1.369 m) Sept. 21, 1982 from rating curve extended above 10 ft³/s (0.3 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 1.1 ft³/s (0.031 m³/s) Jan. 10, 1982.

EXTREMES CURRENT YEAR.--Maximum discharge, 1,060 ft³/s (30.0 m³/s) at 0115 hours Sept. 21, gage height, 4.49 ft (1.369 m) from rating curve extended above 10 ft³/s (0.3 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 1.1 ft³/s (0.031 m³/s) Jan. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	3.9	4.0	3.1	3.1	6.2	4.5	4.8	4.6	5.5	5.0	4.9
2	25	4.0	4.1	3.2	3.1	6.2	4.5	5.0	5.0	5.5	5.0	4.9
3	70	4.0	4.2	3.1	3.1	6.0	4.7	5.0	6.4	5.2	5.2	5.0
4	18	3.9	4.4	3.1	3.2	6.0	4.6	5.1	5.4	5.3	5.1	11
5	12	3.9	4.3	3.0	3.2	6.1	4.7	5.0	4.8	5.1	5.0	9.1
6	9.2	3.9	4.3	2.8	3.4	6.1	4.5	4.8	4.9	5.2	5.0	5.1
7	7.2	3.8	4.1	1.6	3.5	5.7	4.6	4.8	5.3	5.2	7.5	4.6
8	6.5	3.9	4.1	1.2	3.9	5.7	4.7	4.7	5.2	5.2	4.6	4.5
9	6.5	3.9	4.1	1.2	4.4	5.7	4.9	4.6	5.2	5.0	4.5	4.5
10	6.4	3.9	4.1	1.1	4.6	5.7	4.8	4.6	5.2	5.2	4.5	4.5
11	6.3	3.9	4.1	1.2	4.5	5.7	4.9	4.8	5.3	5.0	4.8	4.5
12	6.2	3.9	4.1	1.2	4.2	5.7	4.7	4.9	5.2	5.0	4.8	4.5
13	6.2	3.9	4.1	1.2	4.2	6.1	4.9	5.0	5.2	5.0	5.6	4.5
14	5.8	3.9	3.9	1.3	4.5	6.6	4.8	4.9	5.0	4.9	4.8	4.6
15	2.6	3.9	3.8	1.2	5.1	5.7	5.0	4.8	5.0	5.0	4.7	5.2
16	1.7	3.9	3.4	1.3	5.7	5.6	5.0	4.8	5.2	4.8	4.5	5.4
17	1.7	3.9	3.4	1.6	6.6	5.4	5.0	5.8	5.2	5.1	4.5	5.4
18	2.9	3.9	3.4	2.0	6.8	5.1	5.0	4.9	5.2	5.1	4.6	7.0
19	3.6	3.9	3.4	4.6	6.6	5.1	5.0	4.4	5.2	5.1	4.7	6.4
20	3.7	4.0	3.2	5.1	6.5	5.2	5.0	4.6	5.4	5.0	9.0	32
21	3.7	4.0	3.3	1.5	6.6	5.2	4.7	4.6	5.7	5.0	10	168
22	3.7	4.0	3.9	1.5	6.5	5.2	4.1	4.5	5.7	5.0	4.7	6.9
23	3.8	4.0	3.8	1.9	6.7	5.2	4.4	4.5	5.8	4.9	4.5	4.6
24	3.8	3.9	3.3	2.5	6.7	5.2	4.9	4.5	5.8	4.6	5.7	5.0
25	3.8	3.9	3.2	3.3	6.5	5.2	4.9	4.5	5.8	4.8	7.4	5.0
26	3.9	4.0	3.3	4.2	6.5	5.2	7.2	4.5	5.6	5.0	5.2	4.9
27	4.0	4.0	3.2	5.8	6.3	5.2	5.4	4.3	5.7	5.4	4.8	4.7
28	3.9	4.1	3.3	5.0	6.2	5.1	4.9	4.3	5.6	5.0	4.8	5.0
29	3.8	4.1	3.3	3.9	---	4.8	4.9	4.6	5.5	5.1	4.9	5.2
30	3.8	4.0	3.1	3.1	---	4.6	4.7	4.7	5.6	5.0	4.9	5.2
31	3.9	---	3.2	3.1	---	4.8	---	4.8	---	5.0	5.0	---
TOTAL	250.1	118.2	115.4	79.9	142.2	171.3	145.9	147.1	160.7	157.2	165.3	352.1
MEAN	8.07	3.94	3.72	2.59	5.08	5.53	4.86	4.75	5.36	5.07	5.33	11.7
MAX	70	4.1	4.4	5.8	6.8	6.6	7.2	5.8	6.4	5.5	10	168
MIN	1.7	3.8	3.1	1.1	3.1	4.6	4.1	4.3	4.6	4.6	4.5	4.5
AC-FT	496	234	229	158	282	340	289	292	319	312	328	698

WTR YR 1982 TOTAL 2005.4 MEAN 5.49 MAX 168 MIN 1.1 AC-FT 3980

SAN JUAN RIVER BASIN

(29) 09367689 KIM-ME-NI-OLI WASH NEAR LAKE VALLEY, NM

LOCATION.--Lat 35°58'45", long 108°08'15", in NE¼SW¼ sec.8, T.20 N., R. 12 W., McKinley County, Hydrologic Unit 14080106, on left bank, 100 ft (30.5 m) below primitive road crossing, 4.1 mi (6.6 km) east of State Highway 371, 8.5 mi (13.7 km) upstream from Lake Valley, and 9.0 mi (14.5 km) upstream from mouth.

DRAINAGE AREA.--400 mi² (1,036 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1981 to September 1982.

