WATER-RESOURCES DATA, 1970-75, FOR PERRIS VALLEY AND VICINITY, RIVERSIDE COUNTY, CALIFORNIA

U.S. GEOLOGICAL SURVEY

Open-File Report 79-1256

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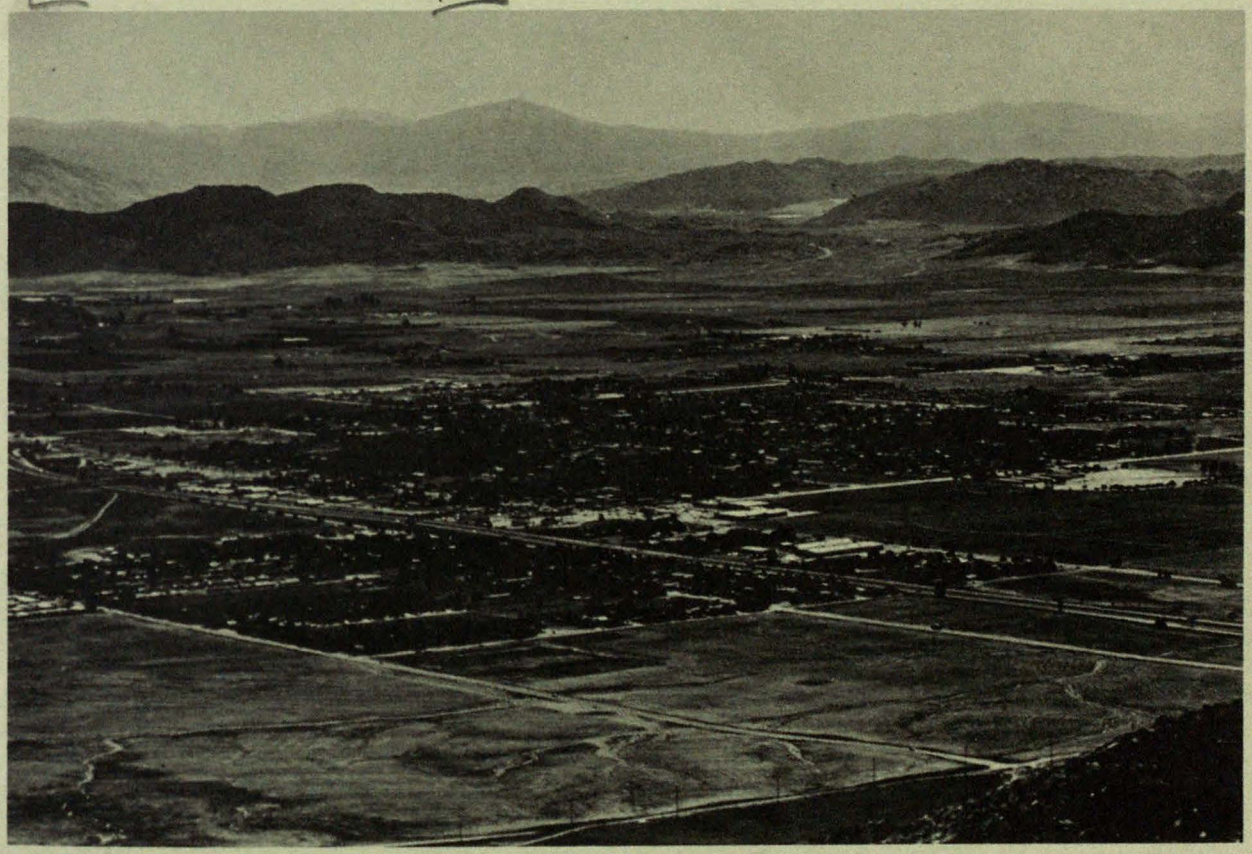

Prepared in cooperation with the

Riverside County Flood Control and Water

Conservation District

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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By David J. Lang

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Conservation District, Calif.

Menlo Park, California
August 1979

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

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CONVERSION FACTORS

The inch-pound system of units is used in this report. For readers who prefer the International System of units (SI), the conversion factors for the terms used in this report are listed below:

Multiply inch-pound unit	By	To obtain SI (metric) unit
acre-ft (acre-foot)	1233	m^3 (cubic meter)
ft (foot)	0.3048	m (meter)
ft^3 (cubic foot)	0.02832	m^3 (cubic meter)
ft/mi (foot per mile)	0.1894	m/km (meter per kilometer)
ft^3/s (cubic foot per second)	0.02832	m^3/s (cubic meter per second)
inch	25.4	mm (millimeter)
mi (mile)	1.609	km (kilometer)
mi^2 (square mile)	2.590	km^2 (square kilometer)

DEFINITION OF TERMS

Terms related to streamflow, ground water, water quality, sediments, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to the International System (SI) of units.

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

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

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

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

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

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

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

Ephemeral stream is a temporary stream that flows only in direct response to precipitation, and whose channel is at all times above the water table.

Gage height is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

LSD (land surface datum) is an arbitrary plane closely approximating land surface at the time of the first measurement and used as the plane of reference for all subsequent measurements.

Milligrams per liter (mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the mass of sediment per liter of water-sediment mixture.

Partial-record station is a site where limited streamflow data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in chemically dispersed distilled water.

Particle-size classification used in this report was done according to recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay----------	0.00024-0.004	Sedimentation
Silt----------	0.004-0.062	Sedimentation
Sand----------	0.062-2.0	Sedimentation or sieve
Gravel----------	2.0-64.0	Sieve

Particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water.

Sediment is solid material that is derived mostly from disintegrated rocks and is transformed by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and occurrence of sediment in streams are influenced by environmental factors such as degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bedload is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bedload is considered to consist of particles in transit within 0.25 ft of the streambed.

Suspended sediment is the material that at any given time is maintained in mixture with water by the upward turbulence of currents or as a colloid.

Specific conductance is the ability of water to conduct an electrical current measured in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids concentration in water. Commonly, dissolved-solids concentration (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and may vary even in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and the volume of water flowing in a channel per unit of time.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) the material retained on a 0.45-micrometer filter.

Water year is the 12-month period ending September 30 each year and designated by the calendar year in which it ends.

WATER-RESOURCES DATA, 1970-75, FOR PERRIS VALLEY AND VICINITY, RIVERSIDE COUNTY, CALIFORNIA

By David J. Lang

ABSTRACT

In 1969 the U.S. Geological Survey began a study in Perris Valley, Calif., to determine changes in the hydrologic regime as a rural area becomes urbanized. The investigations spanned several years when precipitation was below normal in most of southern California.

Surface-water records were collected for a 6-year period at 21 sites, and continuous precipitation records were obtained at four sites. Ground-water levels were tabulated from historical data at selected wells for 1941, 1968, and 1970. Water quality was monitored at several wells in the valley, and sediment data were collected at three surface-water gages. There was little increase in urbanization during the investigation.

INTRODUCTION

Rural land adjacent to metropolitan areas is becoming urbanized throughout the United States. Southern California, in particular, is experiencing a phenomenal increase in urban development. City and county planners are increasingly concerned with the effects of urbanization on the hydrologic regimen of a rural area. The cause-and-effect relations of rainfall and runoff to a land area undergoing rapid change because of urban development must be understood if local government is to provide a framework for encouraging the most beneficial use of land, water, and other natural resources.

Riverside County has recognized the need for collecting and analyzing hydrologic data in order to evaluate the effects of changes in land use that accompany urbanization. The population of Riverside County was about 170,000 in 1950; 306,000 in 1960; 409,000 in 1965; and 570,000 in 1978. The Riverside County Planning Commission estimates that 719,000 people will live in the county by 1985, many in suburban communities. One such area, Perris Valley, near Riverside (fig. 1), is of particular interest because of its predicted rapid growth. The continued growth in population has caused land to be scarce in nearby Riverside and San Bernardino, and will probably result in population overflow into the Perris Valley vicinity. The water supply, mostly derived from shallow wells, was adequate for supplying the rural communities. In 1954, Colorado River water became available to the area through the facilities of the Eastern Municipal Water District (EMWD) and enhanced the value of the land. The State Water Plan, by deliveries through the California Aqueduct, further guarantees the availability of an adequate water supply at this time. Aqueduct water is stored in the Perris Reservoir and distributed from there throughout southern California.

The Colorado River Aqueduct and pipeline traverse the valley. At the present time, it is unknown what effect the importation of water from the Colorado River or California Aqueduct has on the hydrologic regime of the area.

In anticipation of the growth of population in Perris Valley, the Riverside County Flood Control and Water Conservation District asked the U.S. Geological Survey to study the effects of urbanization in the valley.

Purpose and Scope

The original purpose of this study was to evaluate quantitatively the hydrologic effects of urbanizing a rural area. Of particular importance was determination of (1) the basic hydrologic character of the area under present conditions; (2) the effects of urbanization on rainfall-runoff characteristics, sediment production, and water quality; and (3) insofar as possible, the relation of different land uses to observed changes. The meteorological conditions, however, were such that rainfall, and thus runoff, were below normal during most of the period of this study. Urbanization did not occur to the degree originally anticipated, so there were no abrupt changes in land use. Because of the unfavorable conditions of climate and the lack of developmental change during the study period, the aims of the study cannot be pursued using presently available data. The data in this report, however, form the background for additional hydrologic investigations of Perris Valley that might be done when conditions warrant.

Specifically, the study collected data on the following:

1. Instantaneous peak flows in selected drainage basins.
2. Quantity and intensity of precipitation.
3. Ground-water levels.
4. Ground-water quality.
5. Sediment-yield and runoff characteristics of selected drainage basins.

Data collection was begun in December 1969 and discontinued in September 1975. Some historical information prior to the beginning date is also presented. The State of California, Department of Water Resources, supplied all data on ground-water levels.

Previous Studies

Waring (1919) studied the conditions affecting the fluctuation and occurrence of ground water in the San Jacinto and Temecula basins. Troxell (1948) studied the hydrology of western Riverside County, with emphasis on rainfall-runoff relations. The California Department of Water Resources (1969b) released a progress report on water-resources management in the San Jacinto Valley. In addition, the Riverside County Flood Control and Water Conservation District has collected considerable hydrologic data in the area covered by this report.

Description of Area

Perris Valley is in Riverside County about 60 mi east of Los Angeles and just southeast of Riverside. The study area comprises 93 mi^2 in the lower San Jacinto River basin. It is bounded on the east by the San Jacinto Valley, on the west by the Temescal Plateau, and on the north by the Badlands and Box Springs Mountains (fig. 1). The southern boundary is Nuevo Road, about 1 mi northeast of the city of Perris (fig. 2), and at the site of streamflow-gaging station 21.

Elevations in the study area generally range from 1,400 ft above sea level on the valley floor to 3,000 ft on the higher peaks of the surrounding mountains. All flow originating within the study area moves generally southward toward the San Jacinto River. The river flows southwest to Railroad Canyon Reservoir, which is 5 mi south of station 21. Stream gradients on the valley floor are variable but average about 50 ft/mi. Near the headwaters, in the northern part of the study area, stream gradients exceed 400 ft/mi. The streams flow only in response to periods of sustained rainfall.

The mountains surrounding the alluvial valley are mostly granite and are generally non-water-bearing. The alluvial valley consists of sand, gravel, and clay and constitutes the ground-water basin. Drillers' logs indicate that the alluvium is 200 to 400 ft thick in many areas (Waring, 1919).

Climate

The climate of Perris Valley is classified as subtropical desert (Troxell, 1948). The essential characteristic of this climatic type is that evaporation exceeds precipitation, permitting little accumulation of moisture in the form of ground water. Skies are generally clear, with less than 40 days per year of cloudy weather (Trewartha, 1943). Seasonal precipitation is distributed in two general periods: (1) winter rains from November to May resulting from the eastward movement of marine air masses across the coastal and climatic divide, and (2) summer thunderstorms of the convectional type usually occurring in August and September. Mean annual precipitation in the Perris Valley area varies somewhat with elevation and exposure. On the valley floor the long-term mean is 10 to 12 inches (Rantz, 1969). The variation from year to year is great; National Weather Service records show total precipitation, in inches, at Perris during the years 1969-72 to be 21.34, 10.36, 5.09, and 3.67. Annual precipitation at Riverside (very close to the Perris station) during the years 1970-75, the period of this study, ranged from 10.38 to 4.02 inches and averaged 7.41 inches, about 75 percent of the long-term mean.

The native vegetation is sparse and consists largely of cactus and associated mesophytes and xerophytes. Brush fires are common from June to December, or until winter precipitation begins. By destroying vegetation and thereby increasing the magnitude of peak discharge or accelerating the rate of erosion, these fires may alter the hydrologic regime of an area. However, no fires occurred during the period of study that had any significant effect on the basin hydrology.

DATA COLLECTION AND ANALYSIS OF STREAMFLOW

Direct Methods of Analysis

Twenty-one surface-flow gaging stations (fig. 2) were established for this project, with the study area divided into drainage areas ranging from 0.18 to 93.3 mi^2. Table 1 lists the 21 stations, their drainage areas, and types of data collected. These stations will be referred by their Perris Valley station number in this report. Four stations (2, 9, 17, and 21) record streamflow stage and rainfall on digital tapes of automatic recorders at 5-minute intervals. One station (15) records stage only on digital tape at 15-minute intervals. The rest of the stations are crest-stage gages that record only peak stages.

Discharge measurements were made at each recording gaging station to define the stage-discharge relation for the site. Discharge measurements are usually made by the current-meter method, which consists of determinations of velocity and area in the parts of a stream cross section. However, flood-peak discharges are frequently determined by indirect methods using hydraulic equations and information on channel characteristics and floodmarks obtained in a field survey after the flood (Carter and Davidian, 1968, p. 6).

Indirect Methods of Analysis

Indirect methods were used to determine the peak flows at all stations. The most common indirect method used in the study was the culvert computation, which allows computation of the peak discharge when given the geometry and hydraulic efficiency of a culvert, the shape of the natural channel near the culvert, and the water-surface elevations upstream and downstream from the culvert at the time of peak flow. Water-surface elevations were ascertained from high-water marks left on the crest-stage gage, supplemented whenever possible by nearby high-water marks left by the peak flow.

TABLE 1.- Surface-flow stations

[Type of data: A, peak stage using a crest-stage gage; B, stage at 5-minute intervals; C, precipitation at 5-minute intervals; D, peak stage using an inclined crest plate; E, sediment collection during storm events; F, stage at 15-minute intervals]

Perris Valley station number	Geological Survey station number	Station name	Type of data	Drainage area (mi^2)
1	11070230	Pigeon Pass Creek at Pigeon Pass Road, near Sunnymead, Calif.	A	3.34
2	11070232	East Fork Pigeon Pass Creek at Heacock Street, near Sunnymead, Calif.	A,B,C	.48
3	11070250	Perris Valley Storm Drain Tributary at Ironwood Avenue, near Sunnymead, Calif.	A	.18
4	11070242	Sunnymead Channel Tributary at Hemlock Avenue, near Sunnymead, Calif.	A	.48
5	11070234	Pigeon Pass Channel at Indian Street at Sunnymead, Calif.	D	10.92
6	11070236	Sunnymead Channel at Grevillea Avenue, at Sunnymead, Calif.	D	.44
7	11070252	Perris Channel Tributary at Fir Avenue, near Moreno, Calif.	A	3.67
8	11070238	Sunnymead Channel at Atwood Avenue, at Sunnymead, Calif.	D	11.55
9	11070240	Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif.	B,C,E	13.33
10	11070244	Sunnymead Channel Tributary at Cactus Avenue, near March Field, Calif.	A	1.91
11	11070254	Kitching Street Channel at Delphinium Avenue, near Sunnymead, Calif.	A	4.78
12	11070246	Perris Channel Lateral "A" at Heacock Street at March Field, Calif.	D	18.72

TABLE 1.- Surface-flow stations--Continued

Perris Valley station number	Geological Survey station number	Station name	Type of data	Drainage area (mi^2)
13	11070258	Perris Channel Tributary at Camp Hahn near Edgemont, Calif.	A	0.60
14	11070248	Perris Channel Lateral "A" at Perris Boulevard, near March Field, Calif.	A	20.36
15	11070256	Perris Channel at Nandino Avenue near March Field, Calif.	F	50.60
16	11070260	Perris Channel Lateral "B" at Webster Avenue, near March Field, Calif.	D	7.33
17	11070262	Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif.	B,C,E	10.63
18	11070266	Perris Channel at Martin Street, near Perris, Calif.	A	64.52
19	11070264	Martin Street Channel below Perris Reservoir near Perris, Calif.	A	8.80
20	11070268	Perris Channel at Rider Street, near Perris, Calif.	A	79.64
21	11070270	Perris Channel at Nuevo Road, at Perris, Calif.	B,C,E	93.33

When culverts were not available for calibration, the slope-area method was used to compute discharge from a uniform-flow equation involving channel characteristics, water-surface profiles, and a roughness (or retardation) coefficient. The Geological Survey uses the Manning formula in the slope-area method because it is simple to apply to open-channel flow and the results are dependable (Dalrymple and Benson, 1967).

Equipment and Instrumentation

Crest-Stage Gages

The crest-stage gage is a simple device that records flood crests at gaging stations. Two types were used during the Perris Valley study.

The first type consists of a vertically mounted length of 2-inch pipe containing a wooden rod and a small quantity of granulated cork. The pipe is closed at both ends, except for some small intake holes at the bottom and a small vent hole at the top. As the water rises in the stream and covers the intake holes in the bottom of the pipe, it also rises inside the pipe. The granulated cork floats on the water surface inside the pipe and, as the water recedes, leaves a cork line on the wooden rod at the peak stage. The wooden rod can be removed from the 2-inch pipe at any time after the peak has occurred and the elevation of the peak, referred to local datum, can be determined.

The second type is an inclined 5-foot aluminum plate mounted flush on the side of a concrete trapezoidal channel. This plate is better suited for concrete channels because it is easy to install and less prone to catch debris in high water and thus record an erroneous gage height.

As two or more peak flows may occur between visits to a gaging station, a higher peak may wash off the cork lines left by one or more previously recorded lower peaks. As a result, crest stages for all the peaks at a particular site are not available. The highest peaks, however, will be recorded.

Recording Stations

Recording stations provide a continuous record of the water stage and precipitation. The water-stage records in the Perris Valley study were provided by digital water-stage recorders housed in shelters similar to the one shown in figure 3.

The rainfall at each recording station was collected by a standard National Weather Service 8-inch rain gage receiver mounted in the roof of the instrument shelter. The accumulated rainfall was stored in a 6-inch-diameter aluminum cylinder mounted inside the gaging-station well. Rainfall levels in the cylinder were recorded at 5-minute intervals by a digital recorder with a special gear to record the rainfall to the nearest 0.01 inch.

PRESENTATION OF STREAMFLOW DATA

The crest-stage gage records presented in this report (table 2) include descriptive information about the station, such as name, location, drainage area, period for which records of the maximum gage heights are available, and peak discharges (when available).

Peak discharge was omitted from station 12 because the hydraulics of this site were such that no reasonable stage-discharge relation could be established; therefore only the gage-height record is published. No data are published for stations 6 and 18 because no meaningful gage-height record was obtained. Station 13 recorded no peaks during the study.

Gage heights are referred to arbitrary local datums and usually are not referenced to sea level. Information concerning the datums, as well as all other supporting material for data given in this report, is on file in the subdistrict office of the Geological Survey, Water Resources Division, 24000 Avila Road, Laguna Niguel, Calif. All discharge data also are available in the files of the Geological Survey.

Discharge hydrographs and graphs of accumulated rainfall for significant flow events were computed by using data from four of the recording stations (9, 15, 17, and 21). These are illustrated in figures 4 through 7. Station 2 was also a continuous-recording station, but no meaningful hydraulic relations could be established because of sediment deposition during storms; therefore, data are not included for station 2. Since station 15 recorded only stage, rainfall recorded at station 21 is shown on the hydrographs of figure 5.

Mean daily values of streamflow were computed for three continuous-recording stations (9, 17, and 21) and are found in Supplemental Data A. Peak annual discharge is presented in Supplemental Data B. Accumulated precipitation was collected at four stations (2, 9, 17, and 21) and is compiled in Supplemental Data C.

TABLE 2.-- Peak discharges at nonrecording stations

Perris Valley station number	Location	Drainage area (mi^2)	Period of record	Peak data: Water year	Date	Gage height (ft)	Discharge (ft^3/s)
	1070230 Pigeon Pass Creek at Pigeon Pass Road, near Sunnymead, Calif.						
1	Lat 33°58'16", long 117°15'38" in NE¼SE¼NE¼ sec. 26, T. 2 S., R. 4 W., and 2.0 miles north of U.S. Highway 60 on Pigeon Pass Rd. in Sunnymead.	3.34	01-25-69 to 09-30-75	1969	01-25-69	4.74	*162
				1970	03-05-70	--	--
					08-27-70	--	--
				1971	11-29-70	--	--
					12-21-70	--	--
				1972	12-27-71	1.96	10
				1973	11-16-72	2.64	32
					12-04-72	2.56	28
					01-17-73	2.04	13
					02-11-73	3.26	62
					03-20-73	2.13	15
				1974	03-08-74	2.07	13
				1975	03-08-75	--	--
	11070250 Perris Valley Storm Drain at Ironwood Avenue, near Sunnymead, Calif.						
3	Lat 33°56'48", long 117°11'09" in SW¼SE¼SW¼, sec. 34, T. 2 S., R. 3 W., in Riverside County, 3.3 miles northeast of Sunnymead, 0.2 mile east of South Nasson St. on Ironwood Ave.	0.18	12-29-69 to 09-30-75	1970	02-11-70	17.39	22
					03-05-70	16.80	12
				1971	11-29-70	--	--
					12-21-70	--	--
				1972	12-27-71	--	--
				1973	11-16-72	15.94	3
					01-17-73	15.90	2
					02-11-73	16.55	9
				1974	01-07-74	--	--
					03-08-74	--	--
				1975	03-08-75	--	--
	11070242 Sunnymead Channel Tributary at Hemlock Avenue, near Sunnymead, Calif.						
4	Lat 33°56'33", long 117°15'25" in NE¼SW¼NW¼, sec. 1, T. 3 S., R. 4 W., in Riverside County, 0.15 mile east of Pigeon Pass Rd. on Hemlock Ave.	0.48	01-25-69 to 09-30-75	1969	01-25-69	3.68	*57
				1970	03-02-70	1.78	11
					08-27-70	2.34	22
				1971	11-29-70	2.05	16
					01-02-71	1.84	12
				1972	11-12-71	1.98	14
					12-27-71	1.81	11
				1973	11-16-72	2.53	26
					12-04-72	2.15	17
					01-19-73	2.33	21
					02-11-73	1.87	12
				1974	01-07-74	--	--
					03-08-74	--	--
				1975	03-08-75	--	--

*Indirect measurement survey February 24, 1969
-- Not determined.

TABLE 2.-- Peak discharges at nonrecording stations--Continued

Perris Valley station number	Location	Drainage area (mi^2)	Period of record	Peak data: Water year	Date	Gage height (ft)	Discharge (ft^3/s)
	11070234 Pigeon Pass Channel at Indian Street at Sunnymead, Calif.						
5	Lat 33°56'20", long 117°14'04", in NW¼NW¼SE¼, sec. 6, T. 3 S., R. 3 W., in Riverside County at southeast corner of Sunnymead Blvd. and Indian St. intersection in Sunnymead.	10.92	01-25-69 to 09-30-75	1969	01-25-69	4.43	*1,020
				1970	03-02-70	.62	32
				1971	11-29-70	.45	18
				1972	12-27-71	--	--
				1973	11-16-72	1.00	76
					12-04-72	.40	15
					01-17-73	.72	42
					01-19-73	.51	23
					02-06-73	.50	22
					03-08-73	.70	40
				1974	01-07-74	--	--
					03-08-74	--	--
				1975	03-08-75	--	--
	11070252 Perris Channel Tributary at Fir Avenue, near Moreno, Calif.						
7	Lat 33°56'09", long 117°11'30", in SE¼NE¼SE¼, sec. 4, T. 3 S., R. 3 W., in Riverside County, 2.3 miles northwest of Moreno and 200 feet west of South Nasson St.	3.67	12-29-69 to 09-30-75	1970	02-11-70	16.76	55
					02-28-70	16.51	28
					03-05-70	16.76	55
					08-27-70	16.74	53
				1971	11-29-70	--	--
					12-21-70	--	--
				1972	12-27-71	16.16	4
				1973	11-16-72	16.61	38
					12-04-72	16.21	6
					01-17-73	15.91	1
					02-11-73	16.66	44
					03-08-73	16.71	50
				1974	01-07-74	--	--
					03-08-74	--	--
				1975	03-08-75	--	--
	11070238 Sunnymead Channel at Atwood Avenue, at Sunnymead, Calif.						
8	Lat 33°55'47", long 117°14'06", in SE¼NE¼NW¼, sec. 7, T. 3 S., R. 3 W., in Riverside County, 0.8 mile southeast of Sunnymead, 150 feet south of box culvert.	11.55	12-27-69 to 09-30-75	1970	03-02-70	38.26	56
					08-26-70	37.75	12
				1971	11-29-70	38.35	66
					12-21-70	38.38	70
				1972	12-27-71	37.85	18
				1973	11-16-72	38.90	155
					12-04-72	38.15	43
					01-17-73	38.55	96
					02-11-73	38.90	155
				1974	01-07-74	--	--
					03-08-74	--	--
				1975	03-08-75	--	--

*Indirect measurement survey February 24, 1969
-- Not determined.

TABLE 2.-- Peak discharges at nonrecording stations--Continued

Perris Valley station number	Location	Drainage area (mi^2)	Period of record	Peak data: Water year	Date	Gage height (ft)	Discharge (ft^3/s)
	11070244 Sunnymead Channel Tributary at Cactus Avenue, near March Field, Calif.						
10	Lat 33°54'37", long 117°16'08", in SW¼SW¼NE¼, sec. 14, T. 3 S., R. 4 W., at culvert on Cactus Ave., 0.2 mile northwest of the Cactus Ave. gate of March Air Force Base.	1.91	12-29-69 to 09-30-75	1970	02-11-70	12.61	48
					03-01-70	12.99	67
					03-02-70	12.76	56
					03-05-70	12.06	26
					08-27-70	11.73	15
				1971	11-29-70	12.42	40
				1972	12-27-71	11.76	16
				1973	11-16-72	12.07	26
					12-04-72	11.96	22
					01-17-73	12.22	32
					01-19-73	12.17	30
					02-11-73	13.58	100
					03-12-73	12.05	26
					03-20-73	12.33	36
				1974	01-07-74	--	--
					03-08-74	--	--
				1975	12-04-74	12.51	44
					03-08-75	--	--
	11070254 Kitching Street Channel at Delphinium Avenue, near Sunnymead, Calif.						
11	Lat 33°54'24", long 117°13'00", in NW¼SW¼SE¼, sec. 17, T. 3 S., R. 3 W., in Riverside County, 2.3 miles southeast of Sunnymead, 0.5 mile south of Perris Blvd. on Delphinium Avenue.	4.78	12-29-69 to 09-30-75	1970	02-11-70	1.74	7
					03-02-70	1.60	5
					03-05-70	3.32	39
				1971	11-29-70	2.14	12
					12-21-70	3.46	43
					01-02-71	2.57	21
				1972	12-27-71	1.62	5
					12-29-71	1.22	2
				1973	11-16-72	4.32	66
					12-04-72	3.38	41
					01-17-73	3.05	32
					01-19-73	2.84	26
					02-11-73	4.65	>76*
					03-08-73	1.78	7
					03-12-73	2.92	29
				1974	01-07-74	--	--
					03-08-74	--	--
				1975	03-08-75	--	--

*Some flow went over road
-- Not determined.

TABLE 2.-- Peak discharges at nonrecording stations--Continued

Perris Valley station number	Location	Drainage area (mi^2)	Period of record	Peak data: Water year	Date	Gage height (ft)	Discharge (ft^3/s)
	11070246 Perris Channel Lateral "A" at Heacock Street at March Field, Calif.						
12	Lat 33°52'57", long 117°14'33", in SW¼SW¼NW¼, sec. 30, T. 3 S., R. 3 W., in Riverside County, 1.4 miles southeast of March Field.	18.72	12-29-69 to 09-30-75	1970	02-12-70	32.14	(**)
					03-02-70	32.31	
					03-05-70	32.42	
					08-27-70	32.35	
				1971	11-29-70	33.70	
					12-21-70	32.91	
				1972	12-27-71	32.09	
					03-05-72	31.86	
				1973	11-16-72	33.50	
					12-04-72	32.08	
					01-17-73	33.55	
					01-19-73	32.00	
					02-11-73	34.97	
				1974	01-07-74	--	
					03-08-74	--	
				1975	03-08-75	--	
	11070258 Perris Channel Tributary at Camp Hahn near Edgemont, Calif.						
13	Lat 33°52'06", long 117°15'52", in SW¼,NE¼,NE¼,sec. 35, T. 3 S., R. 4 W., in Riverside County, 2.5 miles southwest of March Field.	0.60	01-30-70 to 09-30-75	(*)			
	11070248 Perris Channel Lateral "A" at Perris Boulevard, near March Field, Calif.						
14	Lat 33°52'25", long 117°13'32", in NE¼,NE¼,NE¼,sec. 31, T. 3 S., R. 3 W., in Riverside County, 4.6 miles south of U.S. Highway 60 on Perris Blvd.	20.36	12-29-69 to 09-30-75	1970	02-11-70	1.79	142
					03-02-70	1.42	92
					03-05-70	1.87	155
				1971	11-29-70	1.66	124
					12-21-70	1.86	153
					01-02-71	1.09	57
					02-17-71	.55	17
				1972	12-27-71	2.01	180
				1973	11-16-72	1.77	140
					12-04-72	1.85	150
					01-17-73	2.35	240
					01-19-73	1.03	52
					01-26-73	.64	23
					02-06-73	1.74	135
					02-11-73	3.32	480
					03-08-73	1.37	86
					03-12-73	1.07	55
					03-20-73	1.13	61
				1974	01-07-74	--	--
					03-08-74	--	--
					04-02-74	1.15	62
				1975	12-04-74	2.28	225
					03-08-75	--	--

*No peaks for period of record.
**No stage discharge relation established.
-- Not determined.

TABLE 2.-- Peak discharges at nonrecording stations--Continued

Perris Valley station number	Location	Drainage area (mi^2)	Period of record	Peak data: Water year	Date	Gage height (ft)	Discharge (ft^3/s)
	11070260 Perris Channel Lateral "B" at Webster Avenue, near March Field, Calif.						
16	Lat 33°51'32", long 117°14'34", in NW¼,NW¼,NW¼,sec. 6, T. 4 S., R. 3 W., in Riverside County, 3.2 miles southeast of March Field at intersection of Webster Ave. and Oleander St.	7.33	12-29-69 to 09-30-75	1970	02-11-70	1.13	210
					03-02-70	.60	15
				1971	11-29-70	.66	21
				1972	12-27-71	.78	55
				1973	11-16-72	.52	7
					12-04-72	.58	13
					01-17-73	.55	10
					01-19-73	.53	4
					02-13-73	1.28	270
					03-12-73	.48	5
	11070264 Martin Street Channel below Perris Reservoir near Perris, Calif.						
19	Lat 33°50'41", long 117°12'11", in SW¼,SE¼,SW¼,sec. 4, T. 4 S., R. 3 W., in Riverside County, 5.0 miles northwest of Perris below Perris Reservoir.	*8.80	12-29-69 to 09-30-75	1970	03-02-70	1.85	34
					03-05-70	1.77	27
				1971	11-29-70	--	--
					12-21-70	--	--
				1972	12-27-71	1.32	2
				1973	11-16-72	1.59	14
					01-17-73	1.40	4
					02-13-73	2.03	--
	11070268 Perris Channel at Rider Street, near Perris, Calif.						
20	Lat 33°49'50", long 117°12'34", in SW¼,SW¼,SW¼,sec. 8, T. 4 S., R. 3 W., 3.4 miles northwest of Perris, 75 feet north of Rider Rd., in storm drain.	79.64	12-29-69 to 09-30-75	1970	02-11-70	10.66	93
					03-02-70	10.74	130
					03-05-70	10.97	270
				1971	11-29-70	10.69	108
				1972	12-27-71	10.96	265
				1973	10-27-72	9.68	8
					11-16-72	10.96	265
					12-04-72	10.83	175
					01-17-73	10.69	108
					01-19-73	10.95	257
					02-13-73	11.68	615
					03-08-73	10.74	130
					03-12-73	10.53	41
					03-20-73	10.81	165
				1974	01-07-74	11.77	648
					03-08-74	--	--
				1975	12-04-74	10.98	277
					03-08-75	--	--

*Before Perris Reservoir.
-- Not determined.

GROUND WATER

Most of the water for domestic and agricultural use has come from the Colorado River Aqueduct since 1954. Most water for the area is purchased from the Metropolitan Water District of Southern California and distributed by Eastern Municipal Water District. EMWD can use four supply wells for emergency purposes in the event that aqueduct supplies are interrupted. These wells are on standby and are pumped for about one month each year.

Ground-water levels have been monitored in some parts of the valley since 1904. Most of the data were collected by the U.S. Geological Survey and the California Department of Water Resources. Tables 3, 4, and 5 show ground-water levels. The tables were prepared from information published by the California Department of Water Resources (1969a, 1974) and California Department of Public Works (1944). The well locations are shown in figure 8.

The water levels in 1942 might serve as a baseline for comparison in the future. The reason for showing the water levels in 1968 and 1970 is to demonstrate the effect of flood flows (which occurred here in January and February 1969) on recharge to the unconfined aquifer. Water levels prior to 1942 were investigated by Waring (1919).

Well-Numbering System

Two numbering systems were used in figure 8 for well identification. The first is based on well location in the rectangular system for subdivision of public land. For example, in the well number 4S/3W-18G1, that part of the number preceding the slash indicates the township (T. 4 S.); the number and letter following the slash indicate the range (R. 3 W.); the number following the hyphen indicates the section (sec. 18); the letter following the section number indicates the 40-acre subdivision of the section according to the lettered diagram below. The final digit is a serial number for wells in each 40-acre subdivision.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

The second system, used by the State of California, Department of Public Works, in its 1941 annual report of ground-water levels in San Jacinto and Antelope Valleys, designates each well again by township, range, and section. There is, however no further geographic identification. Each well identification in this system ends with a letter. This letter represents the chronological order in which the wells were constructed, "A" being the first constructed and "B" the second.

TABLE 3.- Ground-water levels at selected sites, 1941-42

State well number	Elevation of lsd (ft)	Date measured	Depth to water below lsd (ft)	Elevation of water surface (ft)
3S/3W-6B	1,652.0	11-14-41	163.7	1,488.3
3S/3W-7A	1,566.0	1-12-42	76.7	1,489.3
3S/3W-13A	1,596.4	1- 6-42	101.8	1,494.6
3S/3W-15B	1,538.0	1- 6-42	61.0	1,477.0
3S/3W-19A	1,523.4	1-12-42	60.8	1,462.6
3S/3W-20A	1,506.2	1- 6-42	130.4	1,375.8
3S/3W-22A	1,505.3	1- 6-42	38.7	1,466.6
3S/3W-30A	1,503.3	1-24-41	80.0	1,423.3
3S/3W-30C	1,499.0	1- 6-42	129.0	1,370.0
3S/3W-31A	1,479.5	1-12-42	126.4	1,353.1
3S/3W-32A	1,464.0	1-12-42	119.5	1,344.5
4S/3W-6A	1,478.0	1-14-42	169.1	1,308.9
4S/3W-6B	1,456.2	1-12-42	69.5	1,386.7
4S/3W-9A	1,445.7	1-14-42	133.2	1,312.5
4S/3W-16A	1,429.9	1-27-42	109.7	1,320.2
4S/3W-16B	1,447.7	1-13-42	143.8	1,303.9
4S/3W-16D	1,435.5	1-13-42	112.6	1,322.9
4S/3W-18B	1,438.6	1-15-42	133.6	1,305.0
4S/3W-18D	1,470.0	1-13-42	166.5	1,303.5
4S/3W-19A	1,477.9	12-19-41	80.2	1,397.7
4S/3W-20A	1,433.5	1-13-42	129.4	1,304.1
4S/3W-30A	1,444.4	1-13-42	74.1	1,370.3

TABLE 4.- Ground-water levels at selected sites, 1968

USGS well number	Elevation of lsd (ft)	Date measured	Depth to water below lsd (ft)	Elevation of water surface (ft)
3S/3W-6D1	1,650	11- 8-68	196.2	1,453.8
3S/3W-7F1	1,600	11- 8-68	139.1	1,460.9
3S/3W-13D1	1,595.5	11-14-68	142.8	1,452.7
3S/3W-15F1	1,538.2	11-14-68	135.3	1,402.9
3S/3W-31C2	1,475.4	11- 8-68	208.5	1,266.9
4S/3W-6H1	1,460.0	11-29-68	351.0	1,109.0
4S/3W-8L1	1,445.0	10-30-68	161.4	1,283.6
4S/3W-10E2	1,470.0	11-29-68	171.9	1,298.1
4S/3W-16L1	1,440.0	11-29-68	169.5	1,270.5
4S/3W-18G1	1,463.0	11-29-68	271.9	1,191.1
4S/3W-29Q1	1,417.0	11- 8-68	207.5	1,209.5

TABLE 5.- Ground-water levels at selected sites, 1970

USGS well number	Elevation of lsd (ft)	Date measured	Depth to water below lsd (ft)	Elevation of water surface (ft)
3S/3W-6D1	1,650.0	10- 8-70	208.1	1,441.9
3S/3W-7F1	1,600.0	10- 8-70	138.7	1,461.3
3S/3W-13D1	1,595.5	10-14-70	141.4	1,454.1
3S/3W-15F1	1,538.2	10-14-70	135.4	1,402.8
3S/3W-31C2	1,475.4	10- 8-70	209.3	1,266.3
4S/3W-4G1	1,480.0	11- 2-70	42.2	1,437.8
4S/3W-6H1	1,460.0	11- 2-70	325.3	1,134.7
4S/3W-10E3	1,469.1	11- 2-70	177.9	1,291.2
4S/3W-10H1	1,530.1	11- 2-70	32.4	1,497.7
4S/3W-16L1	1,440.0	11- 2-70	169.3	1,270.7
4S/3W-18G1	1,463.0	11- 2-70	267.0	1,196.0
4S/3W-19R1	1,440.0	12- 8-70	247.0	1,193.0
4S/3W-29Q1	1,417.0	11- 4-70	204.9	1,212.1

IMPORTED WATER

Water has been imported into the valley from the Colorado River since 1954. The effect of this importation on the hydrologic regime of the basin was not considered in this text. It would be beyond the scope of this report to isolate any effects due solely to imported water.

Future studies in the valley might investigate this situation.

WATER QUALITY

Water in five wells was sampled in November of 2 or 3 years between 1969 and 1972 for water quality. Results of the analyses are tabulated in table 6.

SEDIMENT

Sediment-discharge data were collected at three stations (9, 17, and 21) during the water years 1970-75.

Sediment samples at all stations were collected with standard depth-integrating suspended-sediment samplers (U.S. Inter-Agency Committee on Water Resources, 1963). Samples were collected from selected vertical sections in a stream cross section to determine the average sediment concentration (Supplemental Data D) and particle-size distribution of sediment (Supplemental Data E) in the water-sediment mixture. Sediment concentrations are instantaneous values for the given discharge. Bedload size analyses are in Supplemental Data F.

TABLE 6. - Ground-water quality analyses, water years 1970-73

LOCAL IDENT-I-FIER	DATE OF SAMPLE	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, TOTAL (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SPECIFIC CONDUCTANCE (MICROMHOS)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
4S/3W-6H1	69-11-21	3.0	80	0	66	2.0	27	160	1.4	19	736	420
	71-11-03	2.0	72	0	59	1.2	25	140	1.7	21	648	384
	72-11-07	2.0	67	0	55	2.7	24	110	1.7	20	544	310
4S/3W-6H2	69-11-21	1.0	80	0	66	.8	25	100	1.7	19	542	316
	71-11-03	.9	74	4	67	.4	27	91	.8	19	490	300
3S/4W-24C1	69-11-12	4.0	220	0	180	35	97	340	.4	53	1590	1010
	71-11-03	3.0	160	0	140	51	52	250	1.1	62	1200	864
3S/4W-24D1	69-11-21	2.0	82	0	67	4.1	23	120	.5	54	--	438
	71-11-03	2.0	81	0	66	16	22	110	.5	59	579	416
	72-11-07	2.0	85	0	70	34	20	110	.4	62	--	480
3S/4W-24D2	69-11-21	3.0	150	0	120	24	68	250	.4	55	1160	712
	71-11-03	3.0	120	0	95	30	78	190	.6	53	986	664
	72-11-07	2.0	92	0	75	29	27	130	.9	44	696	504

LOCAL IDENT-I-FIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	SODIUM PERCENT
4S/3W-6H1	69-11-21	392	9.3	--	7.8	2	125	50	43	4.3	92	61
	71-11-03	356	1.5	0	8.0	0	71	12	25	2.0	97	--
	72-11-07	303	--	0	7.6	1	45	0	16	1.2	90	--
4S/3W-6H2	69-11-21	298	5.4	--	8.2	2	53	0	18	2.0	87	78
	71-11-03	282	1.1	0	8.5	0	23	0	8.1	.7	89	--
3S/4W-24C1	69-11-12	900	17	--	7.0	3	550	370	140	49	100	28
	71-11-03	705	6.2	0	6.7	0	450	310	120	36	72	--
3S/4W-24D1	69-11-21	361	18	--	7.5	4	160	91	40	14	53	43
	71-11-03	361	5.8	0	6.9	0	140	77	36	13	53	--
	72-11-07	371	--	0	6.6	2	160	90	41	14	50	--
3S/4W-24D2	69-11-21	669	20	--	7.0	3	370	350	92	33	79	32
	71-11-03	576	4.0	0	6.8	0	260	170	67	23	86	--
	72-11-07	396	--	0	6.7	1	160	89	43	14	70	--

-- Value of constituent unavailable

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ILLUSTRATIONS

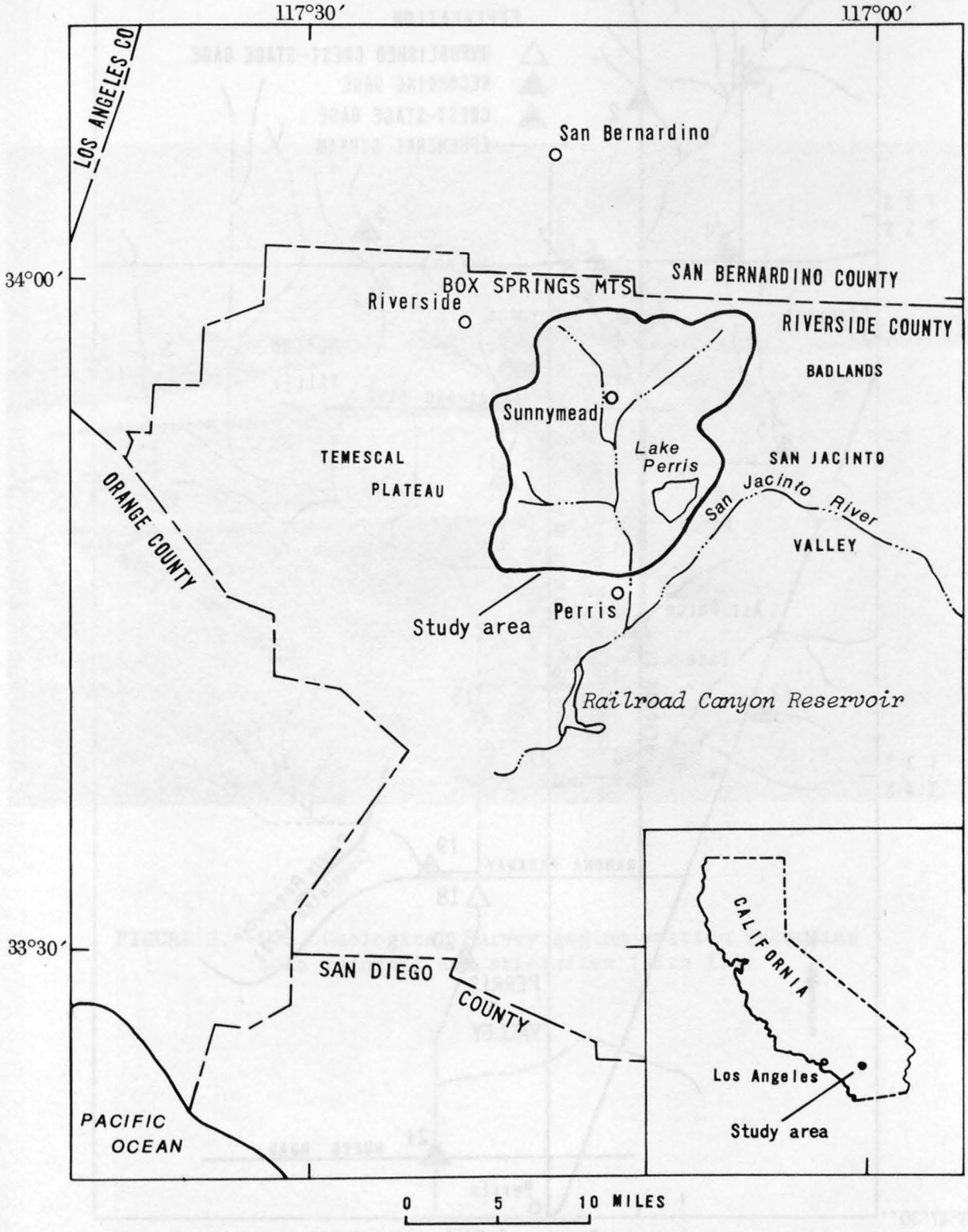

FIGURE 1.--Location of Perris Valley.