GAGE.--Water-stage recorder. Altitude of gage 6,060 ft (1,847 m) from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 320 ft³/s (9.06 m³/s) Sept. 21, 1982, gage height, 2.50 ft (0.762 m) from rating curve extended above 10 ft³/s (0.3 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 2.1 ft³/s (0.059 m³/s) Oct. 17, 18, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 320 ft³/s (9.06 m³/s) at 1145 hours Sept. 21, gage height, 2.50 ft (0.762 m) from rating curve extended above 10 ft³/s (0.3 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 2.1 ft³/s (0.059 m³/s) Oct. 17, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	3.8	3.7	3.4	2.5	4.2	4.0	4.7	4.2	3.7	4.0	5.0
2	6.9	4.0	4.7	3.4	2.5	4.2	3.9	4.8	4.1	3.8	6.4	5.0
3	54	4.0	5.5	3.3	2.5	4.1	3.9	5.0	4.1	3.8	19	5.0
4	27	4.0	5.0	3.2	2.6	5.9	4.1	4.9	4.5	3.8	5.0	5.0
5	11	3.5	3.6	3.1	2.5	5.2	4.0	5.8	4.4	3.8	4.0	6.5
6	7.6	2.4	3.7	3.1	2.5	4.2	4.1	5.0	4.0	3.8	4.0	8.0
7	6.2	2.7	3.9	2.9	2.5	3.9	4.2	4.7	3.9	3.7	27	6.4
8	6.0	2.9	3.9	2.9	2.6	4.1	4.2	4.6	4.2	3.8	6.4	6.4
9	6.0	3.0	4.0	2.8	2.6	4.0	4.2	4.4	4.2	3.8	5.0	6.4
10	5.9	3.1	3.9	2.7	2.6	4.0	4.3	4.4	4.2	3.7	4.4	6.5
11	5.8	3.2	3.8	2.6	2.6	4.0	4.5	4.5	4.2	4.0	4.4	6.9
12	5.8	3.2	3.9	2.6	2.6	4.0	4.3	4.6	4.1	4.0	4.4	7.0
13	5.9	3.3	3.9	2.5	2.6	4.5	4.3	5.1	3.9	4.0	5.6	7.0
14	5.8	3.4	4.2	2.5	2.6	5.4	4.4	4.8	4.0	4.0	5.4	7.4
15	5.2	3.5	4.0	2.4	2.5	4.5	4.3	4.6	3.9	4.0	4.8	5.5
16	2.3	3.4	3.8	2.4	2.9	4.0	4.3	4.7	4.0	3.8	4.4	4.1
17	2.1	3.4	5.0	2.4	4.2	3.9	4.4	4.7	4.0	3.7	4.4	4.1
18	2.1	3.3	4.7	2.9	4.4	3.7	4.6	5.1	4.0	4.0	4.4	4.2
19	2.6	3.2	3.4	3.3	4.5	3.4	4.5	4.7	4.0	4.1	4.1	4.8
20	3.4	2.9	3.8	3.6	4.5	3.4	4.6	4.2	4.0	4.0	4.0	7.9
21	3.5	2.6	4.2	2.6	4.4	3.6	4.6	4.3	4.0	3.8	20	55
22	3.6	3.5	4.4	2.5	4.4	3.5	4.4	4.4	4.1	3.8	11	29
23	3.6	3.5	4.0	2.5	4.4	3.5	3.9	4.4	4.0	3.4	14	8.8
24	3.7	3.9	3.9	2.6	4.2	3.7	4.3	4.2	3.8	3.4	18	4.4
25	3.6	3.6	4.0	2.9	4.9	3.9	4.7	4.3	4.0	3.4	8.3	3.8
26	3.7	3.0	3.9	3.8	5.0	3.9	4.7	4.4	4.0	3.4	13	3.7
27	3.8	3.4	3.8	4.6	4.6	4.2	5.6	4.2	3.8	3.6	5.6	3.5
28	3.8	3.5	3.8	3.0	4.5	4.1	5.1	4.2	3.8	4.4	4.6	3.4
29	3.8	3.6	3.7	2.6	---	4.0	4.7	4.0	3.8	12	4.7	3.7
30	3.6	3.4	3.6	2.5	---	3.9	4.7	4.0	3.6	48	4.8	3.8
31	3.6	---	3.6	2.5	---	4.1	---	4.2	---	5.6	4.9	---
TOTAL	217.9	100.2	125.3	90.1	95.2	127.0	131.8	141.9	120.8	172.1	240.0	238.2
MEAN	7.03	3.34	4.04	2.91	3.40	4.10	4.39	4.58	4.03	5.55	7.74	7.94
MAX	54	4.0	5.5	4.6	5.0	5.9	5.6	5.8	4.5	48	27	55
MIN	2.1	2.4	3.4	2.4	2.5	3.4	3.9	4.0	3.6	3.4	4.0	3.4
AC-FT	432	199	249	179	189	252	261	281	240	341	476	472

WTR YR 1982 TOTAL 1800.5 MEAN 4.93 MAX 55 MIN 2.1 AC-FT 3570

SAN JUAN RIVER BASIN

(30) 09367710 DE-NA-ZIN WASH NEAR BISTI TRADING POST, NM

LOCATION.--Lat 36°13'51", long 108°11'57", in NE¼NW¼ sec. 14, T.23 N., R.13 W., San Juan County, Hydrologic Unit 14080106, on right bank 400 ft (122 m) upstream from State Highway 371, 0.8 mi (1.3 km) downstream from Alamo Wash, 4.5 mi (7.2 km) southeast of Bisti Trading Post, and at mile 7.3 (11.7 km).

DRAINAGE AREA.--184 mi² (477 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1975 to September 1982 (discontinued).

REVISED RECORDS.--WDR NM-79-1: 1978(P).

GAGE.--Water-stage recorder. Altitude of gage is 5,840 ft (1,780 m), from topographic map.

REMARKS.--Water-discharge records poor.

AVERAGE DISCHARGE.--6 years, 4.96 ft³/s (0.140 m³/s), 3,590 acre-ft/yr (4.43 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft³/s (56.9 m³/s), May 7, 1978, gage height, 3.20 ft (0.975 m) from rating curve extended above 90 ft³/s (2.5 m³/s) on basis of slope-area measurement of peak flow; maximum gage height, 5.40 ft (1.646 m) Aug. 20, 1982; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.9 m³/s), maximum (*).

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 2	2330	1180 33.4	3.40 1.036	Aug. 24	0615	794 22.5	4.30 1.311
Aug. 20	2030	*1480 41.9	5.40 1.646	Sept. 11	1300	854 24.2	4.40 1.341
Aug. 22	1930	1220 34.6	5.00 1.524	Sept. 12	1700	1240 35.1	5.00 1.524