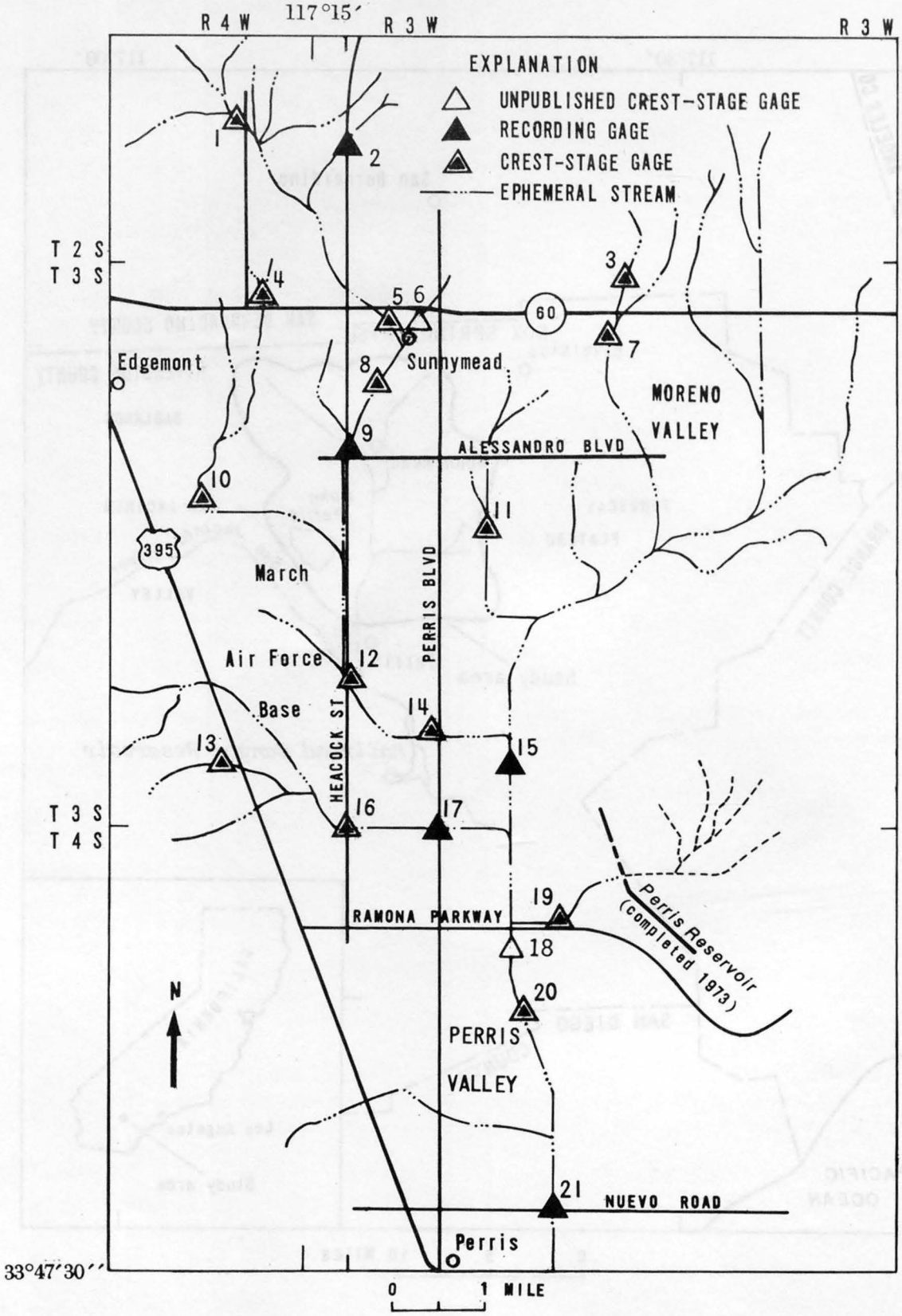

FIGURE 2.--Location of gaging stations.

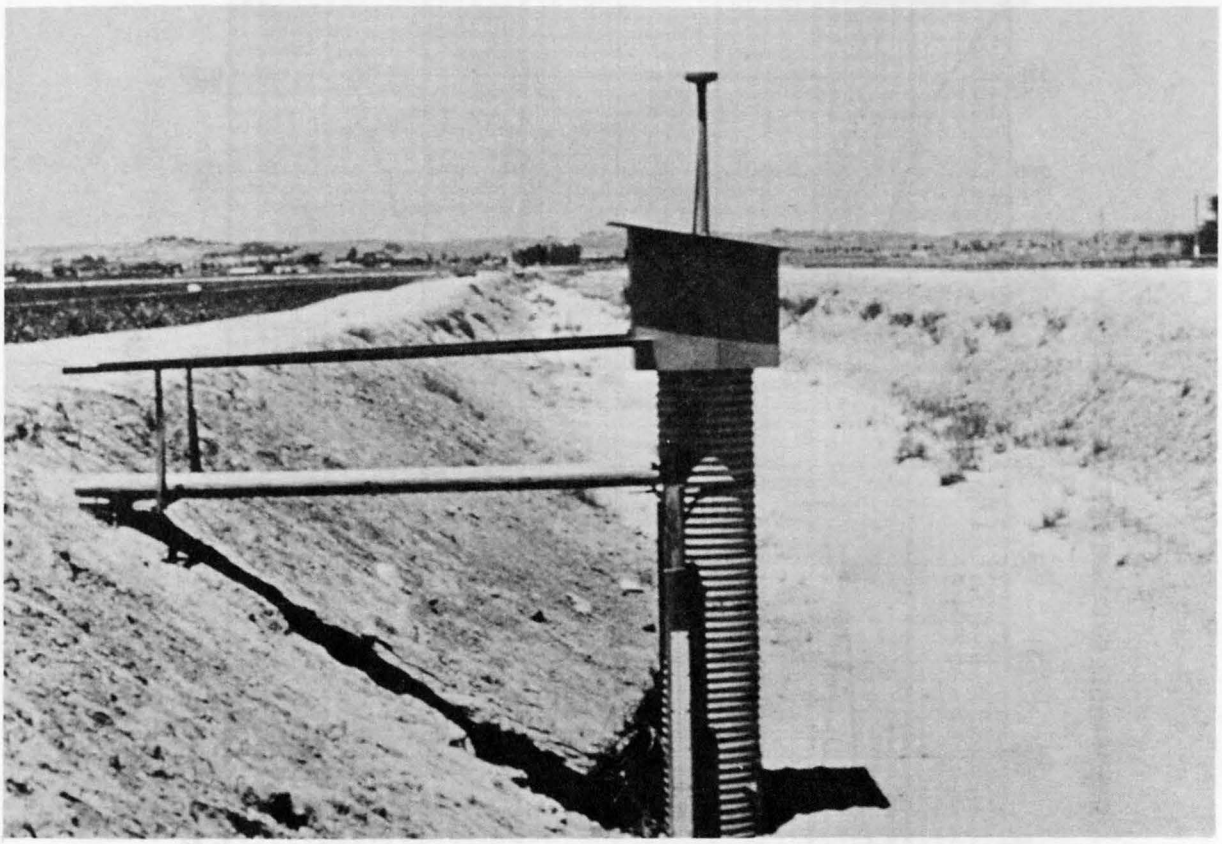

FIGURE 3.--U.S. Geological Survey gaging station recording both rainfall and streamflow (site 17).

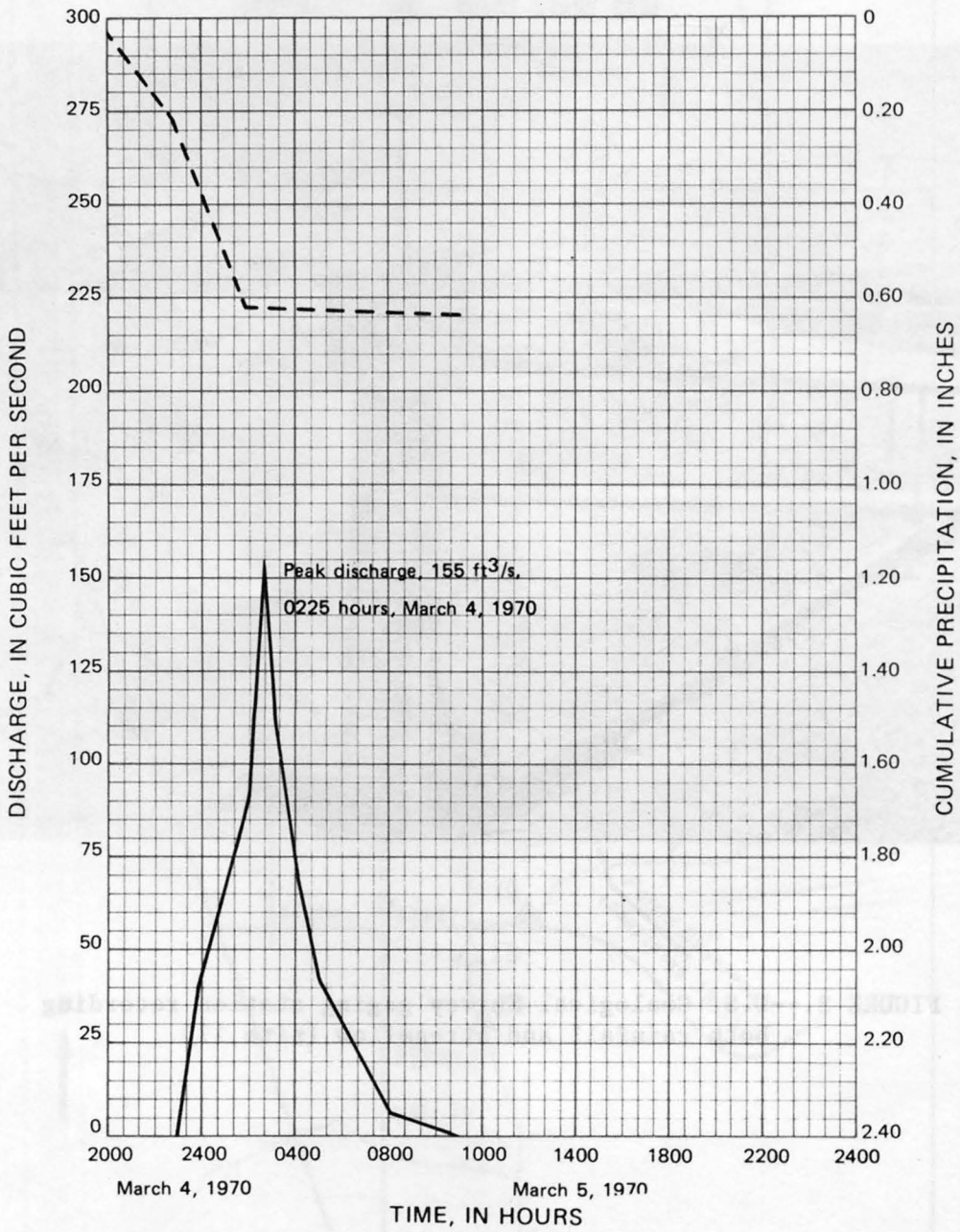

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9.

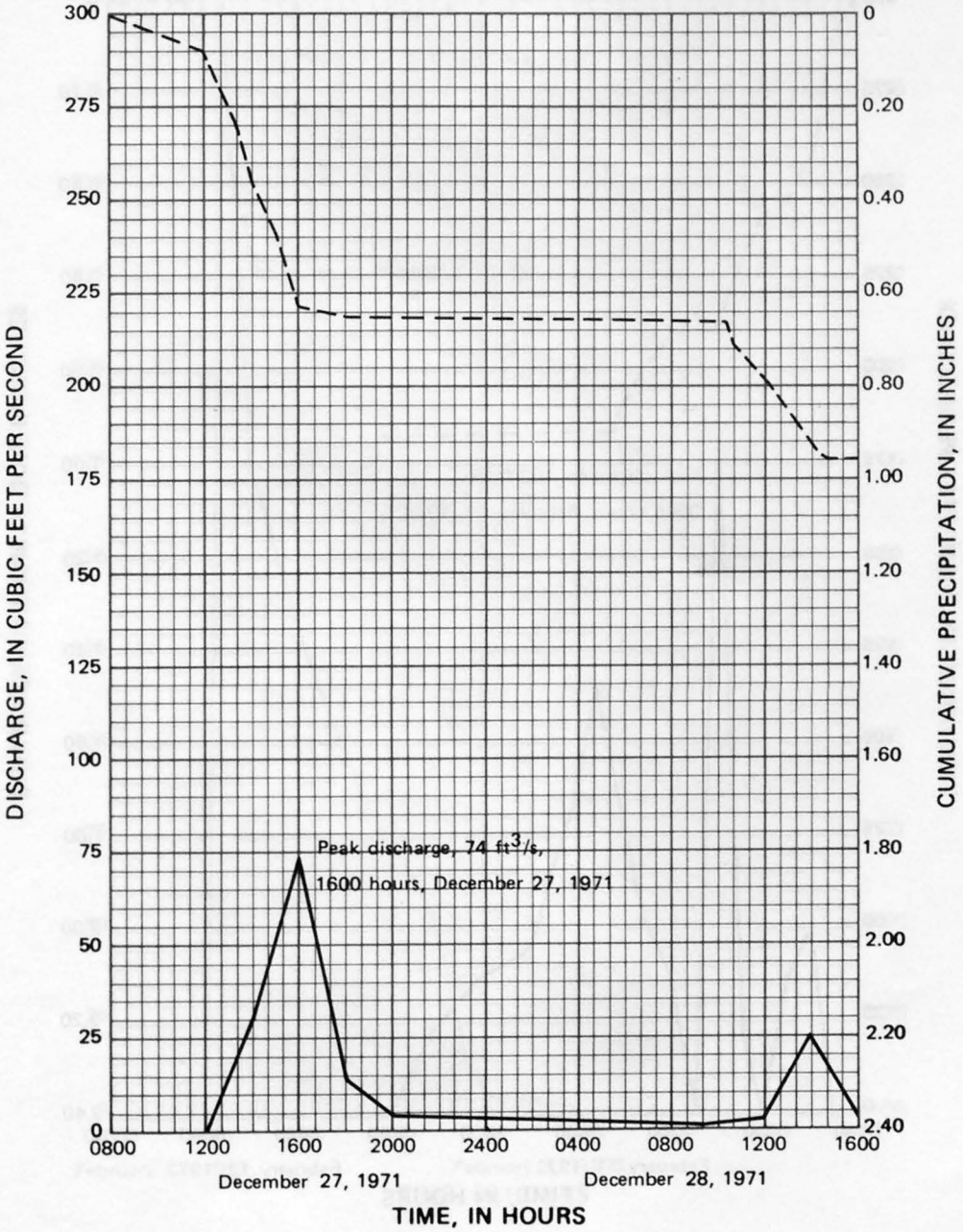

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

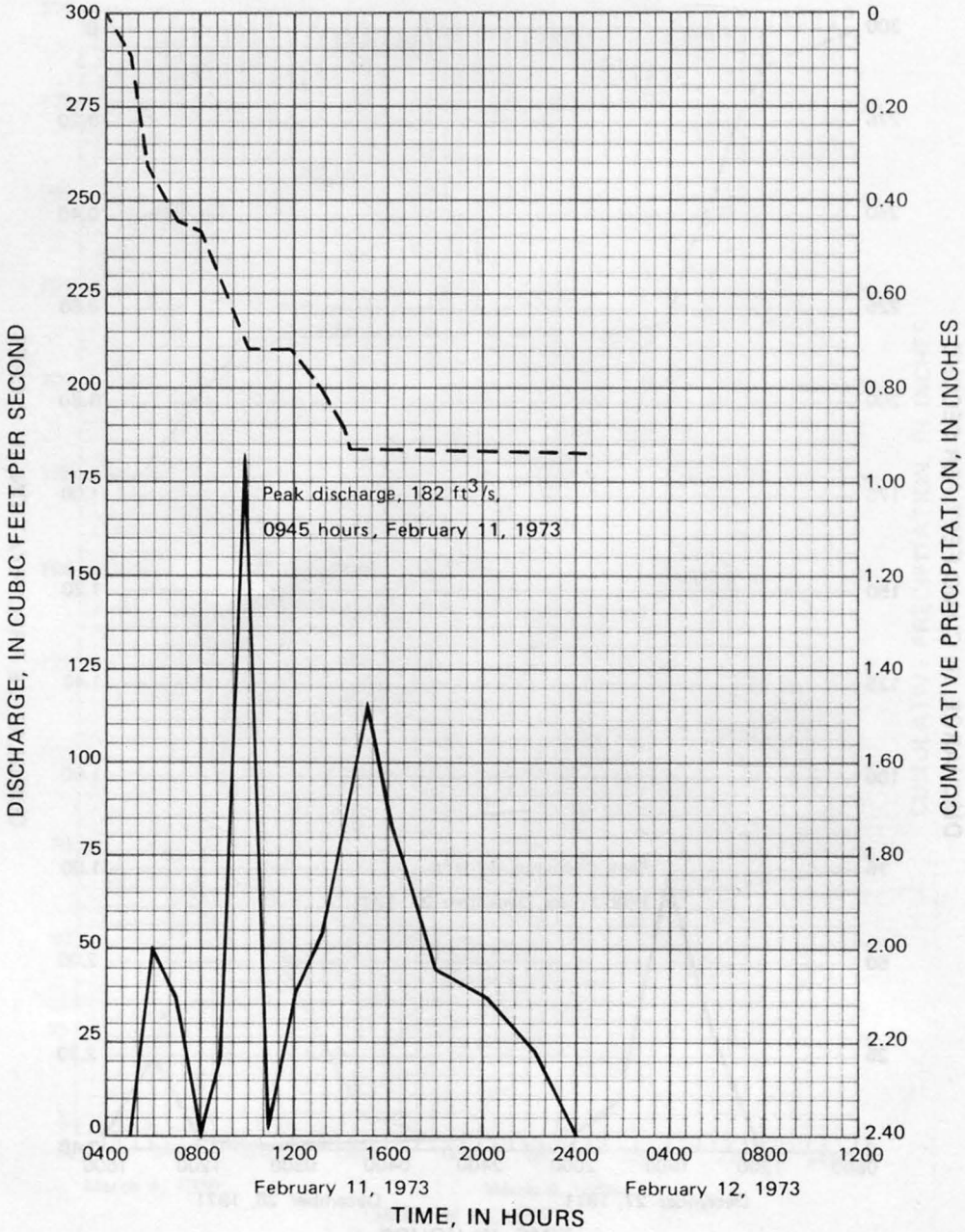

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

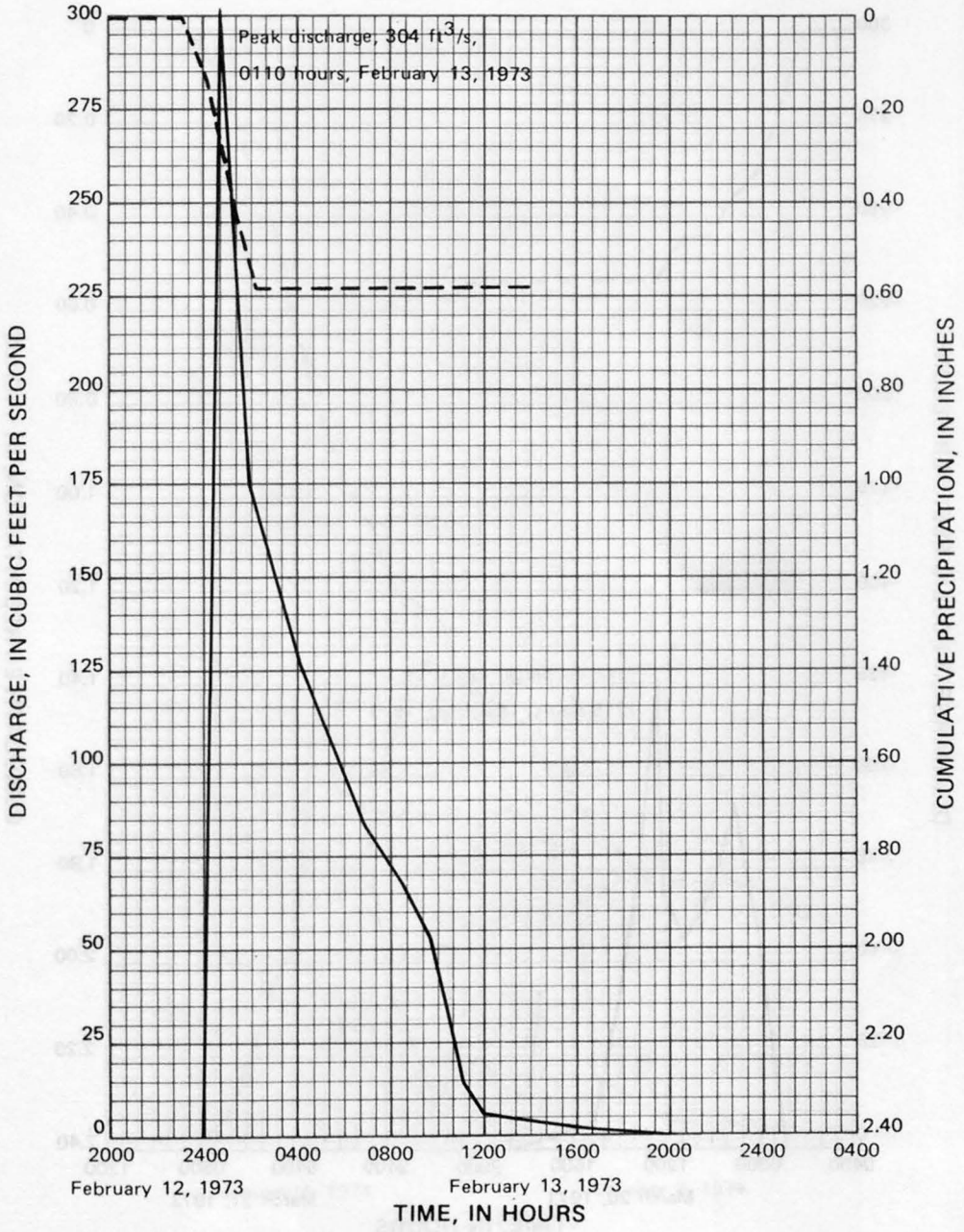

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

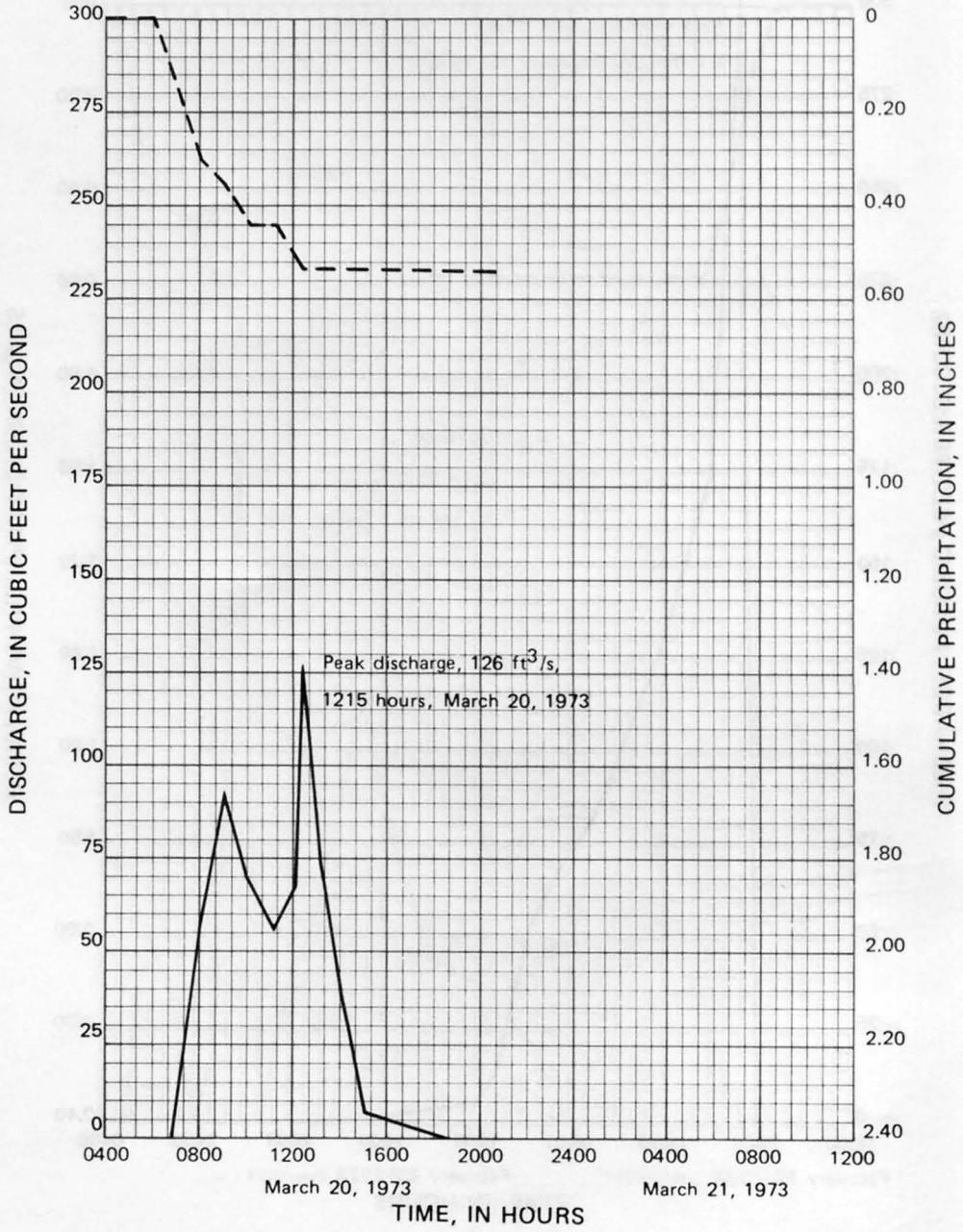

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

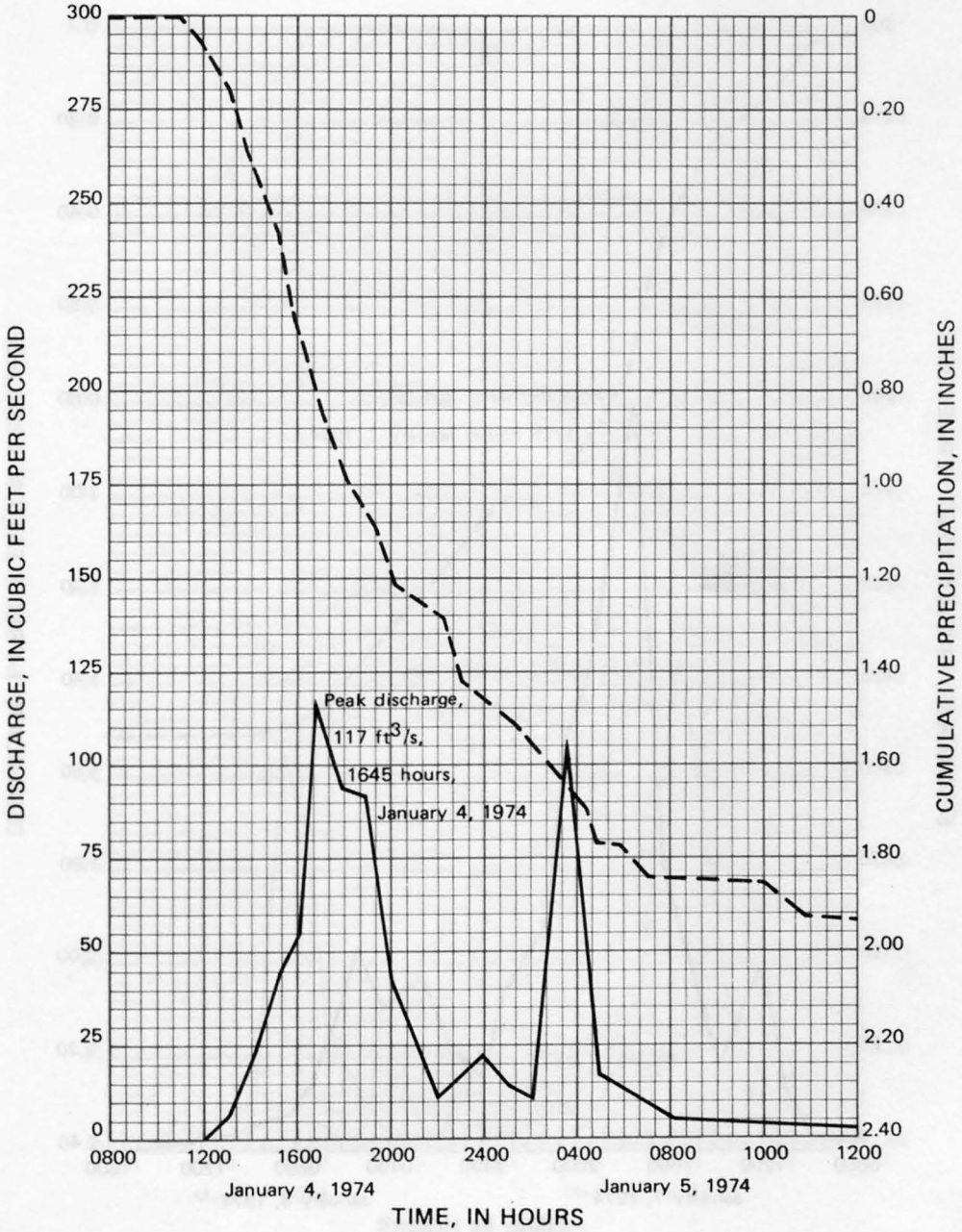

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

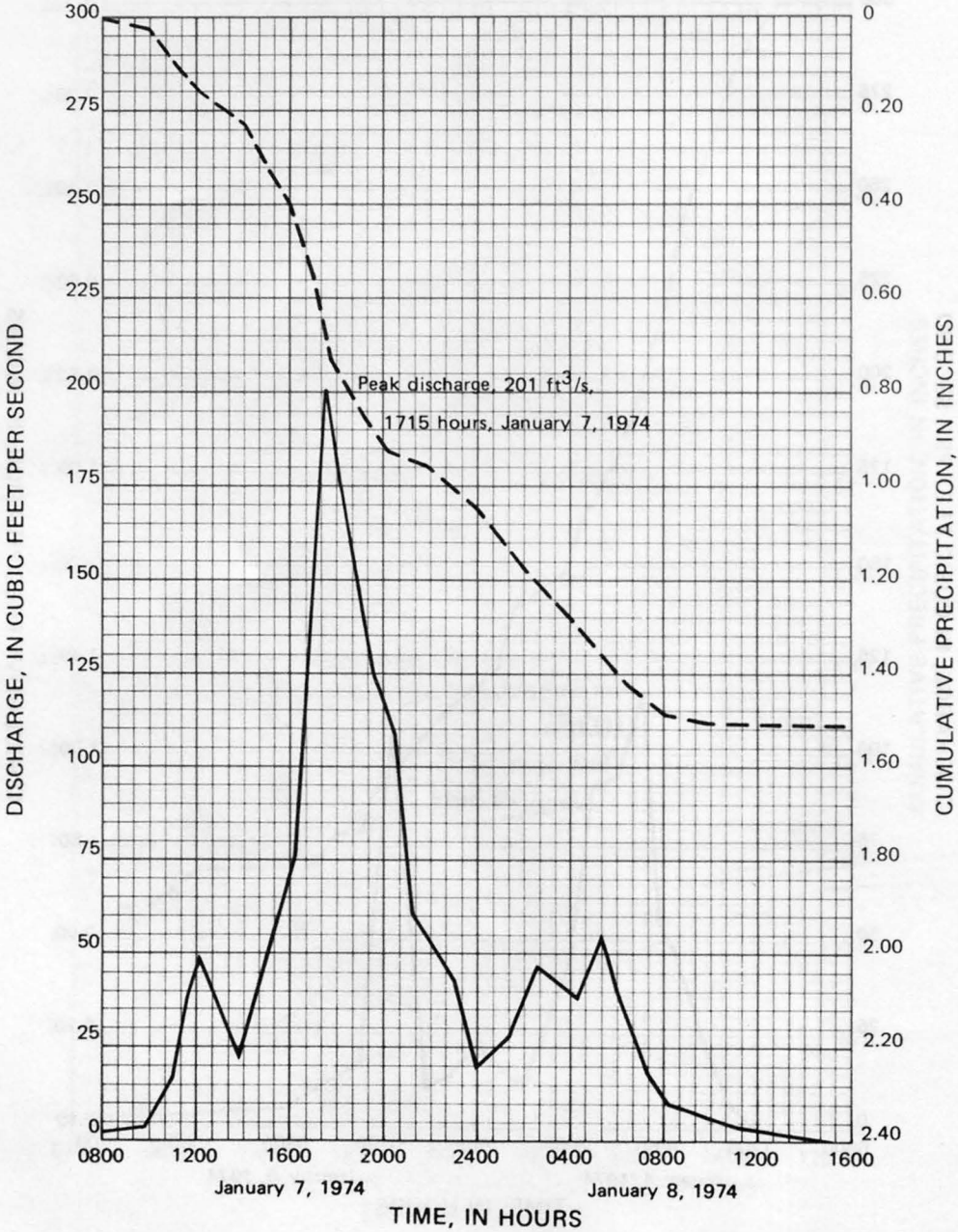

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

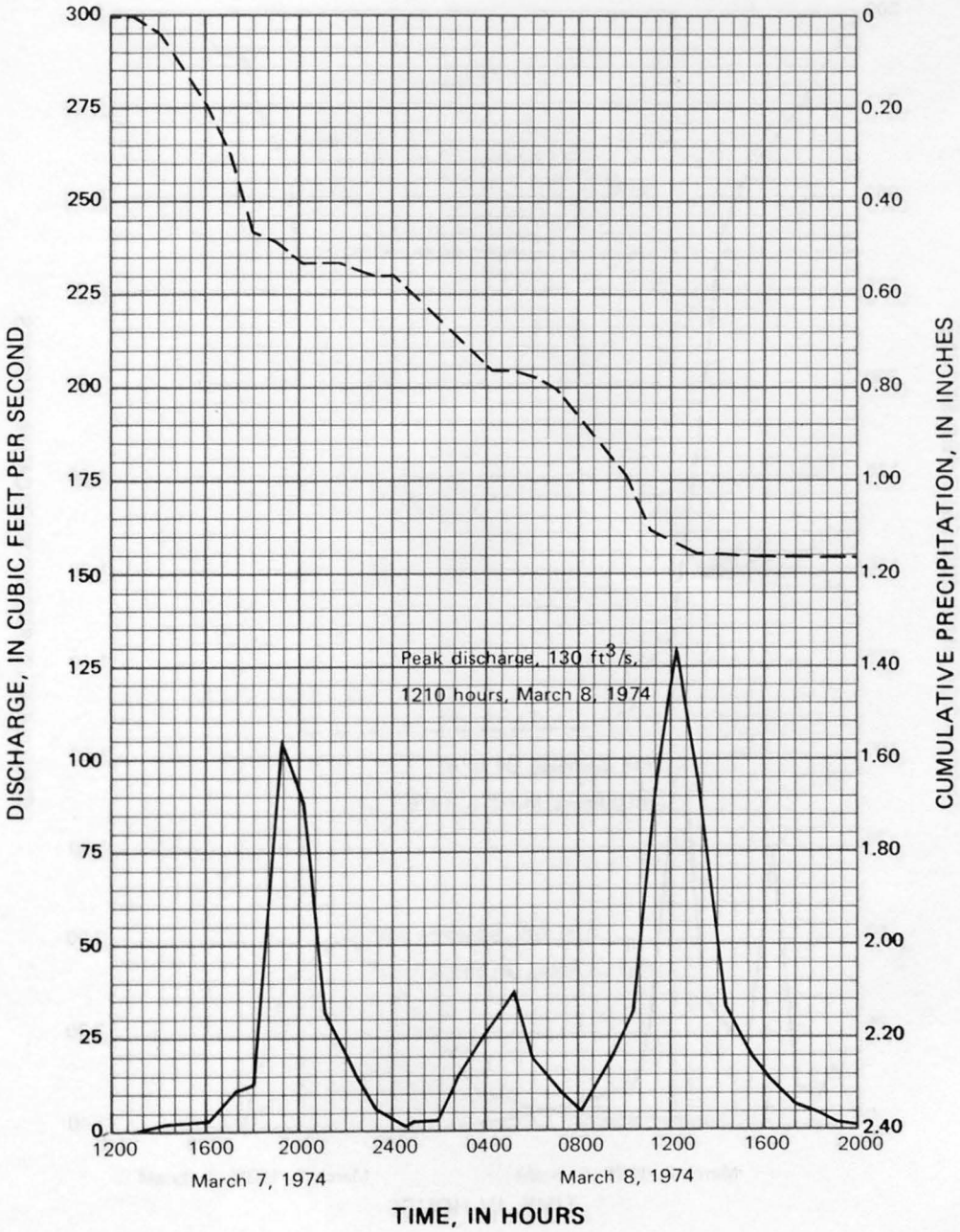

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

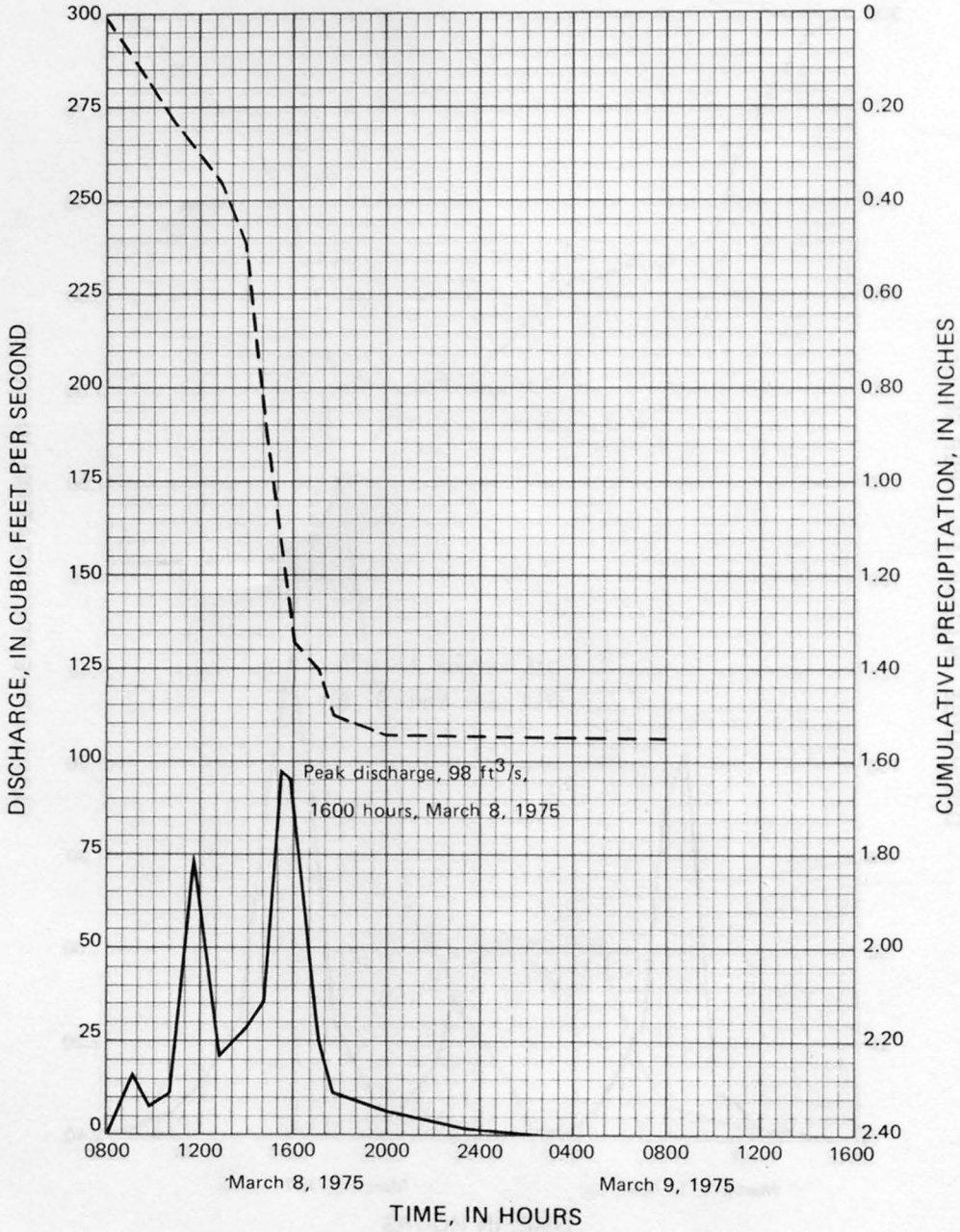

FIGURE 4.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 9--Continued.