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	1.0	.00	5.1	.00	.00	.25	.00
2	93	.00	.00	.00	.00	.13	.00	10	.00	.00	12	.00
3	59	.00	.00	.00	.00	26	.00	1.5	.00	.00	26	.00
4	6.0	.00	.00	.00	.00	10	.00	4.0	.00	.00	.42	.00
5	.26	.00	.00	.00	.00	.07	.00	15	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	2.8	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.87	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	22
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	25
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	16	24
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.4	245
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	15	258
13	.00	.00	.00	.00	2.3	3.6	.00	2.7	.00	.00	16	28
14	.00	.00	.00	.00	5.0	19	.00	.60	.00	.00	.07	2.3
15	.00	.00	.00	.00	14	.63	.00	.00	.00	.00	.00	.32
16	.00	.00	.00	.00	48	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	33	.00	.00	.00	.00	12	.00	.00
18	.00	.00	.00	.00	2.8	.00	.00	.00	.00	.16	.00	.00
19	.00	.00	.00	.00	36	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	3.2	.00	.00	.00	.00	.00	80	.00
21	.00	.00	.00	.00	2.8	.00	.00	.00	.00	.00	21	7.1
22	.00	.00	.00	.00	10	.00	.00	.00	.00	.00	78	1.8
23	.00	.00	.00	.00	3.6	.00	.00	.00	.00	.00	.10	.00
24	.00	.00	.00	.00	1.8	.00	.00	.00	.00	.00	57	.00
25	.00	.00	.00	.00	30	.00	.00	.00	.00	.00	33	.00
26	.00	.00	.00	.00	30	.89	.00	.00	.00	.00	31	.00
27	.00	.00	.00	.00	16	20	.00	.00	.00	.00	23	.00
28	.00	.00	.00	.00	16	.07	.00	.00	.00	.58	22	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	6.6	13	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	9.9	5.5	.00
31	.00	---	.00	.00	---	.00	---	.00	---	14	2.9	---
TOTAL	158.26	.00	.00	.00	254.50	81.39	.00	42.57	.00	43.24	456.64	613.52
MEAN	5.11	.000	.000	.000	9.09	2.63	.000	1.37	.000	1.39	14.7	20.5
MAX	93	.00	.00	.00	48	26	.00	15	.00	14	80	258
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	314	.00	.00	.00	505	161	.00	84	.00	86	906	1220

CAL YR 1981 TOTAL 1203.21 MEAN 3.30 MAX 201 MIN .00 AC-FT 2390
WTR YR 1982 TOTAL 1650.12 MEAN 4.52 MAX 258 MIN .00 AC-FT 3270

SAN JUAN RIVER BASIN

(31) 09367900 BLACK SPRINGS WASH NEAR MEXICAN SPRINGS, NM

LOCATION.--Lat 35°45'40", long 108°49'00", McKinley County, Hydrologic Unit 14080106, in Navajo Indian Reservation, on left bank 0.9 mi (1.4 km) upstream from Figueredo Wash, 2.5 mi (4.0 km) south of Mexican Springs and 17 mi (27.4 km) north of Gallup.

DRAINAGE AREA.--7.05 mi² (18.3 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1953-78 (annual maximum only), April 1979 to September 1982 (discontinued).

GAGE.--Water-stage recorder with rock and concrete artificial control. Altitude of gage is 6,300 ft (1,902.2 m) from topographic map. Prior to April 12, 1979 at datum 2.01 ft (0.613 m) higher.

REMARKS.--Water-discharge records fair. Recording rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,200 ft³/s (62.3 m³/s) Aug. 18, 1955, gage height, 4.77 ft (1.454 m); Maximum gage height, 4.89 ft (1.490 m) July 14, 1981; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 469 ft³/s (13.3 m³/s) at 2250 hours Aug. 23, gage height, 2.69 ft (0.820 m); no flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.0
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.3	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	43	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	61.20	3.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.97	.10
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	43	2.0
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	121	6.0
(++)	0.62	---	---	---	---	0.62	0.24	0.65	0.00	0.66	4.17	0.59

CAL YR 1981 TCTAL 160.55 MEAN .44 MAX 115 MIN .00 AC-FT 318
WTR YR 1982 TOTAL 64.20 MEAN .18 MAX 43 MIN .00 AC-FT 127

(++) Monthly rainfall, in inches.

SAN JUAN RIVER BASIN

(32) 09367930 HUNTER WASH AT BISTI TRADING POST, NM

LOCATION.--Lat 36°16'37", long 108°15'12", in NW¼NW¼ sec.32, T.24 N., R.13 W., San Juan County, Hydrologic Unit 14080106, on right bank 150 ft (46 m) upstream from road crossing at Bisti Trading Post, and 35 mi (56 km) south of Farmington.

DRAINAGE AREA.--45.6 mi² (118 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1975 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,770 ft (1,759 m), from topographic map.

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--7 years, 0.91 ft³/s (0.026 m³/s), 659 acre-ft/yr (812,500 m³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,570 ft³/s (44.5 m³/s) Aug. 19, 1976, gage height, 6.22 ft (1.896 m), from rating curve extended above 60 ft³/s (1.70 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 200 ft³/s (5.7 m³/s), revised, and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 2	2215	586 16.6	3.94 1.201	Aug. 11	2330	274 7.76	3.08 0.939
July 16	1315	235 6.66	3.05 0.930	Aug. 13	1815	718 20.3	4.26 1.298
July 30	1800	*738 20.9	4.32 1.317	Sept. 11	1330	590 16.7	3.95 1.204
Aug. 2	1800	534 15.1	3.81 1.161				

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	10	.00	.00	.00	.00
2	73	.00	.00	.00	.00	.00	.00	3.7	.00	.00	45	.00
3	46	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.5	.00
4	.00	.00	.00	.00	.00	.08	.00	9.6	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	3.6	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00	1.9
10	.00	.00	.00	.00	3.9	.00	.00	.00	.00	.00	2.6	6.1
11	.00	.00	.00	.00	4.1	.00	.00	.00	.00	.00	11	73
12	.00	.00	.00	.00	4.8	.00	.00	.00	.00	.00	15	25
13	.00	.00	.00	.00	2.5	.92	.00	.00	.00	.00	78	.15
14	.00	.00	.00	.00	1.5	.00	.00	.00	.00	.00	.62	.00
15	.00	.00	.00	.00	.80	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	13	.00	.00	.00	.00	9.8	.00	.00
17	.00	.00	.00	.00	1.9	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.74	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	1.5	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	1.9	.00	.00	.00	.00	.00	4.5	1.2
21	.00	.00	.00	.00	.88	.00	.00	.00	.00	.00	3.9	.00
22	.00	.00	.00	.00	.34	.00	.00	.00	.00	.00	6.3	.00
23	.00	.00	.00	.00	.13	.00	.00	.00	.00	.00	.20	.00
24	.00	.00	.00	.00	4.3	.00	.00	.00	.00	.00	4.0	.00
25	.00	.00	.00	.00	30	.00	.00	.00	.00	.00	9.0	.00
26	.00	.00	.00	.00	23	2.6	.00	.00	.00	.00	.25	.00
27	.00	.00	.00	.00	.00	9.5	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	2.5	.00	.00	---	.00	.00	.00	.00	3.9	.00	.00
30	.00	.00	.00	.00	---	.00	1.8	.00	.00	30	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	119.00	2.50	.00	.00	95.41	26.10	1.80	26.90	.00	43.70	186.87	107.35
MEAN	3.84	.083	.000	.000	3.41	.84	.060	.87	.000	1.41	6.03	3.59
MAX	73	2.5	.00	.00	30	13	1.8	10	.00	30	78	73
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	236	5.0	.00	.00	189	52	3.6	53	.00	87	371	213

CAL YR 1981 TOTAL 443.93 MEAN 1.22 MAX 73 MIN .00 AC-FT 980
WTR YR 1982 TOTAL 409.63 MEAN 1.67 MAX 78 MIN .00 AC-FT 1210

SAN JUAN RIVER BASIN

(33) 09367934 TEEC-NI-DI-TSO WASH NEAR BURNHAM TRADING POST, NM

LOCATION.--Lat 36°18'26", long 108°27'22", San Juan County, Hydrologic Unit 14080106, in Navajo Indian Reservation, on right bank 4.9 mi (7.9 km) southeast of Burnham Trading Post, and 6.5 mi (10.5 km) upstream from mouth.