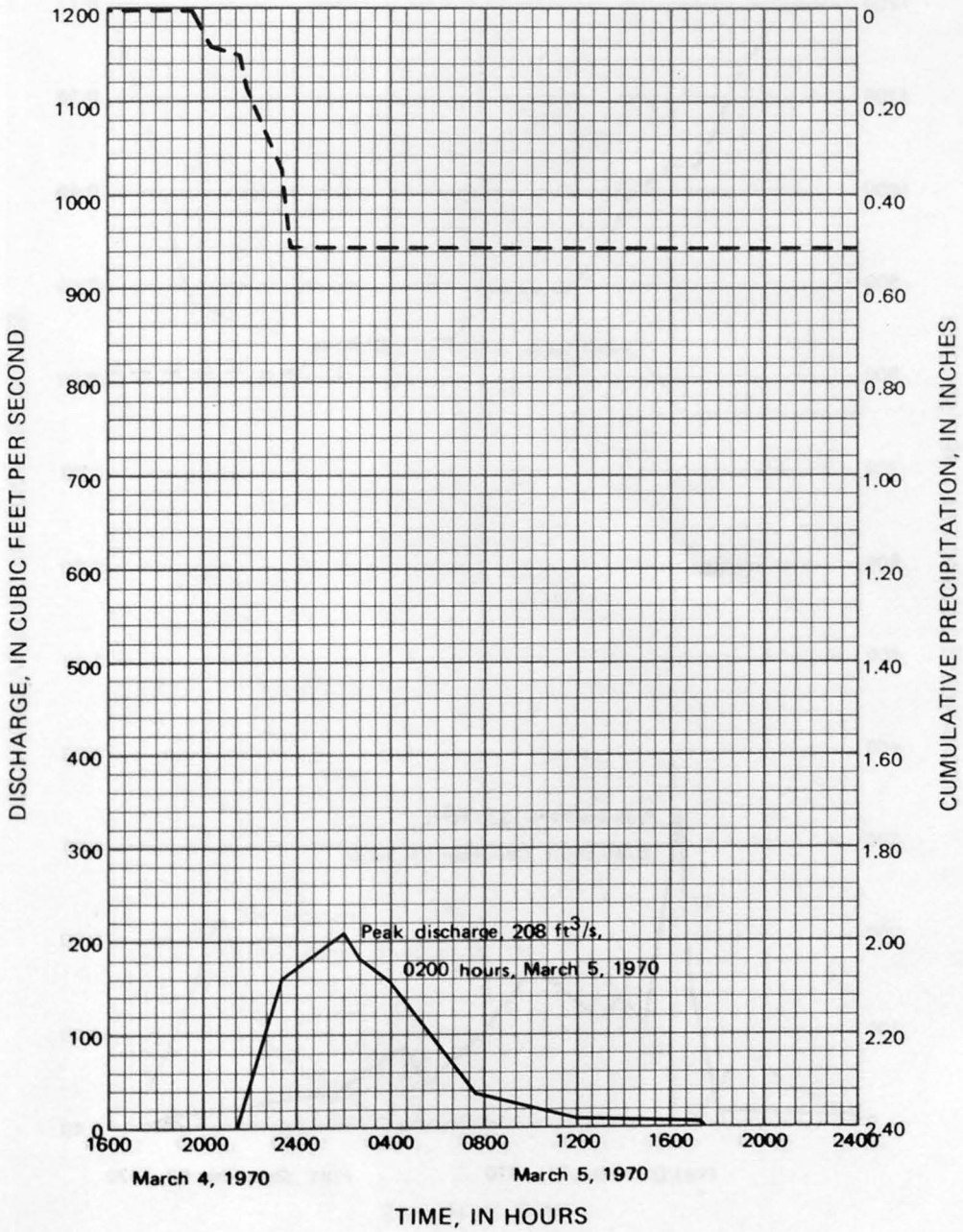

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21.

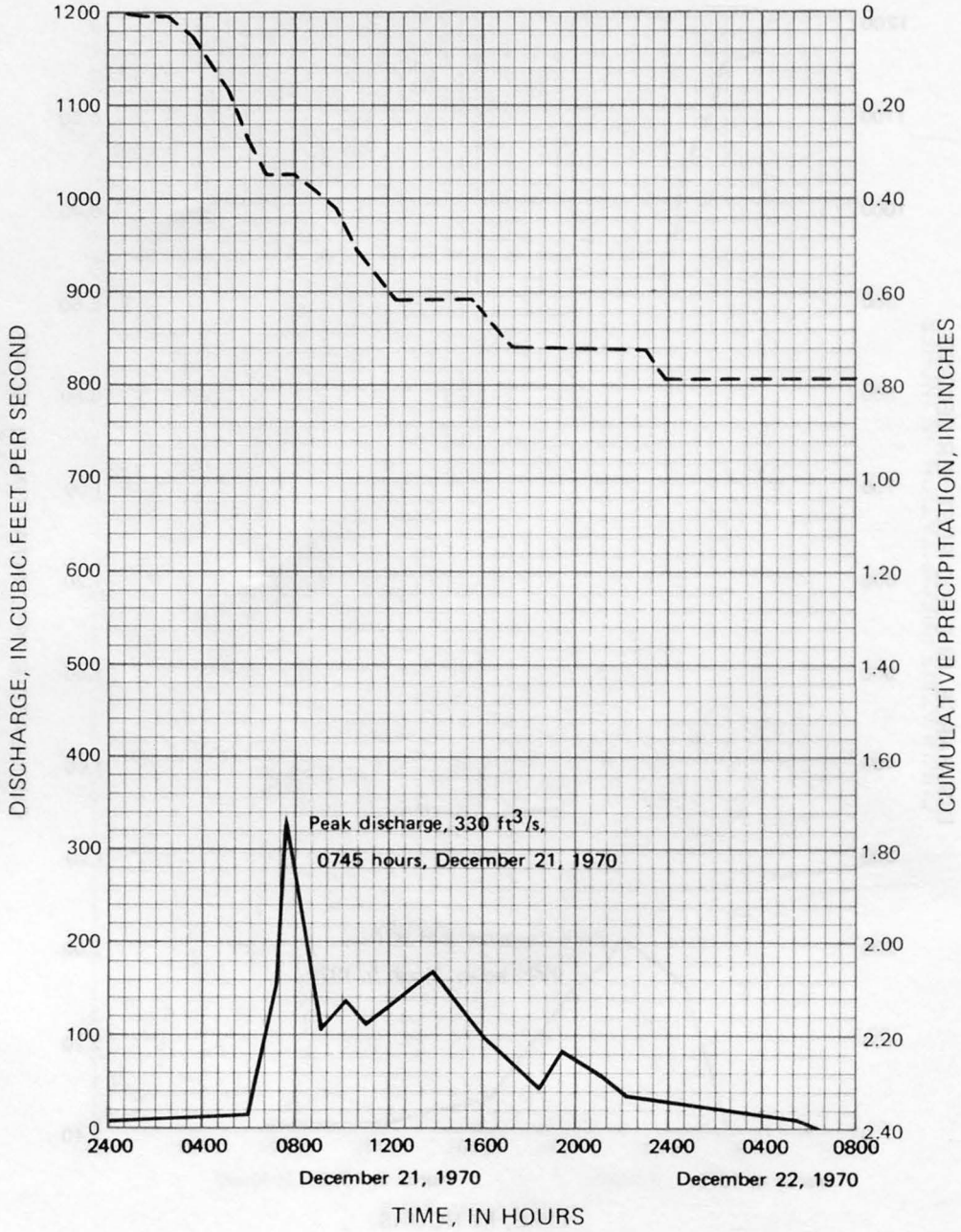

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

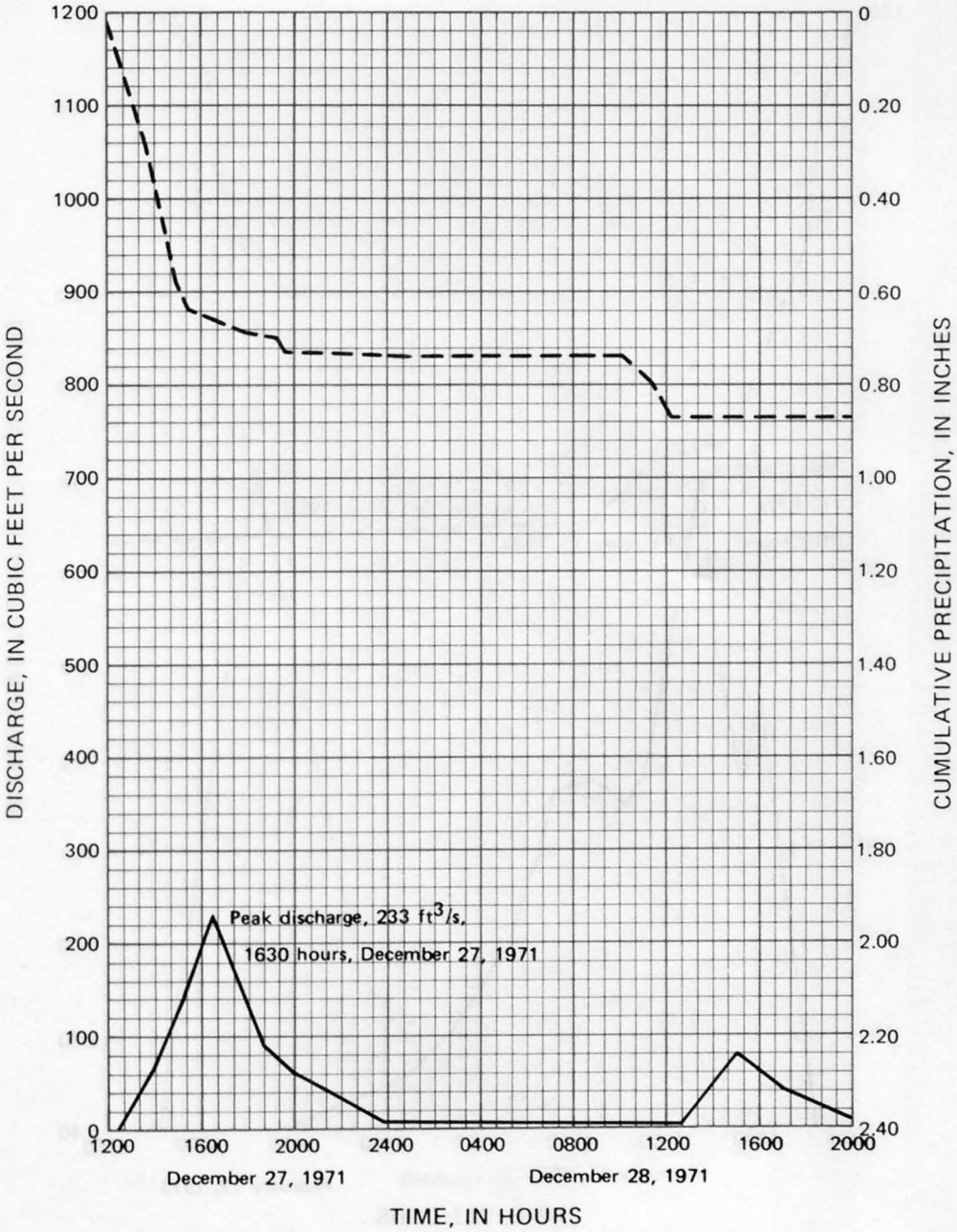

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

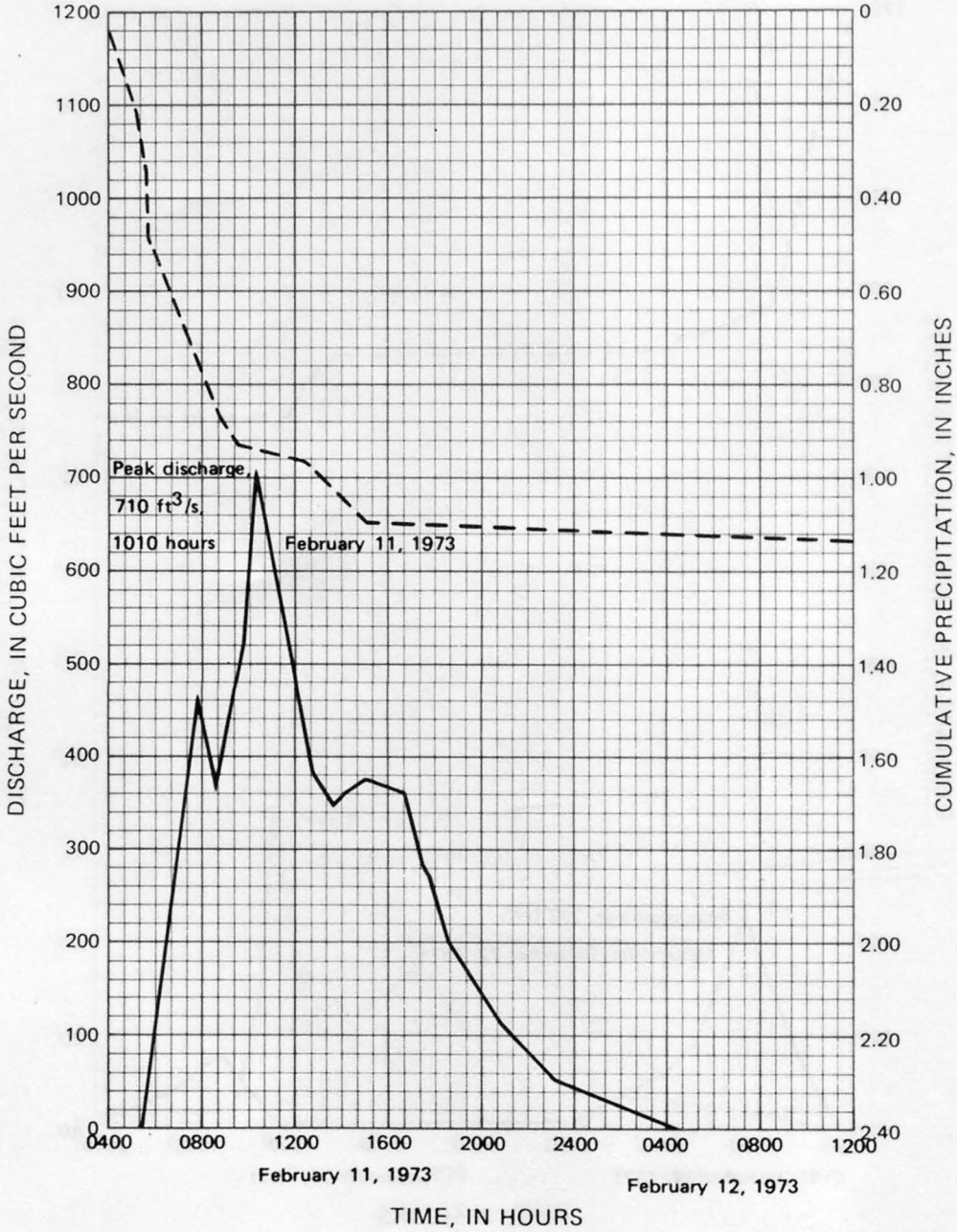

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

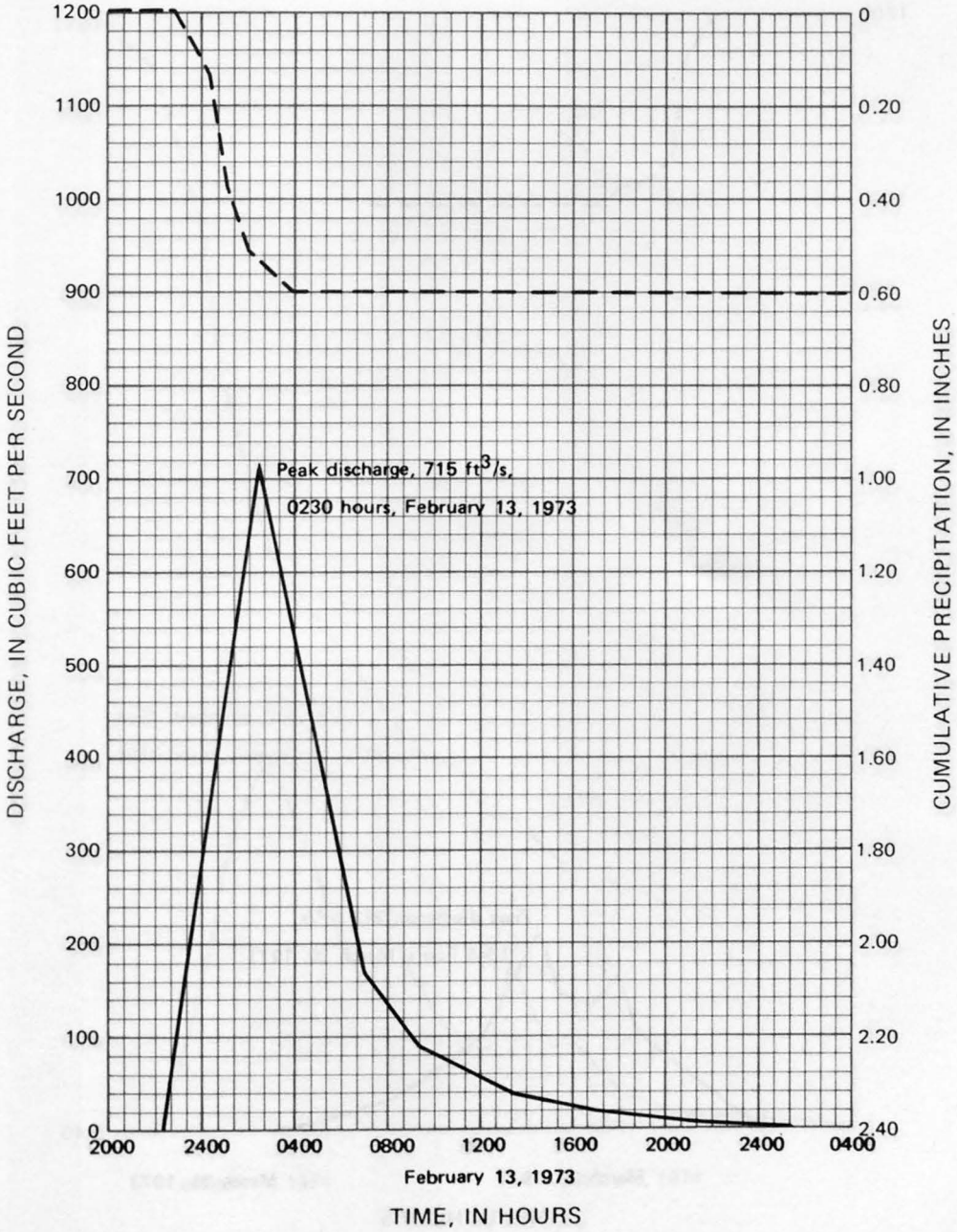

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

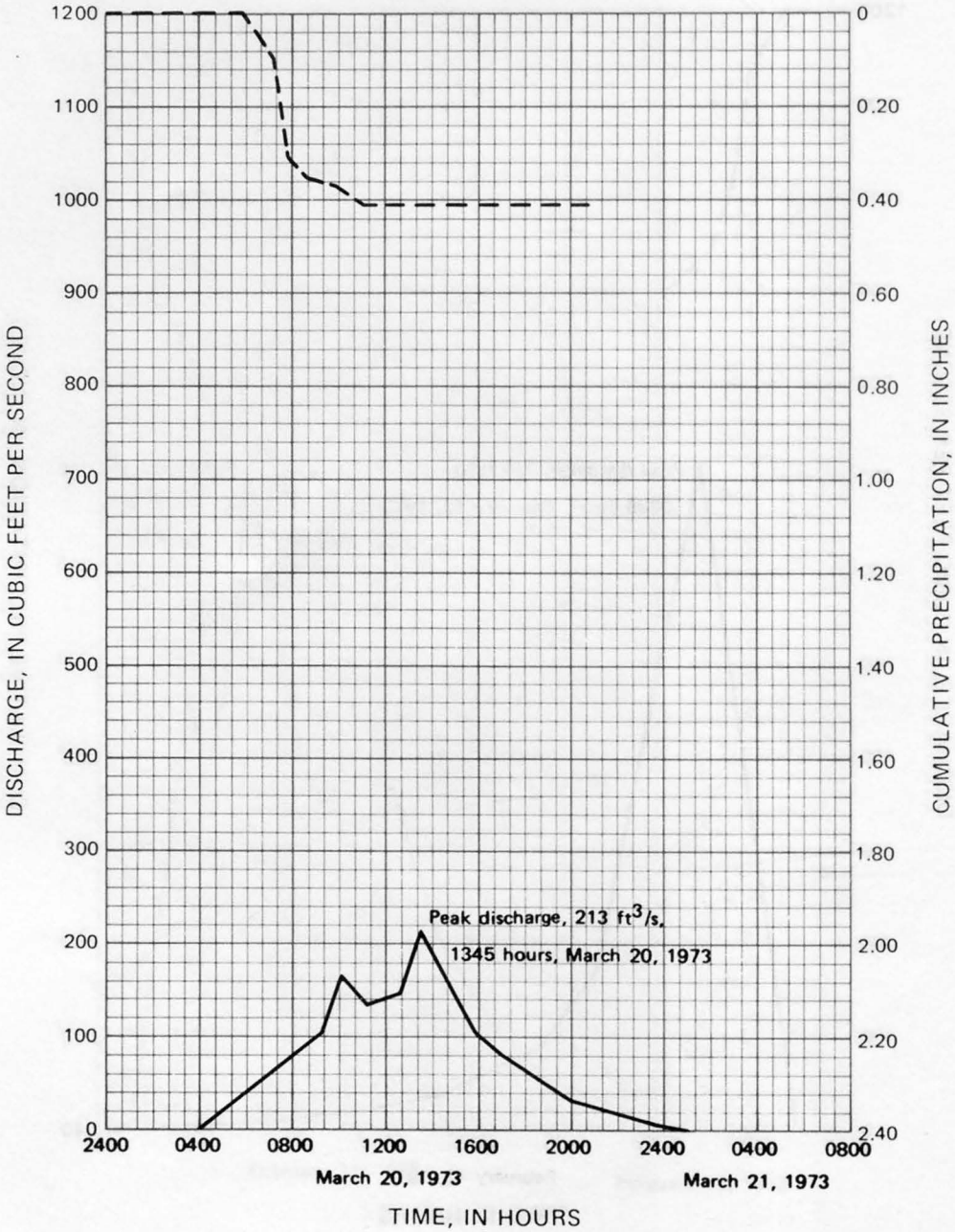

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

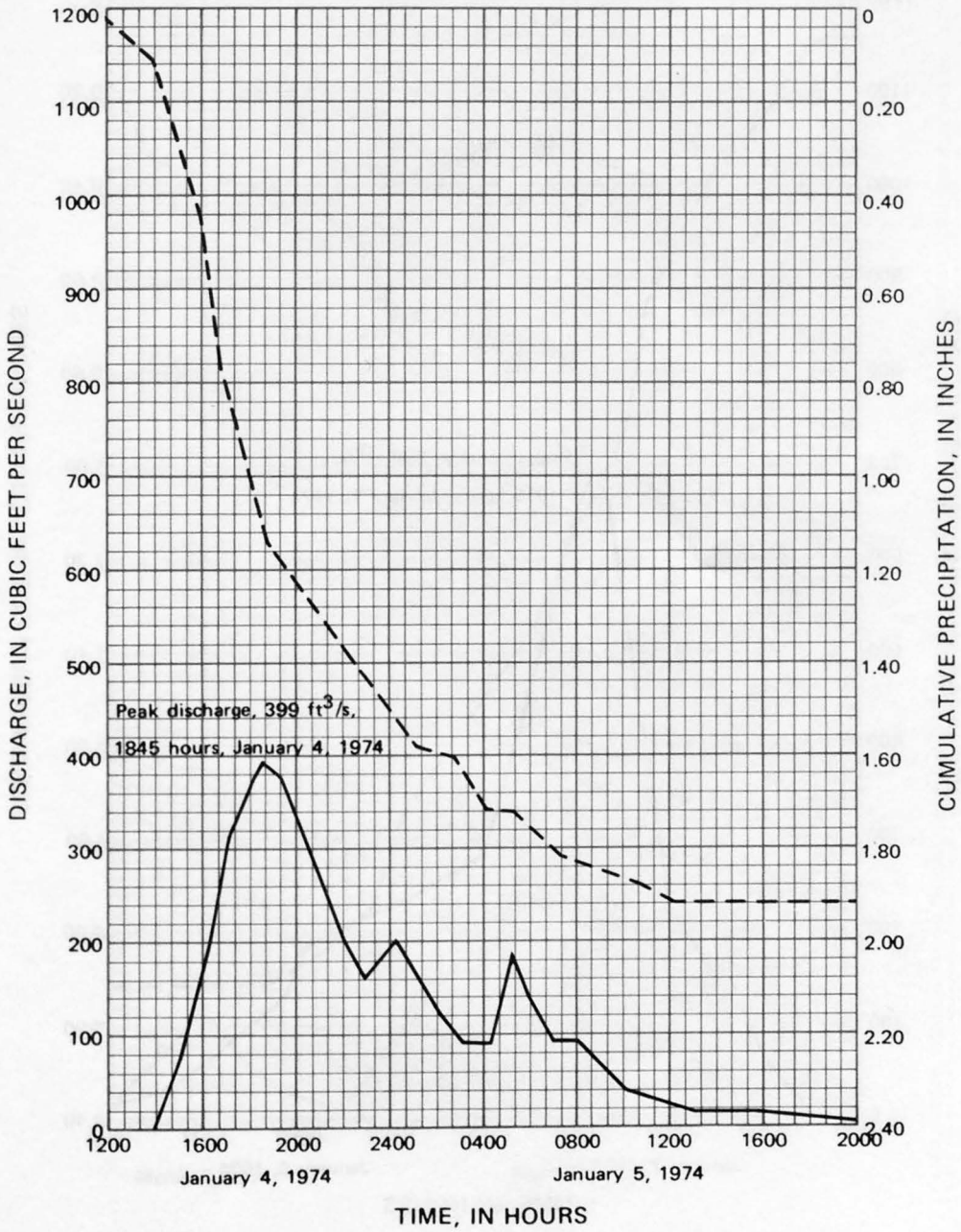

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

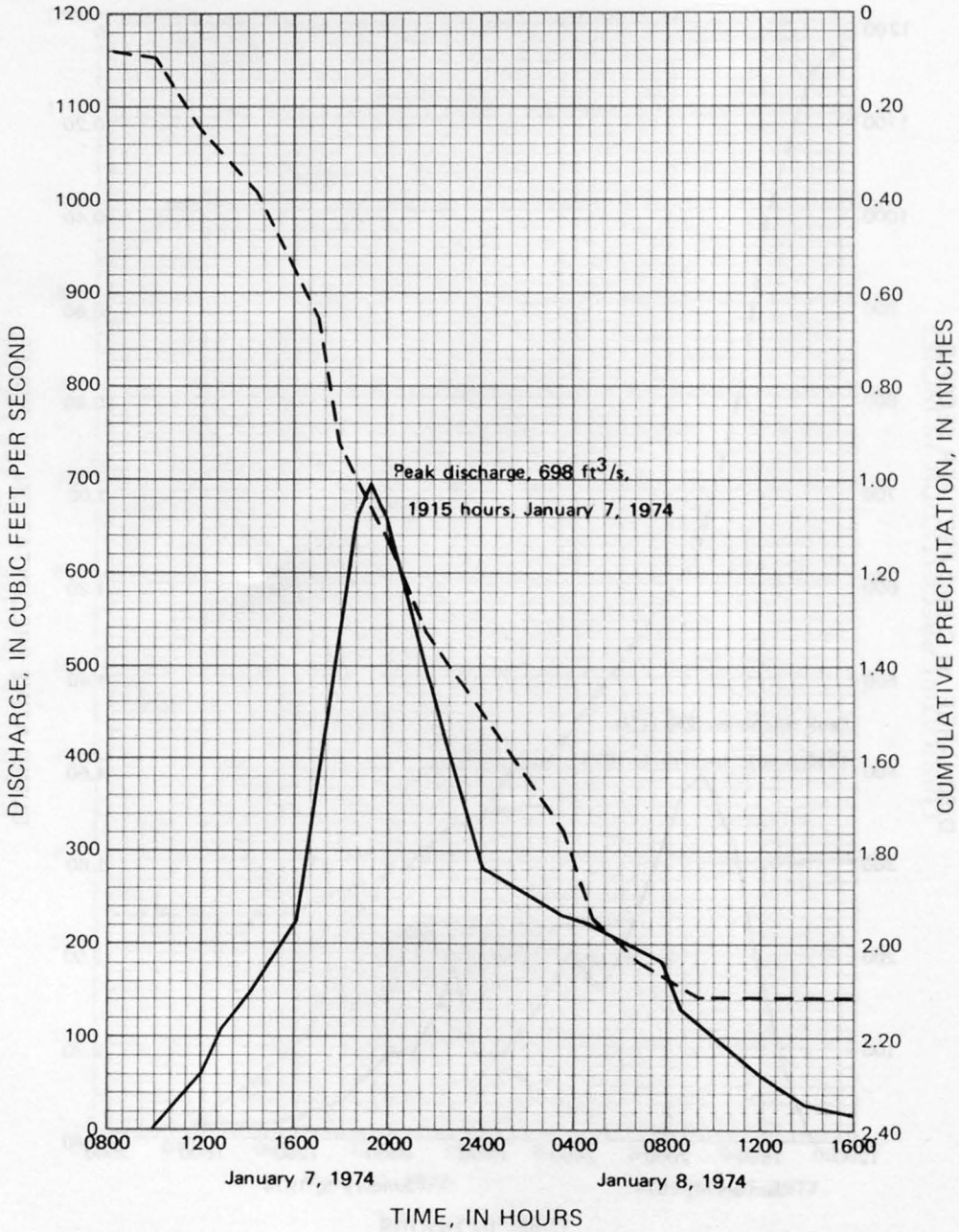

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

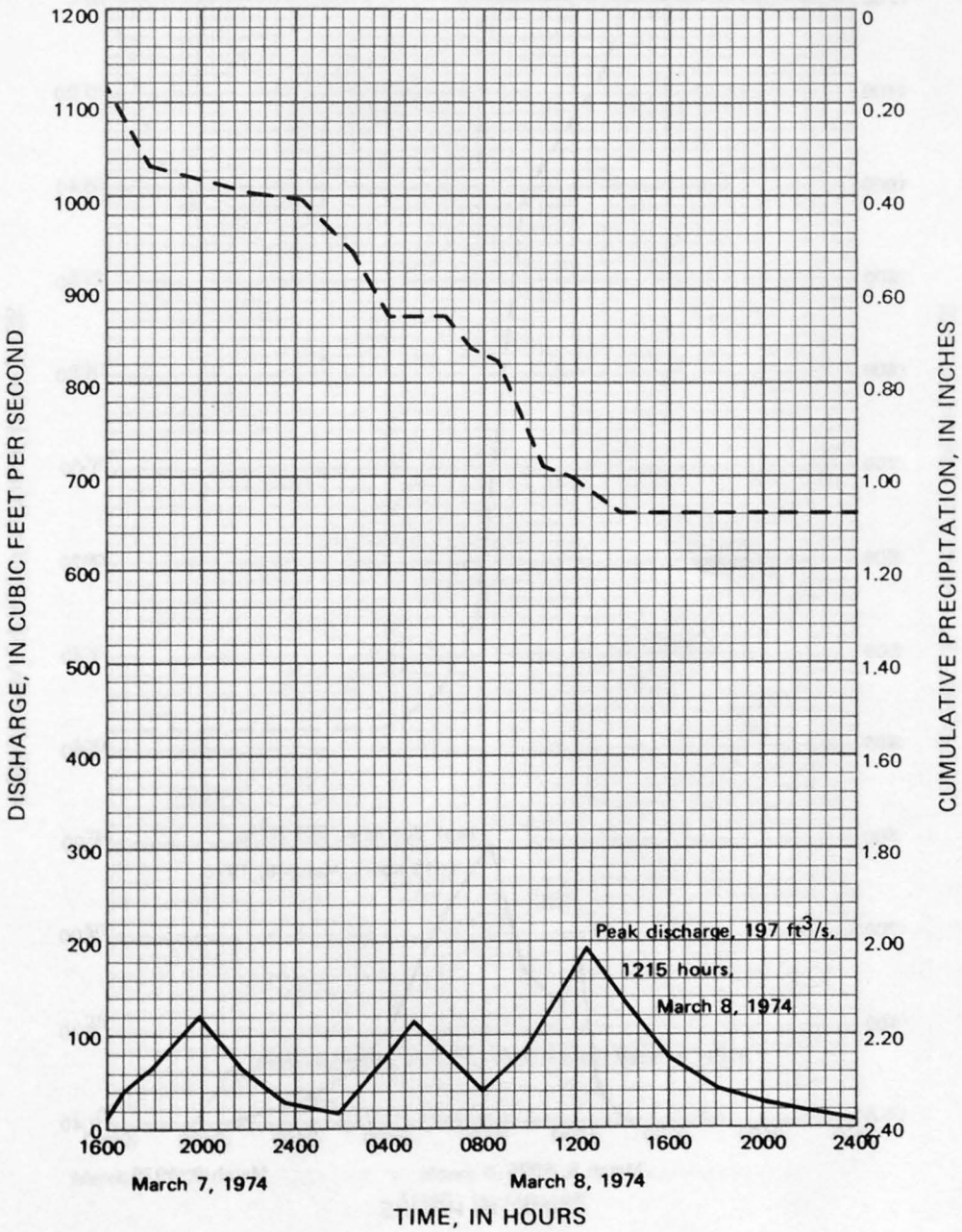

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

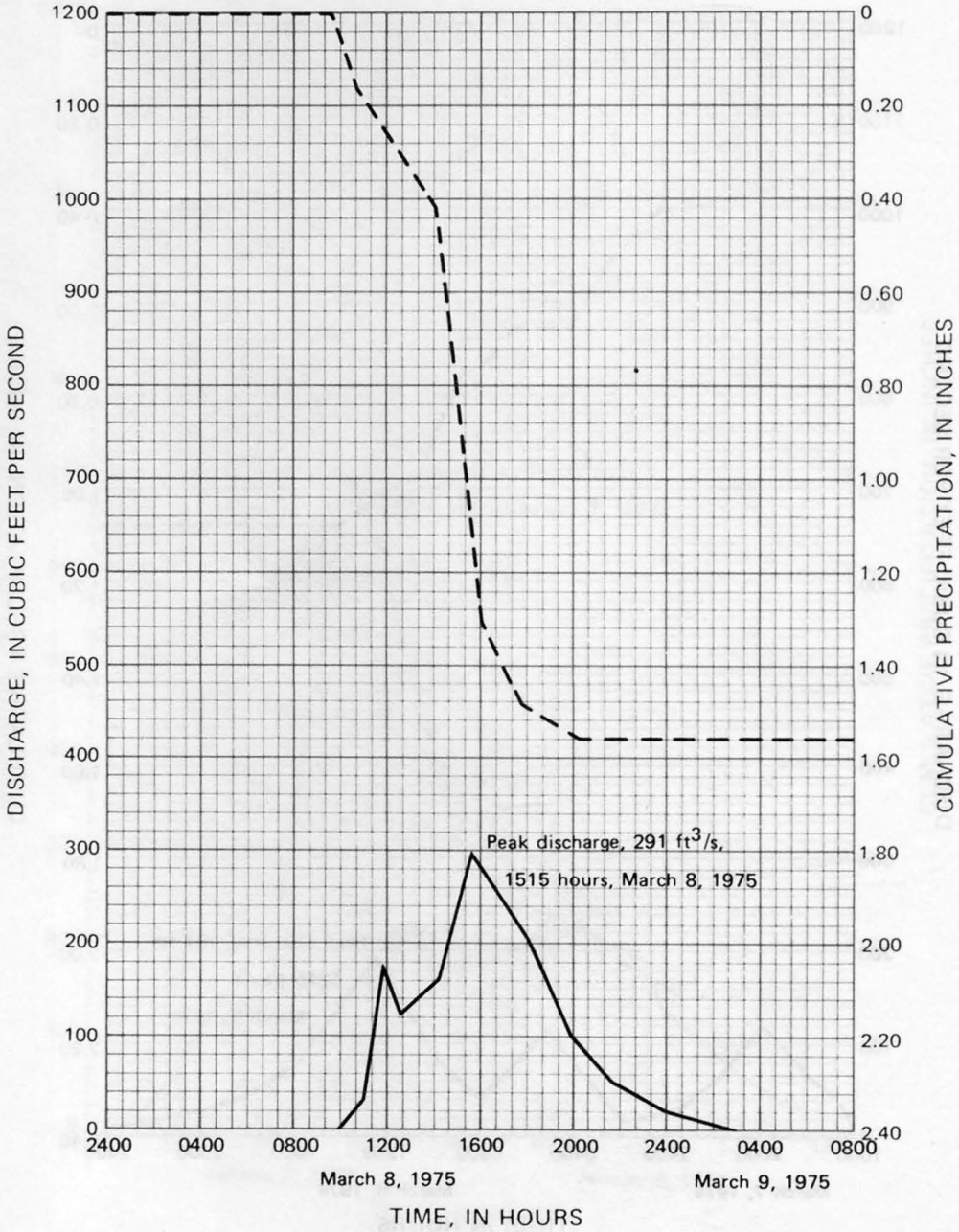

FIGURE 5.--Storm runoff (solid line) for station 15 and cumulative precipitation (broken line) for station 21--Continued.

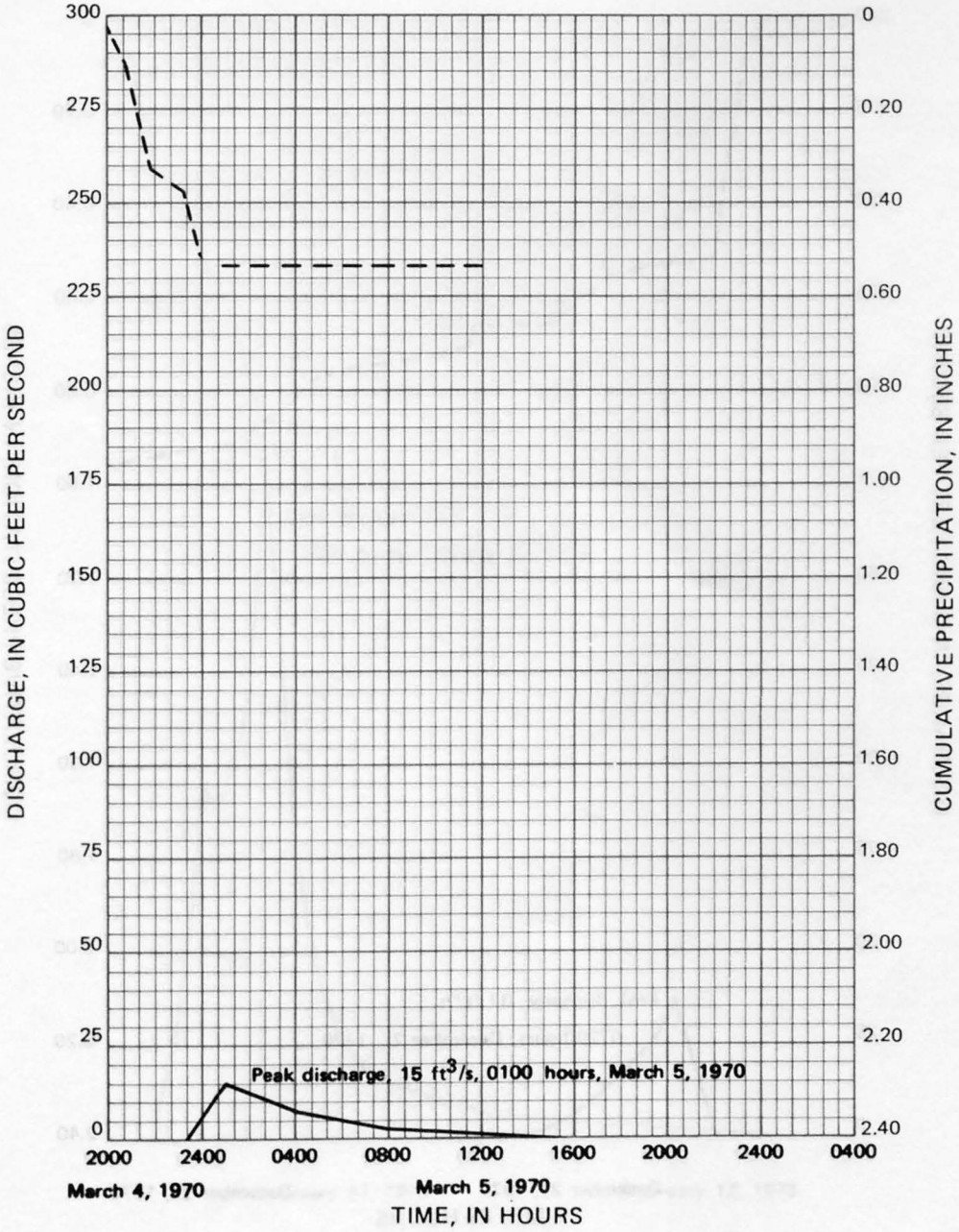

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17.