DRAINAGE AREA.--7.2 mi² (18.6 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,500 ft (1,676 m), from topographic map.

REMARKS.--Water-discharge records poor.

AVERAGE DISCHARGE.--5 years, 0.154 ft³/s (0.004 m³/s), 112 acre-ft/yr (138,100 m³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft³/s (52.1 m³/s), Aug. 24, 1982, gage height, 5.70 ft (1.737 m), from floodmarks, from rating curve extended above 40 ft³/s (0.85 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,840 ft³/s (52.1 m³/s) at 0030 hours Aug. 24, gage height, 5.70 ft (1.737 m), from floodmarks, from rating curve extended above 40 ft³/s (0.85 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.39	.00	.00	.00	.00
2	2.0	.00	.00	.00	.00	.00	.00	.94	.00	.00	.00	.00
3	.50	.00	.00	.00	.00	1.9	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	2.1	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	2.4	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	5.8	.00	.00	.00	.00	.00	.61	.00
17	.00	.00	.00	.00	9.9	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	4.2	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	3.8	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	1.1	.00	.00	.00	.00	.00	.57	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.92	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.6	.00
23	.00	.00	.00	.00	.00	.00	1.0	.00	.00	.00	.90	.00
24	.00	.00	.00	.00	.52	.00	.00	.00	.00	.00	45	.00
25	.00	.00	.00	.00	11	.00	.00	.00	.00	.58	16	.00
26	.00	.00	.00	.00	3.3	.00	.00	.00	.00	.00	1.0	.00
27	.00	.00	.00	.00	.68	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	1.8	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.12	.00	.00	---	.00	.00	.00	.00	.86	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.02	.00	---
TOTAL	2.50	1.92	.00	.00	40.30	2.40	1.00	5.87	.00	1.46	67.60	.07
MEAN	.081	.064	.000	.000	1.44	.077	.033	.19	.000	.047	2.19	.002
MAX	2.0	1.8	.00	.00	11	1.9	1.0	2.4	.00	.86	45	.07
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	5.0	3.8	.00	.00	80	4.8	2.0	12	.00	2.9	134	.1
CAL YR 1981	TOTAL	15.17	MEAN	.042	MAX	2.9	MIN	.00	AC-FT	30		
WTR YR 1982	TOTAL	123.12	MEAN	.34	MAX	45	MIN	.00	AC-FT	244		

SAN JUAN RIVER BASIN

(34) 09367936 BURNHAM WASH NEAR BURNHAM, NM

LOCATION.--Lat 36°21'11", long 108°27'16", San Juan County, Hydrologic Unit 14080106, in Navajo Indian Reservation, on left bank 3.0 mi (4.8 km) upstream from Brimhall Wash, 3.2 mi (5.1 km) east of Burnham Trading Post, and 32 mi (51.5 km) southeast of Shiprock.

DRAINAGE AREA.--8.6 mi² (22.3 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September 1982 (discontinued).

GAGE.--Water-Stage recorder and concrete control. Altitude of gage is 5,480 ft (1,670 m), from topographic map.

REMARKS.--Water-discharge records poor.

AVERAGE DISCHARGE.--5 years, 0.316 ft³/s (0.009 m³/s), 229 acre-ft/year (282,400 m³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 518 ft³/s (14.7 m³/s) Sept. 7, 1978, gage height, 4.20 ft (1.280 m) from rating curve extended above 20 ft³/s (0.57 m³/s) on basis of slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft³/s (2.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
May 4	1815	157 4.45	2.65 0.808	Aug. 22	1630	*398 11.3	3.76 1.146
Aug. 16	2115	395 11.2	3.75 1.143	Aug. 24	0030	387 11.0	3.72 1.134

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.46	.00	.00	.00	.00
2	5.9	.00	.00	.00	.00	.00	.00	1.2	.00	.00	.00	.00
3	1.3	.00	.00	.00	.00	.53	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	3.6	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.75	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.96	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	3.0	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	7.2	.00	.00	.00	.00	.00	.00	.02
13	.00	.00	.00	.00	8.4	.67	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	7.0	.67	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	6.4	.02	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	6.7	.00	.00	.00	.00	.00	12	.00
17	.00	.00	.00	.00	5.0	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	4.8	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	5.6	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	5.6	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	4.5	.00	.00	.00	.00	.00	.24	.00
22	.00	.00	.00	.00	1.1	.00	.00	.00	.00	.00	13	.00
23	.00	.00	.00	.00	.00	.00	.84	.00	.00	.00	.93	.00
24	.00	.00	.00	.00	1.0	.00	1.0	.00	.00	.00	17	.00
25	.00	.00	.00	.00	8.2	.00	.00	.00	.00	.01	.68	.00
26	.00	.00	.00	.00	2.0	.81	.00	.00	.00	.00	1.4	.00
27	.00	.00	.00	.00	.86	.86	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.34	.08	.00	.00	.00	.00	.00	.00
29	.00	1.5	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.28	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	7.20	1.78	.00	.00	78.66	3.64	1.84	6.01	.00	.01	45.25	.02
MEAN	.23	.059	.000	.000	2.81	.12	.061	.19	.000	.000	1.46	.001
MAX	5.9	1.5	.00	.00	8.4	.86	1.0	3.6	.00	.01	17	.02
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	14	3.5	.00	.00	156	7.2	3.6	12	.00	.02	90	.04

CAL YR 1981	TOTAL	29.88	MEAN	.082	MAX	5.9	MIN	.00	AC-FT	59
WTR YR 1982	TOTAL	144.41	MEAN	.40	MAX	17	MIN	.00	AC-FT	286

SAN JUAN RIVER BASIN

(35) 09367938 CHACO RIVER NEAR BURNHAM, NM

LOCATION.--Lat 36°21'57", long 108°33'57", San Juan County, Hydrologic Unit 14080106, in Navajo Indian Reservation, on downstream end of second pier on Navajo Highway bridge, 1,300 ft (396 m) downstream from Captain Tom Wash, 2,100 ft (640 m) downstream from Brimhall Wash, 3.5 mi (5.6 km) west of Burnham Trading Post, and about 35 mi (56.3 km) upstream from mouth.