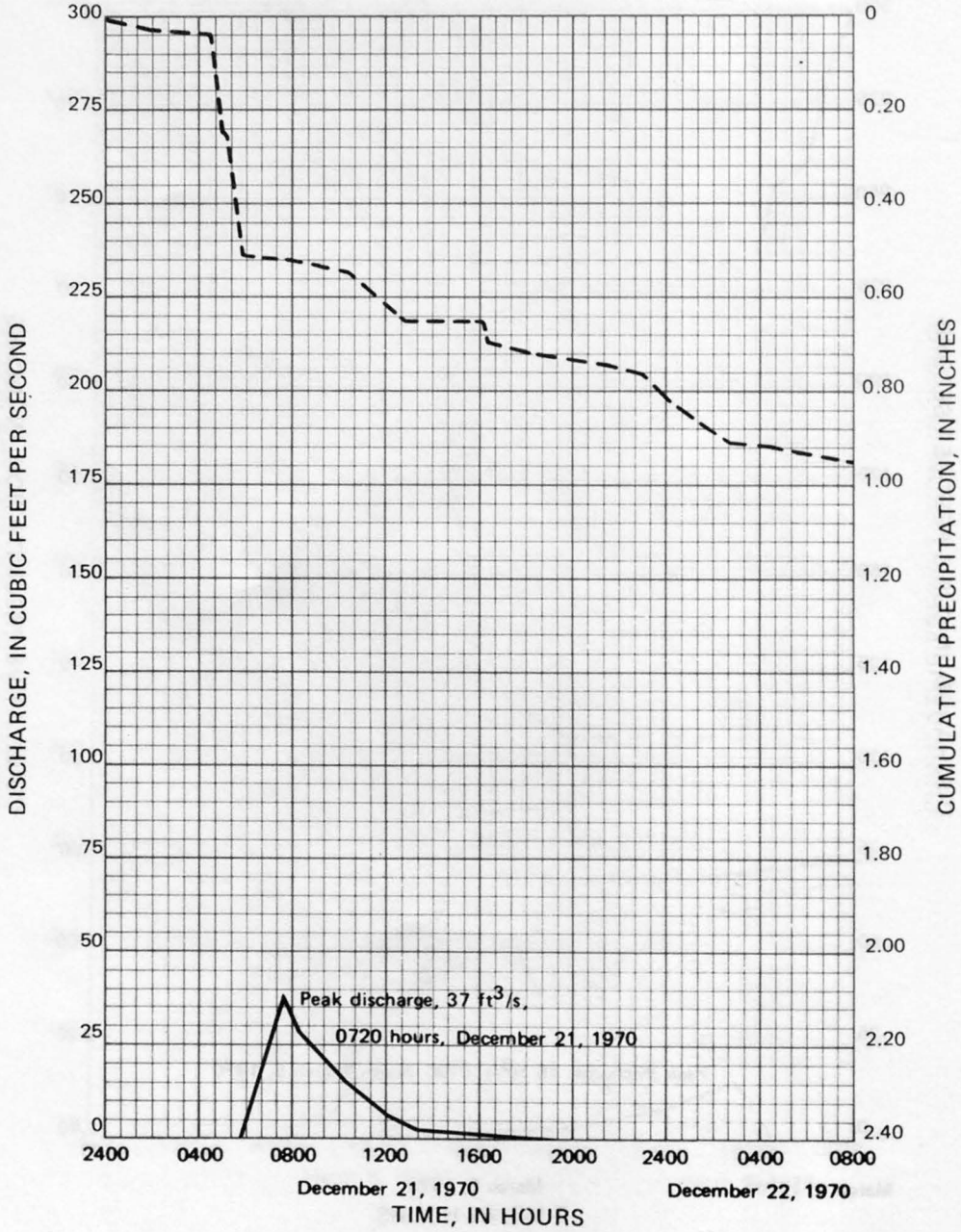

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

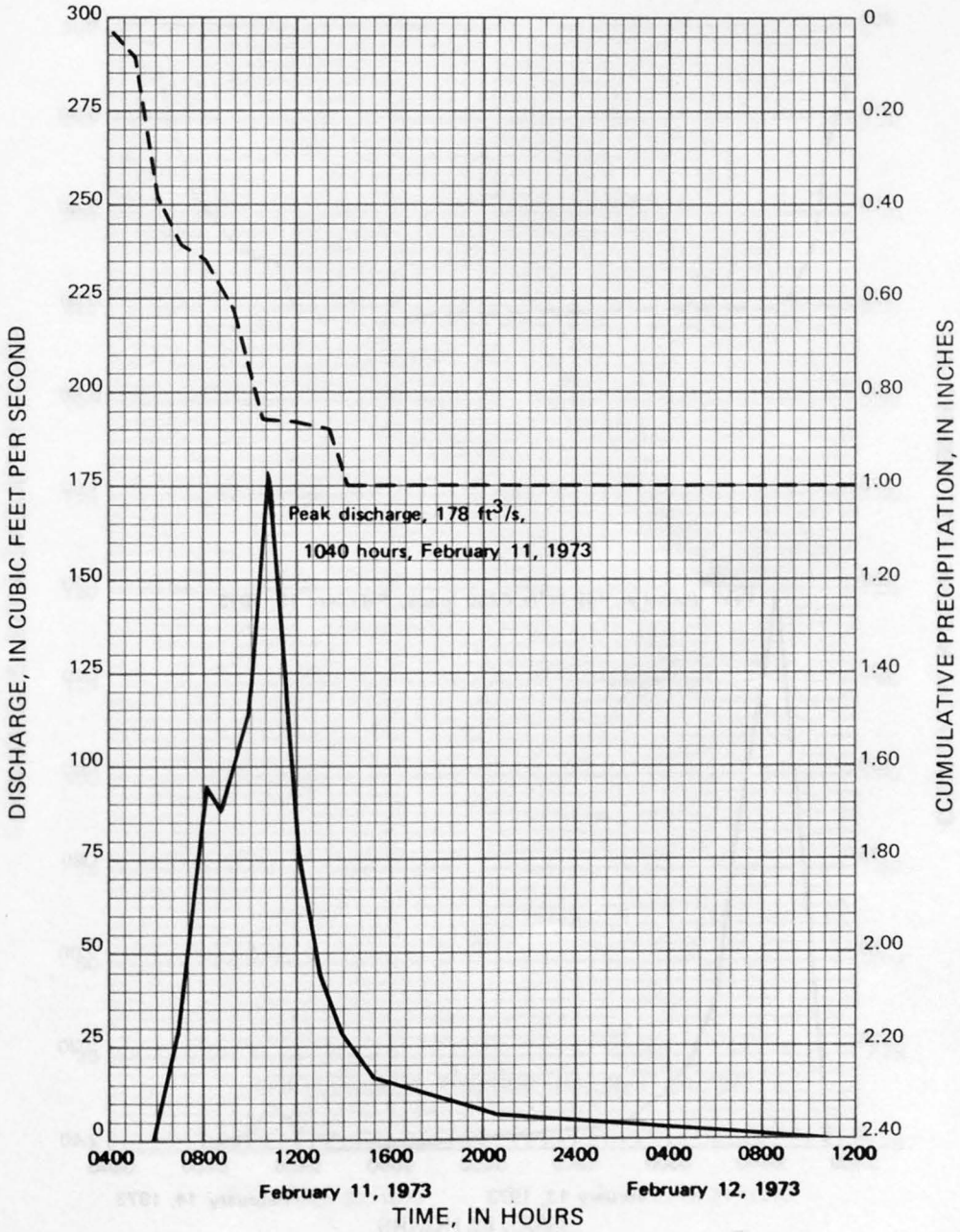

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

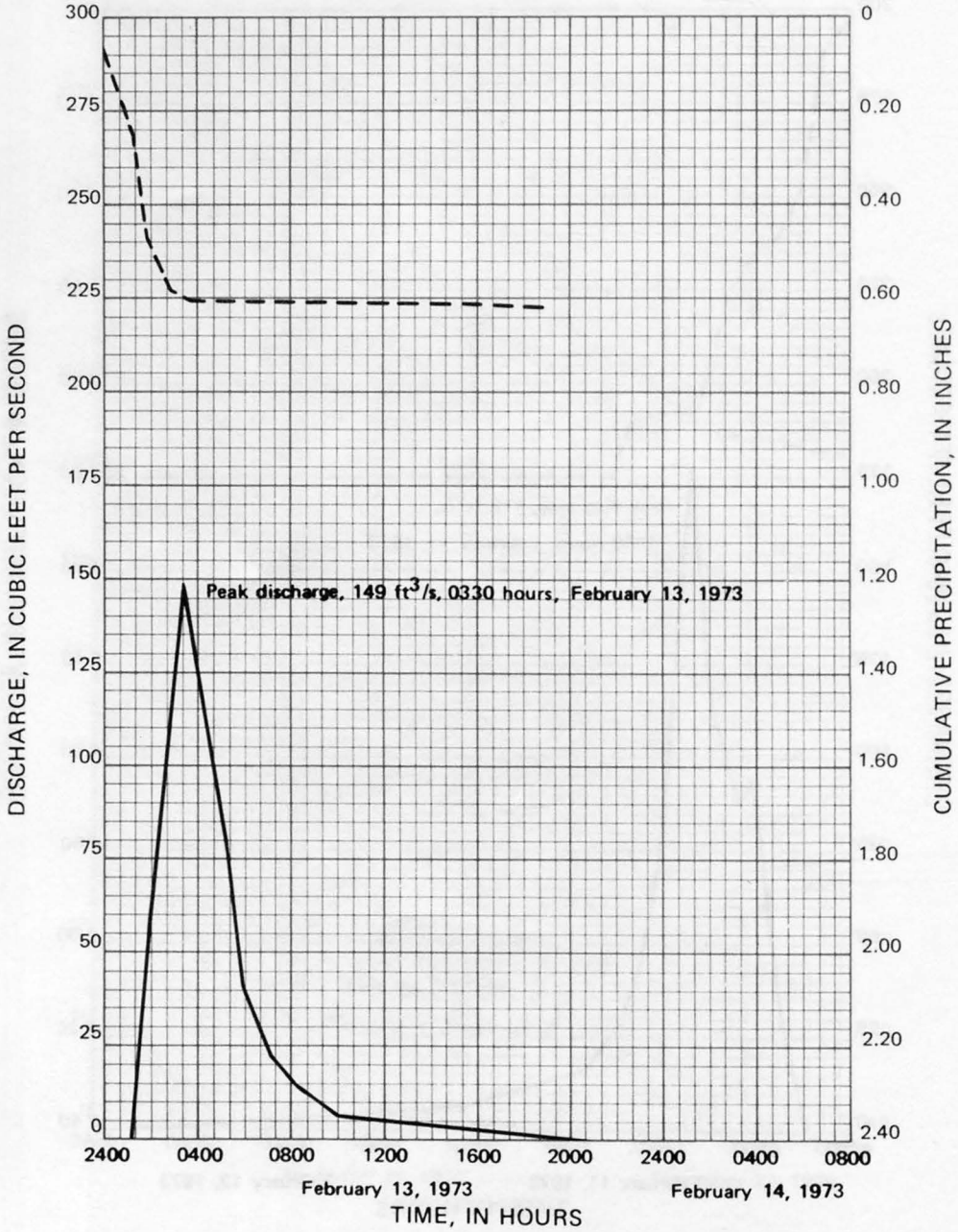

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

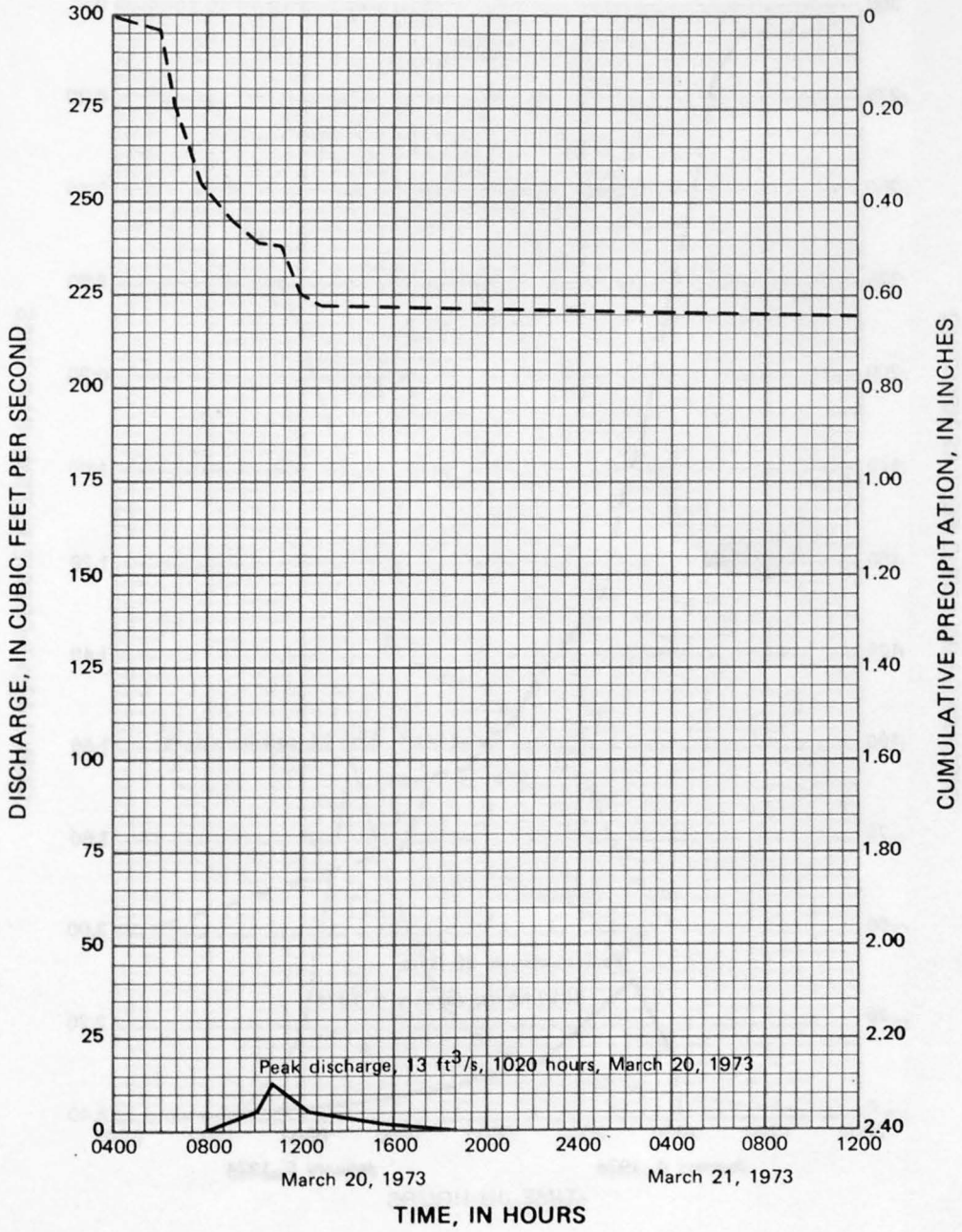

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

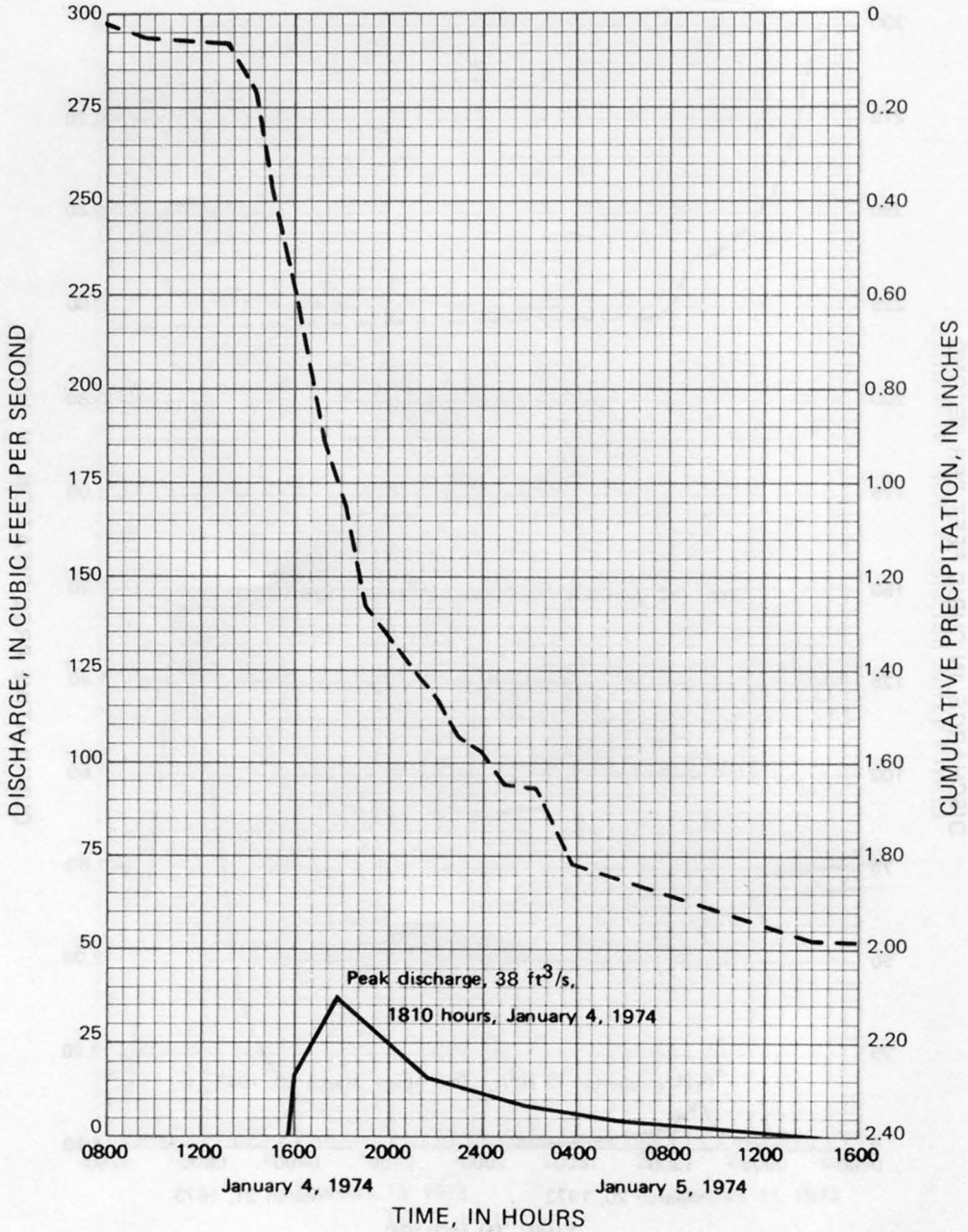

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

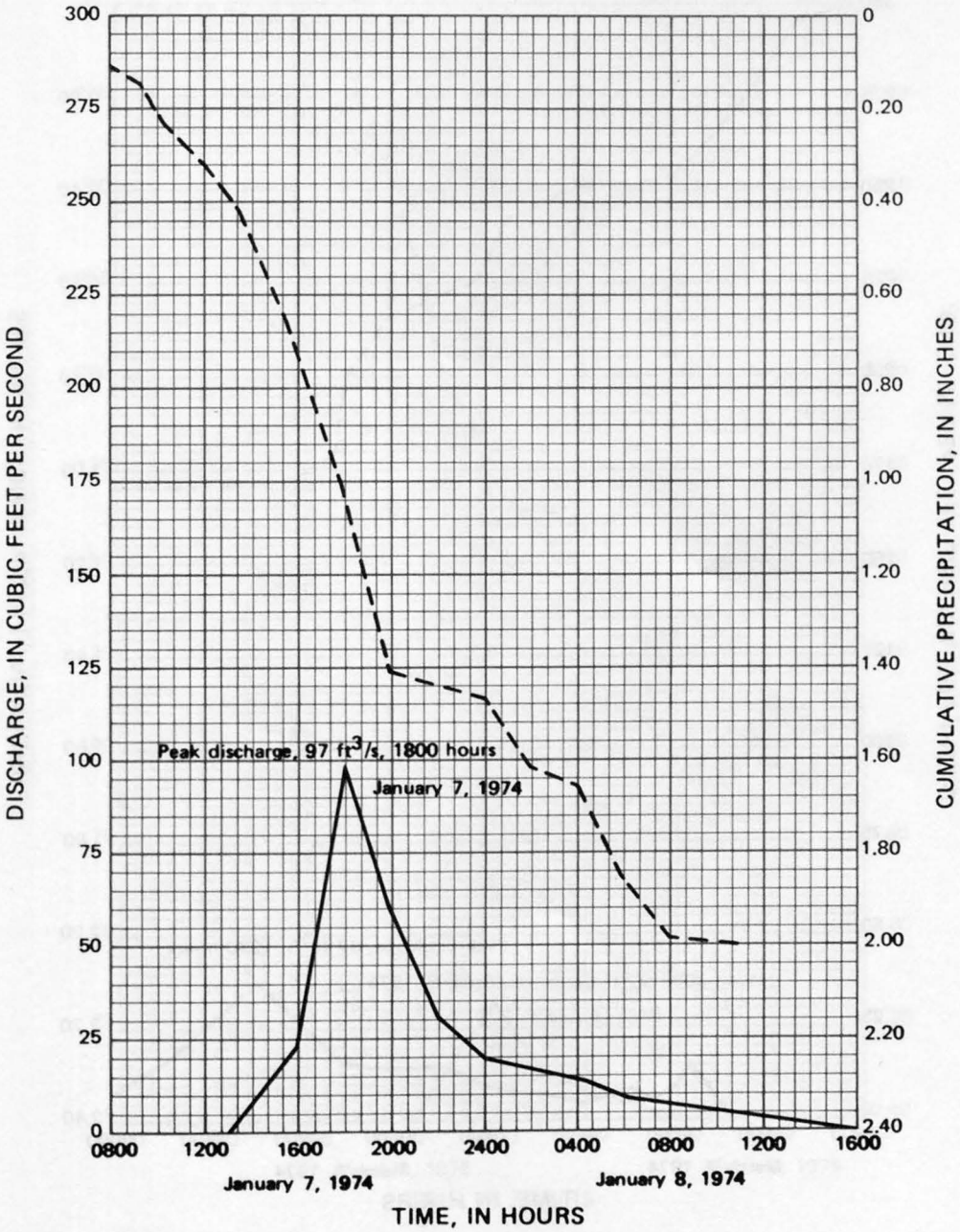

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