DRAINAGE AREA.--3,640 mi² (9,430 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,320 ft (1,622 m), from topographic map.

REMARKS.--Water-discharge records poor.

AVERAGE DISCHARGE.--5 years, 26.0 ft³/s (0.737 m³/s), 18,840 acre-ft/yr (23.2 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,740 ft³/s (191 m³/s) Jan. 18, 1979, gage height, 4.38 ft (1.335 m) from rating curve extended above 3,540 ft³/s (100 m³/s); no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 3	Unknown	*6120 173	4.30 1.311	Aug. 20	1600	5040 143	4.14 1.262
Aug. 18	1930	4440 126	4.05 1.234	Sept. 2	1515	1380 39.1	3.49 1.064

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	38	1.7	.00	.00	1.0	42
2	.00	.00	.00	.00	.00	.00	19	2.2	.00	.00	.30	149
3	1680	.00	.00	.00	.00	9.2	29	4.9	.00	.00	1.6	30
4	74	.00	.00	.00	.00	19	35	4.0	.00	.00	15	3.9
5	1.2	.00	.00	.00	.00	17	28	3.5	.00	.00	3.0	.18
6	.00	.00	.00	.00	.00	17	34	3.0	.00	.00	8.8	2.3
7	.00	.00	.00	.00	.00	20	13	2.8	.00	.00	1.7	1.7
8	.00	.00	.00	.00	.00	29	3.1	3.4	.00	.00	1.4	1.1
9	.00	.00	.00	.00	.00	24	3.3	1.8	.00	.00	.25	2.0
10	.00	.00	.00	.00	.00	28	3.4	.76	.00	.00	.00	.46
11	.00	.00	.00	.00	.00	27	5.0	.16	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	27	5.1	.49	.00	.00	7.5	.00
13	.00	.00	.00	.00	.00	21	5.0	.80	.00	.00	.66	.00
14	.00	.00	.00	.00	.00	25	4.6	.00	.00	.00	24	.00
15	.00	.00	.00	.00	.00	21	3.6	.00	.00	.00	162	.29
16	.00	.00	.00	.00	.00	23	2.6	.00	.00	.00	220	.77
17	.00	.00	.00	.00	.00	28	3.1	.00	.00	.00	271	.20
18	.00	.00	.00	.00	.00	30	2.9	.00	.00	.00	725	.00
19	.00	.00	.00	.00	.00	17	2.1	.00	.00	.00	660	.31
20	.00	.00	.00	.00	.00	18	1.7	.00	.00	.00	707	.00
21	.00	.00	.00	.00	.00	19	1.6	.00	.00	.00	207	.05
22	.00	.00	.00	.00	.00	21	1.5	.00	.00	.00	50	.34
23	.00	.00	.00	.00	.00	21	1.5	.00	.00	.00	44	.60
24	.00	.00	.00	.00	.00	23	1.7	.00	.00	.00	44	2.4
25	.00	.00	.00	.00	.00	33	2.0	.00	.00	.00	26	2.5
26	.00	.00	.00	.00	.00	21	2.5	.00	.00	.78	56	.68
27	.00	.00	.00	.00	.00	23	2.0	.00	.00	.00	50	.00
28	.00	.00	.00	.00	.00	32	3.9	.00	.00	.09	275	.00
29	.00	2.5	.00	.00	---	20	3.8	.00	.00	.05	235	.00
30	.00	.00	.00	.00	---	20	2.7	.00	.00	.50	88	.06
31	.00	---	.00	.00	---	28	---	.00	---	8.8	51	---
TOTAL	1755.20	2.50	.00	.00	.00	661.20	264.7	29.51	.00	10.22	4001.55	240.84
MEAN	56.6	.083	.000	.000	.000	21.3	8.82	.95	.000	.33	129	8.03
MAX	1680	2.5	.00	.00	.00	33	38	4.9	.00	8.8	725	149
MIN	.00	.00	.00	.00	.00	.00	1.5	.00	.00	.00	.00	.00
AC-FT	3480	5.0	.00	.00	.00	1310	525	59	.00	20	7940	478

CAL YR 1981	TOTAL	4428.19	MEAN 12.1	MAX 1680	MIN .00	AC-FT 8780
WTR YR 1982	TOTAL	6965.72	MEAN 19.1	MAX 1680	MIN .00	AC-FT 13820

SAN JUAN RIVER BASIN

(36) 09367950 CHACO RIVER NEAR WATERFLOW, NM

LOCATION.--Lat 36°43'28", long 108°35'27", in SW¼SW¼ sec. 13, T.29 N., R.17 W., San Juan County, Hydrologic Unit 14080106, on downstream end of right bridge pier, 4.2 mi (6.8 km) upstream from Dead Mans Wash, 5.3 mi (8.5 km) downstream from the Hogback, 6.6 mi (10.6 km) southwest of Waterflow, 7.2 mi (11.6 km) southeast of Shiprock and at mile 4.5 (7.2 km).

DRAINAGE AREA.--4,350 mi² (11,300 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1959-69 (annual maximum only), November 1975 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,980 ft (1,518 m), from topographic map. Prior to 1975 at site 1.8 mi (2.9 km) upstream at different datum.

REMARKS.--Water-discharge records good except those for winter months, which are poor.. Base flow is mostly waste water from Four Corners Power Plant.

AVERAGE DISCHARGE.--6 years (water years 1977-82), 42.4 ft³/s (1.20 m³/s), 30,720 acre-ft/yr (37.9 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,300 ft³/s (207 m³/s), Sept. 20, 1969, gage height, 7.88 ft (2.402 m) site and datum then in use; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft³/s (23 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 4	0330	3010 85.2	6.96 2.121	Sept. 12	1400	992 28.1	5.07 1.545
Aug. 14	1800	1110 31.4	5.31 1.618	Sept. 21	1115	1370 38.8	5.67 1.728
Aug. 24	1800	*3730 106	8.33 2.539				

No flow June 6 to July 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	19	.28	.05	79	57	28	19	.00	28	24
2	16	18	18	.29	.05	50	35	17	19	.33	41	9.9
3	1050	18	18	.22	.07	49	24	41	15	17	32	8.0
4	1150	18	18	.25	.12	32	31	73	.89	17	73	7.9
5	180	19	18	.23	.09	114	25	108	.34	17	46	8.3
6	94	18	18	.29	.07	85	21	65	.00	17	26	8.8
7	64	17	18	.24	.03	54	22	31	.00	17	56	8.8
8	28	17	18	.17	.03	32	27	22	.00	17	63	9.1
9	22	17	18	.04	.00	26	29	18	.00	18	34	68
10	20	18	18	.02	.00	18	28	17	.00	18	20	30
11	20	18	18	.05	2.1	17	29	17	.00	17	14	53
12	18	18	18	.11	3.0	15	26	16	.00	17	13	413
13	18	18	18	.61	1.9	27	20	14	.00	17	45	196
14	20	18	18	.23	.75	26	13	13	.00	17	253	123
15	18	18	18	.25	.16	90	13	14	.00	17	87	53
16	19	18	18	.32	.00	108	9.4	14	.00	18	31	41
17	19	18	18	.44	.06	57	9.2	14	.00	18	87	34
18	18	18	18	.57	1.2	34	8.9	15	.00	29	72	28
19	18	18	18	.26	30	23	9.1	16	.00	16	26	26
20	18	18	16	.24	30	17	9.6	16	.00	16	21	35
21	18	18	18	.20	78	17	10	18	.00	16	101	437
22	19	18	18	.18	79	15	20	18	.00	16	414	373
23	19	18	19	.17	35	16	16	18	.00	16	466	135
24	19	17	15	.16	33	22	12	19	.00	16	1610	72
25	19	18	.89	.16	65	27	10	19	.00	16	1000	69
26	19	18	.51	.14	186	25	10	19	.00	18	1850	68
27	18	18	.36	.09	149	25	10	19	.00	44	893	66
28	17	18	.40	.06	115	54	11	19	.00	24	221	63
29	18	18	.39	.07	---	177	11	19	.00	16	100	62
30	19	18	.32	.07	---	116	31	19	.00	12	40	62
31	19	---	.34	.05	---	79	---	19	---	12	56	---
TOTAL	3027	538	434.21	6.46	809.68	1526	587.2	775	54.23	526.33	7819	2591.8
MEAN	97.6	17.9	14.0	.21	28.9	49.2	19.6	25.0	1.81	17.0	252	86.4
MAX	1150	19	19	.61	186	177	57	108	19	44	1850	437
MIN	13	17	.32	.02	.00	15	8.9	13	.00	.00	13	7.9
AC-FT	6000	1070	861	13	1610	3030	1160	1540	108	1040	15510	5140

CAL YR 1981	TOTAL	9907.96	MEAN 27.4	MAX 1150	MIN .00	AC-FT 19830
WTR YR 1982	TOTAL	18694.91	MEAN 51.2	MAX 1850	MIN .00	AC-FT 37060

SAN JUAN RIVER BASIN

09368000 SAN JUAN RIVER AT SHIPROCK, NM
(National stream-quality accounting network,
(37) surveillance network, and radiochemical network station)

LOCATION.--Lat 36°47'32", long 108°43'54", in NW¼ sec.27, T.30 N., R.18 W., San Juan County, Hydrologic Unit 14080105, on left bank 3 mi (5 km) west of Shiprock, 6 mi (10 km) downstream from Chaco River, and at mile 215.0 (345.9 km).

DRAINAGE AREA.--12,900 mi² (33,400 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January to October 1911, February 1927 to current year. Monthly or yearly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1243: 1931, 1934-38, 1951. WSP 1313: 1911, 1933. WDR NM-78-1: 1977.

GAGE.--Water-stage recorder. Datum of gage is 4,848.68 ft (1,477.878 m) National Geodetic Vertical Datum of 1929 (river-profile survey). Prior to Apr. 6, 1922, nonrecording gage and Apr. 7, 1922, to Oct. 25, 1933, water-stage recorder, at site 3 mi (5 km) upstream at different datum. Oct. 26, 1933, to Sept. 30, 1936, water-stage recorder at present site at datum 3.31 ft (1.01 m) higher and Oct. 1, 1936, to Sept. 30, 1952, at datum 1.77 ft (0.54 m) higher. Supplementary water-stage recorders at nearby sites, same datum, used at times.

REMARKS.--Water-discharge records good except those for October, which are fair. Since 1962 flow partly regulated by Navajo Reservoir (station 09355100). Diversions for irrigation of about 118,000 acres (480 km²) above station. Ungaged canals bypass station on both right and left bank, though some of bypass flow is returned to river below gage.

AVERAGE DISCHARGE.--56 years (water years 1927-82), 2,172 ft³/s (61.51 m³/s), 1,574,000 acre-ft/yr (1.94 km³/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD (SINCE 1927).--Maximum discharge, about 80,000 ft³/s (2,270 m³/s) Aug. 11, 1929, gage height, 5.7 ft (1.73 m), site and datum then in use; minimum daily, 8 ft³/s (0.23 m³/s) Aug. 25, 26, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood occurred Oct. 6, 1911, and reached a stage of 22 ft (6.7 m), site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,540 ft³/s (214 m³/s) at 1915 hours Aug. 26, gage height, 7.16 ft (2.182 m), no other peak above base of 6,000 ft³/s (170 m³/s); minimum daily, 648 ft³/s (18.4 m³/s) Feb. 8, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1340	792	857	953	920	1390	2870	4590	3810	2370	1600
2	1510	1300	784	915	903	888	1330	3170	4850	4390	1880	1570
3	5610	1250	791	368	928	1140	1320	3650	4860	3880	1640	1620
4	3050	1180	788	824	920	1200	1410	4170	5050	3680	1640	1570
5	1810	1070	781	872	746	1070	1320	4690	4950	3480	1520	1570
6	1680	827	786	824	704	946	1400	4740	4900	3120	1340	1600
7	1640	772	784	792	662	873	1530	4250	4540	2770	1480	1490
8	1580	787	802	784	648	832	1520	3830	4310	2610	1900	1370
9	1510	779	817	746	697	848	1540	3470	4380	2290	1620	1390
10	1500	799	819	760	662	857	1590	3410	4490	2410	1350	1500
11	1530	768	795	848	746	893	1560	3360	4570	2370	1150	1770
12	1580	769	798	848	711	966	1570	3430	4600	2470	1090	3420
13	1600	781	792	896	648	1960	1960	3380	4610	2360	1070	2900
14	1690	826	795	840	669	1500	2680	3160	4820	2340	1330	3200
15	1620	787	800	912	704	1350	2880	2850	4570	2220	1500	2840
16	1660	789	814	923	711	1350	2980	2760	4300	2180	1460	2800
17	1570	770	810	903	739	1300	2950	2720	4050	2290	1500	2920
18	1520	823	798	893	776	1300	2850	2740	4360	2150	1310	2810
19	1480	856	787	920	832	1300	2790	2700	4080	2050	1170	2670
20	1560	859	768	987	840	1250	2600	2900	3830	2070	1210	2850
21	1440	780	785	976	896	1250	2610	2900	3560	2010	1710	3080
22	1440	793	819	957	944	1220	2600	2990	3690	1930	3290	3080
23	1440	809	785	945	976	1170	2750	3480	3460	1870	2840	2780
24	1370	770	819	953	1060	1120	2710	3610	3380	1840	3820	2520
25	1380	769	808	940	1240	1100	2570	3530	3440	1820	4730	2320
26	1340	768	781	970	1320	1200	2450	3560	3850	1820	6560	2150
27	1330	768	784	986	1090	1300	2380	3870	4130	2040	4540	2010
28	1290	768	792	1010	952	1500	2380	4480	4460	2090	2990	1940
29	1310	778	800	1020	---	1450	2430	4480	4410	2400	2370	2060
30	1340	814	776	985	---	1400	2700	4780	4260	2560	1850	1950
31	1340	---	813	955	---	1200	---	4780	---	3690	1740	---
TOTAL	51950	25949	24663	27909	23677	36653	64750	110710	129350	79010	65970	67350
MEAN	1676	865	796	900	846	1182	2158	3571	4312	2549	2128	2245
MAX	5610	1340	819	1020	1320	1960	2980	4780	5050	4390	6560	3420
MIN	1230	768	768	746	648	832	1320	2700	3380	1820	1070	1370
AC-FT	103000	51470	48920	55360	46960	72700	128400	219600	256600	156700	130900	133600

CAL YR 1981 TCTAL 436960 MEAN 1197 MAX 5610 MIN 231 AC-FT 866700
WTR YR 1982 TOTAL 707941 MEAN 1940 MAX 6560 MIN 648 AC-FT 1404000

SAN JUAN RIVER BASIN

(38) 09371010 SAN JUAN RIVER AT FOUR CORNERS, CO

LOCATION.--Lat 37°00'20", long 109°02'00", SE¼NE¼ sec.21, T.32 N., R.20 W., Montezuma County, Hydrologic Unit 14080201, on left bank 1,300 ft (396 m) upstream from bridge on U.S. Highway 160, 0.1 mi (0.16 km) north of New Mexico-Colorado State Line, 1.0 mi (1.6 km) east of Four Corners monument, 3.0 mi (4.8 km) downstream from Mancos River, and at mile 187.2 (301 km).

DRAINAGE AREA.--14,600 mi² (37,810 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,900 ft (1,494 m), from topographic map.

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--5 years, 2,287 ft³/s (64.77 m³/s), 1,657,000 acre-ft/yr (2.04 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,900 ft³/s (479 m³/s) May 29, 1979, gage height, 6.25 ft (1.905 m³/s); maximum gage height, 14.43 ft (4.398 m) Dec. 12, 1978 (backwater from ice); minimum 110 ft³/s (3.11 m³/s) Aug. 19, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 3	1715	*7190 204	4.56 1.390	Aug. 25	0330	6790 192	4.46 1.359
May 5	1530	6550 185	4.50 1.372				

Minimum daily discharge, 822 ft³/s (23.3 m³/s) Nov. 12, 13.

SUPPLEMENTAL DATA.--Daily discharges, in cubic feet per second, to complete water year 1978 have been estimated as shown in the following table:

Oct. 1, 1977.....420	Oct. 6, 1977.....424	Oct. 11, 1977.....760	Oct. 16, 1977.....660
2.....435	7.....670	12.....720	17.....615
3.....440	8.....710	13.....660	18.....615
4.....480	9.....750	14.....620	19.....605
5.....560	10.....785	15.....630	

Month	Total	Mean	Max	Min	Ac-ft
October 1977	19640	634	785	420	38960
WTR YR 1978	492684	1350	4600	110	977200

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	1300	1040	1120	1170	1160	1470	3020	5020	3500	2620	2200
2	1270	1260	1010	1060	1130	1150	1410	3280	4780	3880	2090	1940
3	4680	1240	962	988	1100	1300	1470	4030	4810	3700	1950	1790
4	3920	1300	938	888	1080	1690	1420	4780	4240	3400	1870	1570
5	2140	1200	988	875	900	1320	1390	5400	4630	3530	1730	1540
6	1800	1080	1060	950	854	1100	1460	5050	4600	3330	1600	1620
7	1640	912	1110	962	941	1020	1490	4570	4480	2930	1440	1580
8	1680	875	1110	950	848	971	1490	4330	4180	2660	2090	1460
9	1680	888	1140	975	999	973	1440	3970	4510	2200	1880	1390
10	1710	888	1080	925	1010	1040	1490	3730	4780	2240	1610	1570
11	1570	854	1020	1020	1000	1060	1490	3520	4810	2090	1380	1650
12	1560	822	975	1040	1030	1220	1520	3420	4510	2050	1280	3730
13	1650	822	1060	1060	923	2070	1710	3420	4570	1970	1350	4350
14	1750	900	962	1040	940	1920	2420	3020	4870	1890	1420	3930
15	1690	938	975	1000	870	1730	2720	2820	4660	1890	1670	3130
16	1550	900	1020	1000	902	1680	3000	3020	4300	1780	1630	2780
17	1740	875	975	912	979	1620	3080	3180	4270	1850	1550	2660
18	1540	864	913	888	1160	1560	3020	2950	4420	1810	1460	2480
19	1530	912	912	950	1110	1560	2930	2860	4300	1740	1200	2390
20	1450	875	938	1080	1130	1490	2860	2930	4030	1760	1170	2530
21	1420	888	1000	1150	1120	1450	2700	3020	3730	1740	1760	2780
22	1430	912	1010	1110	1230	1440	2640	3150	3700	1670	2870	2730
23	1370	925	938	1080	1240	1460	2840	3760	3820	1610	2940	2490
24	1330	938	875	1110	1240	1390	2930	3820	3480	1580	3810	2180
25	1270	925	988	1220	1280	1350	2790	3650	3300	1540	5610	2060
26	1290	938	912	1100	1580	1380	2660	3880	3550	1550	6270	1940
27	1270	1000	988	1150	1290	1730	2700	4060	3760	1690	5610	1830
28	1190	1040	1000	1150	1160	1610	2860	4540	4000	1820	4010	1680
29	1190	1100	988	1200	---	1560	2950	4540	3940	2150	3330	1790
30	1220	1140	950	1200	---	1600	3120	4930	3820	2160	2830	1760
31	1300	---	1010	1170	---	1520	---	5110	---	2810	2620	---
TOTAL	51880	29511	30847	32323	30216	44124	67470	117760	128470	70520	74450	67530
MEAN	1674	984	995	1043	1079	1423	2249	3799	4282	2275	2408	2251
MAX	4680	1300	1140	1220	1580	2070	3120	5400	5020	3880	6270	4350
MIN	1050	822	875	875	848	971	1390	2820	3300	1540	1170	1390
AC-FT	102900	58540	61190	64110	59930	87520	133800	233600	254600	139900	148100	133900

CAL YR 1981	TOTAL	458158	MEAN	1255	MAX	4680	MIN	822	AC-FT	908800
WTR YR 1982	TOTAL	745301	MEAN	2042	MAX	6270	MIN	822	AC-FT	1478000

SAN JUAN RIVER BASIN

(39) 09379500 SAN JUAN RIVER NEAR BLUFF, UT

Location.--Lat 37°08'49", long 109°51'51", in SE1/4NW1/4 sec.7, T.42 S., R.19 E., San Juan County, Hydrologic Unit 14080205, on left bank 1,600 ft (490 m) downstream from Gypsum Creek, 1,800 ft (550 m) upstream from highway bridge, 20 mi (32 km) southwest of Bluff, and at mile 113.5 (182.6 km).

DRAINAGE AREA.--23,000 mi² (60,000 km²), approximately.

PERIOD OF RECORD.--October 1914 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1213: 1940. WSP 1313: 1917, 1929. WSP 1343: 1945.

GAGE.--Water-stage recorder. Datum of gage is 4,048 ft (1,234 m) from levels of Topographic Division, USGS. Prior to Mar. 16, 1927, chain gages at sites about 1,700 ft (520 m) downstream at different datums.

REMARKS.--Records fair. Diversions for irrigation of approximately 200,000 acres (810 km²) above station. No diversion between station and mouth of river. Flow regulated by Navajo Reservoir since June 28, 1962 (see station 09355100). Water quality records for the current year are published in Water Resources Data for Utah.

AVERAGE DISCHARGE.--68 years, 2,532 ft³/s (71.71 m³/s), 1,834,000 acre-ft/yr (2.26 km³/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD (1914-17 AND SINCE 1927).--Maximum discharge, 70,000 ft³/s (1,980 m³/s) Sept. 10, 1927, gage height, 32.0 ft (9.75 m) from rating curve extended above 31,000 ft³/s (787 m³/s) and slope-area measurement at gage height 26.62 ft (8.114 m); no flow July 3-13, 1934, Aug. 24-27, 29, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 6, 1911, which is greatest known at Shiprock, NM, probably exceeded that of Sept. 10, 1927 at this station but stage was not accurately determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 4	0445	8180 232	9.32 2.841	Aug. 25	1515	*19200 544	14.87 4.532

Minimum discharge, 739 ft³/s (20.9 m³/s) Feb. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1120	1400	1100	939	1150	1230	1550	3060	4810	4000	3070	2550
2	1300	1390	1080	1030	1130	1190	1500	3290	4730	3910	2510	2190
3	2840	1390	1030	1050	1130	1130	1450	3610	5000	4190	2280	1920
4	6610	1360	980	1030	1130	1250	1510	4290	5060	3730	2580	1800
5	3750	1430	955	901	1110	1480	1460	5480	4920	3430	2130	1810
6	2100	1340	969	901	940	1300	1440	6260	4880	3200	1780	2200
7	1820	1240	1020	920	856	1220	1470	4440	4790	2930	1580	1980
8	1710	1110	1020	949	857	1090	1510	3490	4430	2650	1490	1650
9	1690	1040	1020	920	800	1020	1490	3100	4290	2390	2070	1610
10	1650	1010	1020	949	910	1020	1460	2870	4350	2000	1740	1440
11	1640	1010	1000	901	1020	1050	1530	2960	4510	2110	1510	1770
12	1630	974	993	1060	1070	1100	1500	3110	4580	1980	1370	3090
13	1630	929	1000	1140	1010	1290	1500	3340	4520	2000	1520	5560
14	1740	920	1000	1140	930	2680	1870	3240	4670	1900	1810	5540
15	1810	981	982	1140	927	2060	2620	3070	4770	1820	1810	4090
16	1730	1020	969	1120	966	1970	2870	2850	4450	1720	1800	3060
17	1740	978	984	1120	1160	1910	3060	2830	4180	1660	1880	3020
18	1730	945	996	1040	1310	1720	2990	2750	4180	1730	1880	3040
19	1610	932	966	1050	1450	1640	2970	2680	4330	1670	1600	2900
20	1590	978	965	1050	1260	1620	2940	2640	4060	1610	1250	2810
21	1540	960	948	1110	1220	1520	2860	2840	3790	1610	1270	3200
22	1530	967	1000	1150	1230	1440	2790	2870	3520	1610	2150	3790
23	1550	970	1010	1120	1260	1390	2770	3120	3540	1560	4420	3190
24	1520	977	967	1080	1270	1390	2830	3500	3380	1500	4200	2700
25	1480	971	916	1090	1300	1330	2810	3620	3260	1500	11600	2480
26	1430	945	953	1110	1400	1340	2680	3560	3460	1530	11700	2370
27	1440	951	957	1090	1770	1490	2640	3650	3770	1590	10500	2260
28	1430	999	947	1140	1460	1760	2650	4180	4050	1760	6320	2620
29	1360	1070	954	1170	---	1650	2630	4590	4150	2100	4470	2100
30	1340	1050	931	1150	---	1610	2750	4700	4190	2300	3110	1950
31	1360	---	939	1210	---	1640	---	5000	---	2170	2860	---
TOTAL	57420	32237	30571	32810	32026	45530	66100	110950	128620	69860	100320	80690
MEAN	1852	1075	986	1058	1144	1469	2203	3580	4267	2254	3236	2690
MAX	6610	1430	1100	1210	1770	2680	3060	6260	5060	4190	11700	5560
MIN	1120	920	916	901	800	1020	1440	2640	3260	1500	1250	1440
AC-FT	113900	63940	60640	65080	63520	90310	131100	220100	255100	133600	199000	160000

CAL YR 1981	TOTAL	444881	MEAN	1219	MAX	6610	MIN	459	AC-FT	582400
WTR YR 1982	TOTAL	787174	MEAN	2157	MAX	11700	MIN	800	AC-FT	1561000