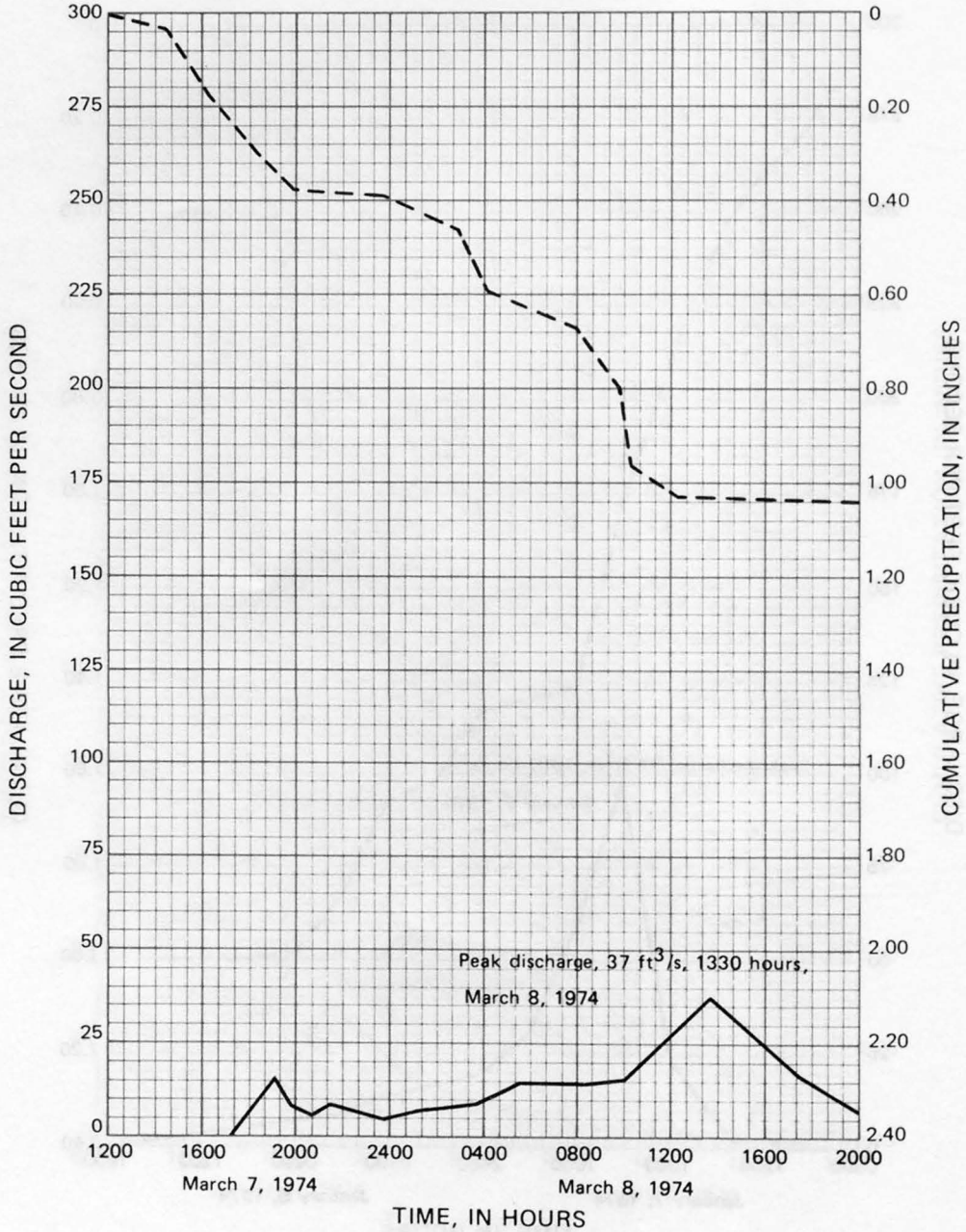

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

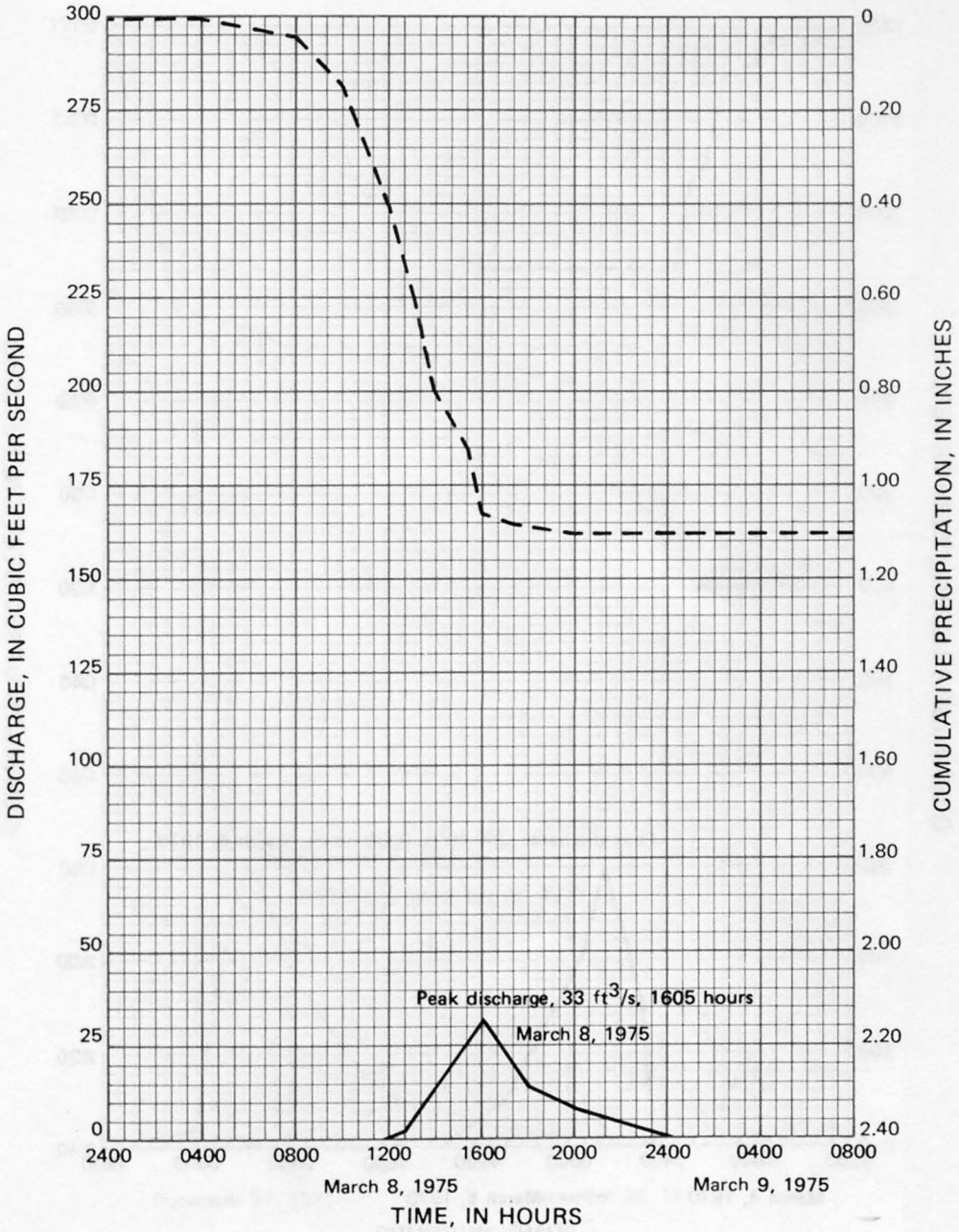

FIGURE 6.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 17--Continued.

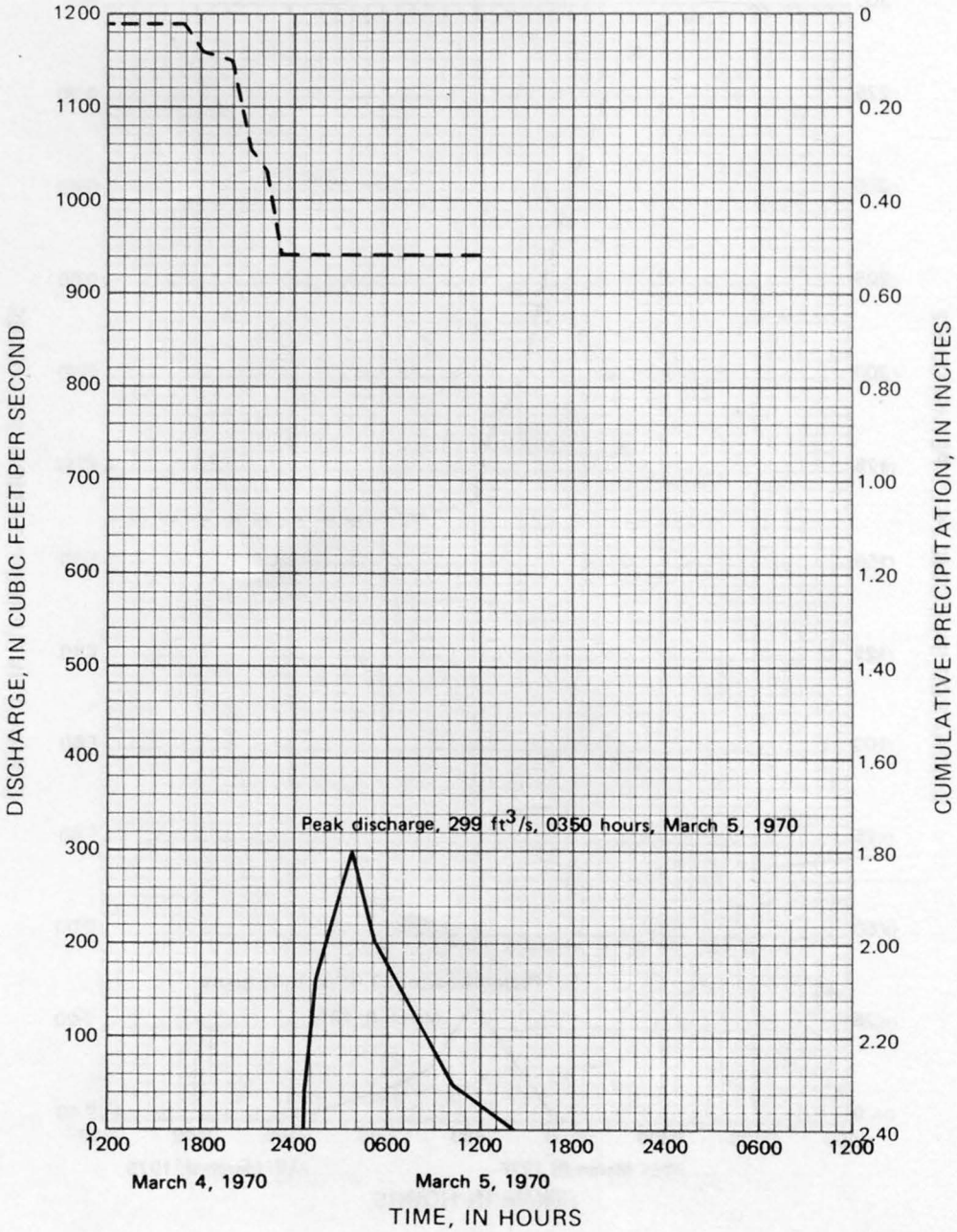

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21.

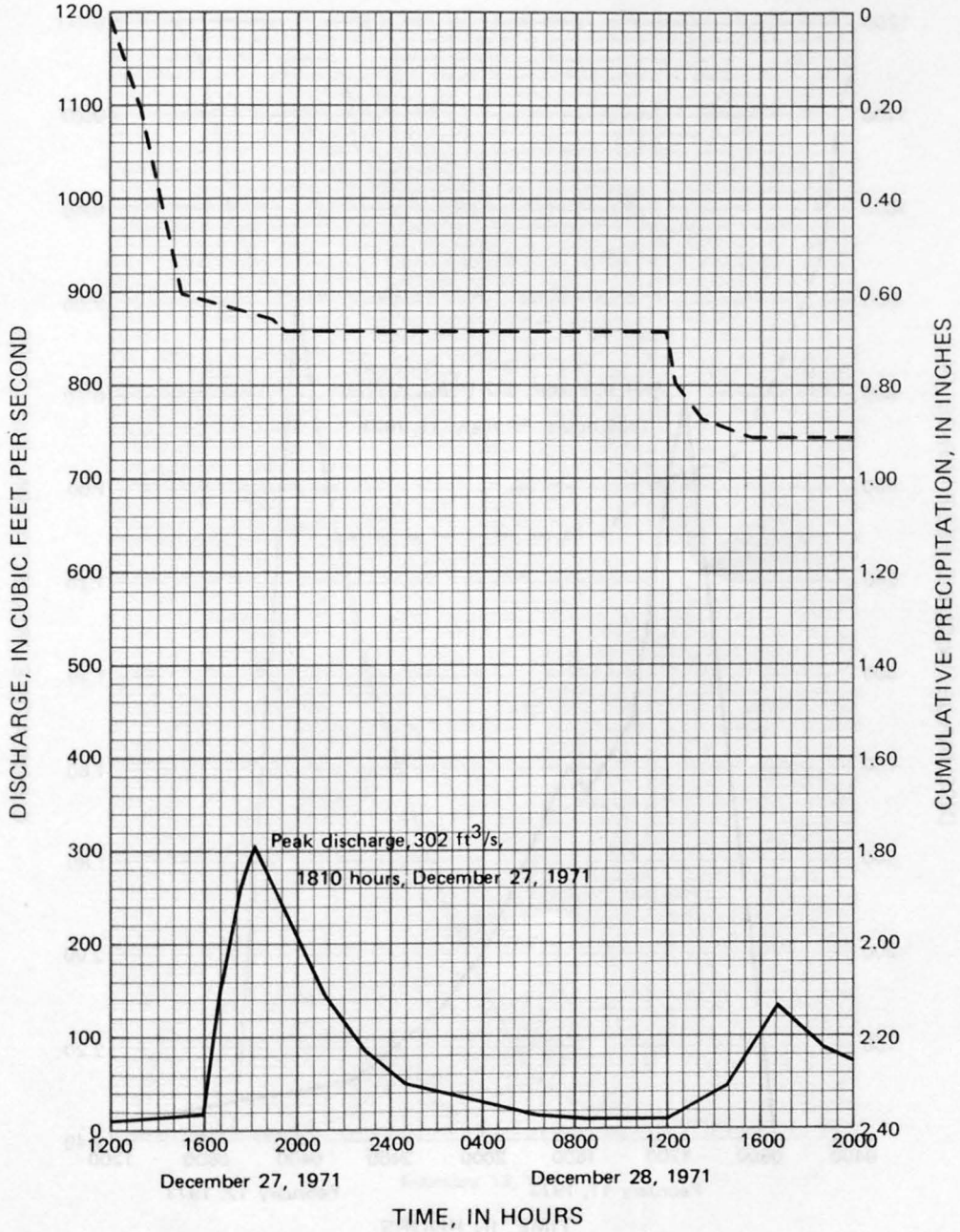

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

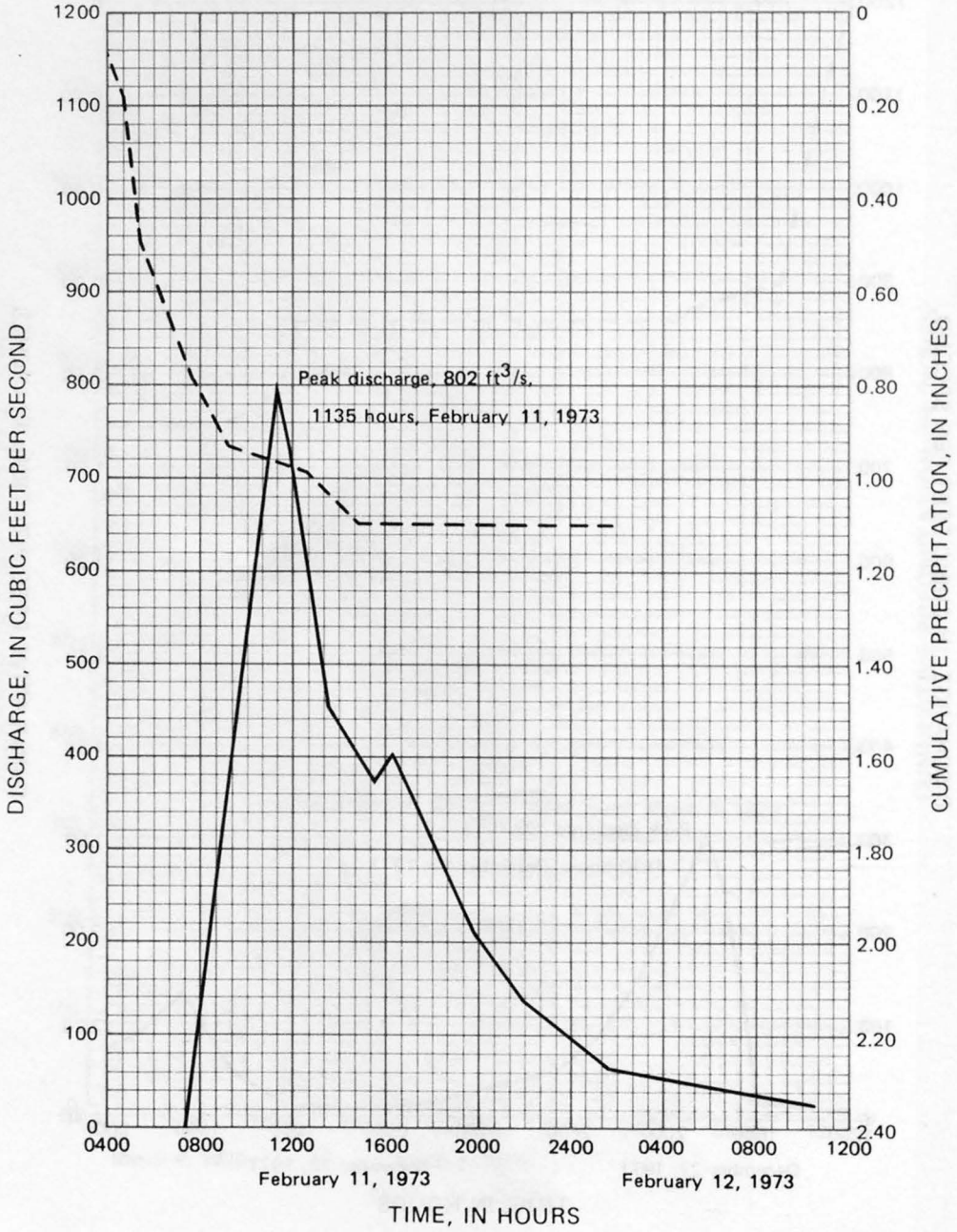

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

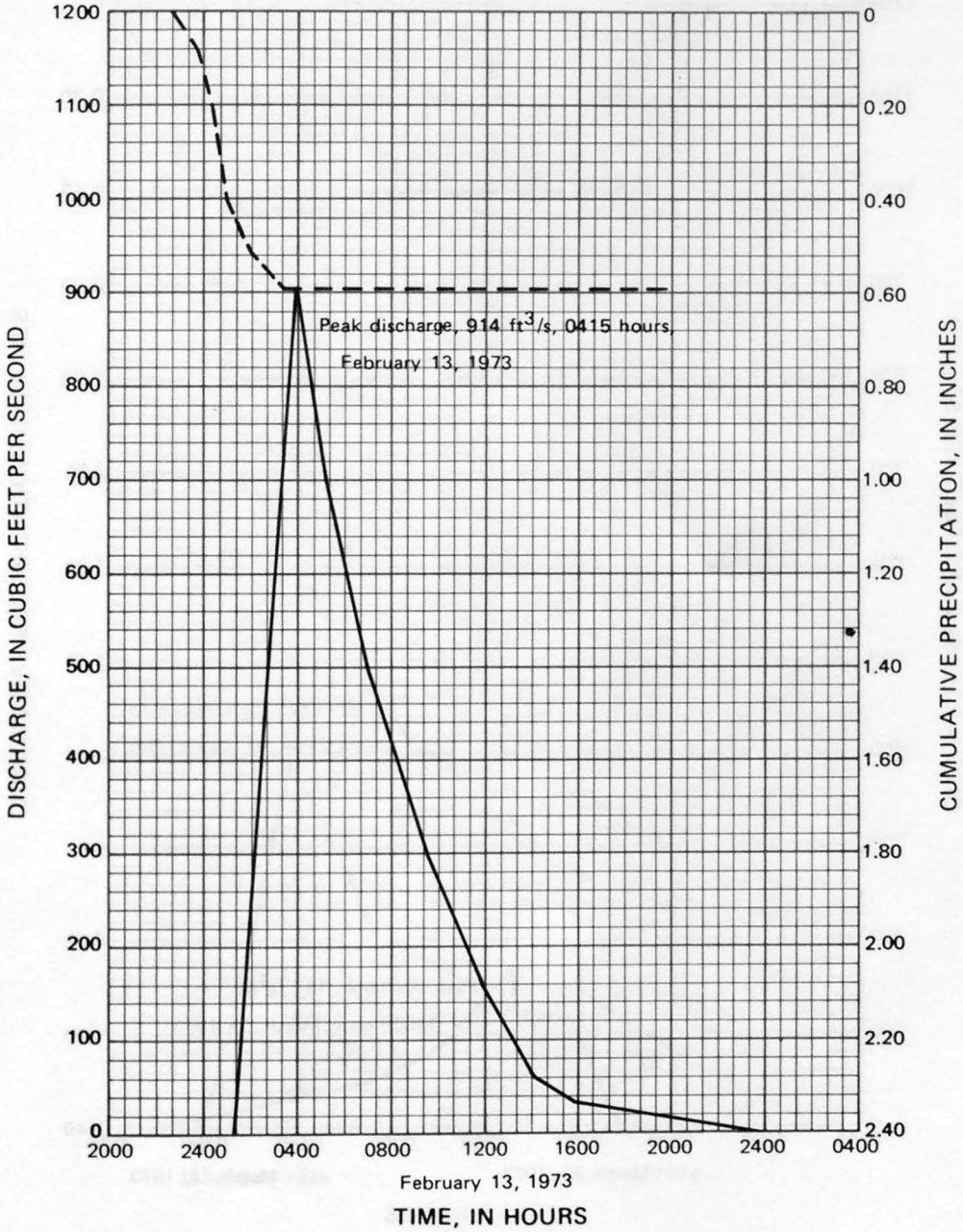

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

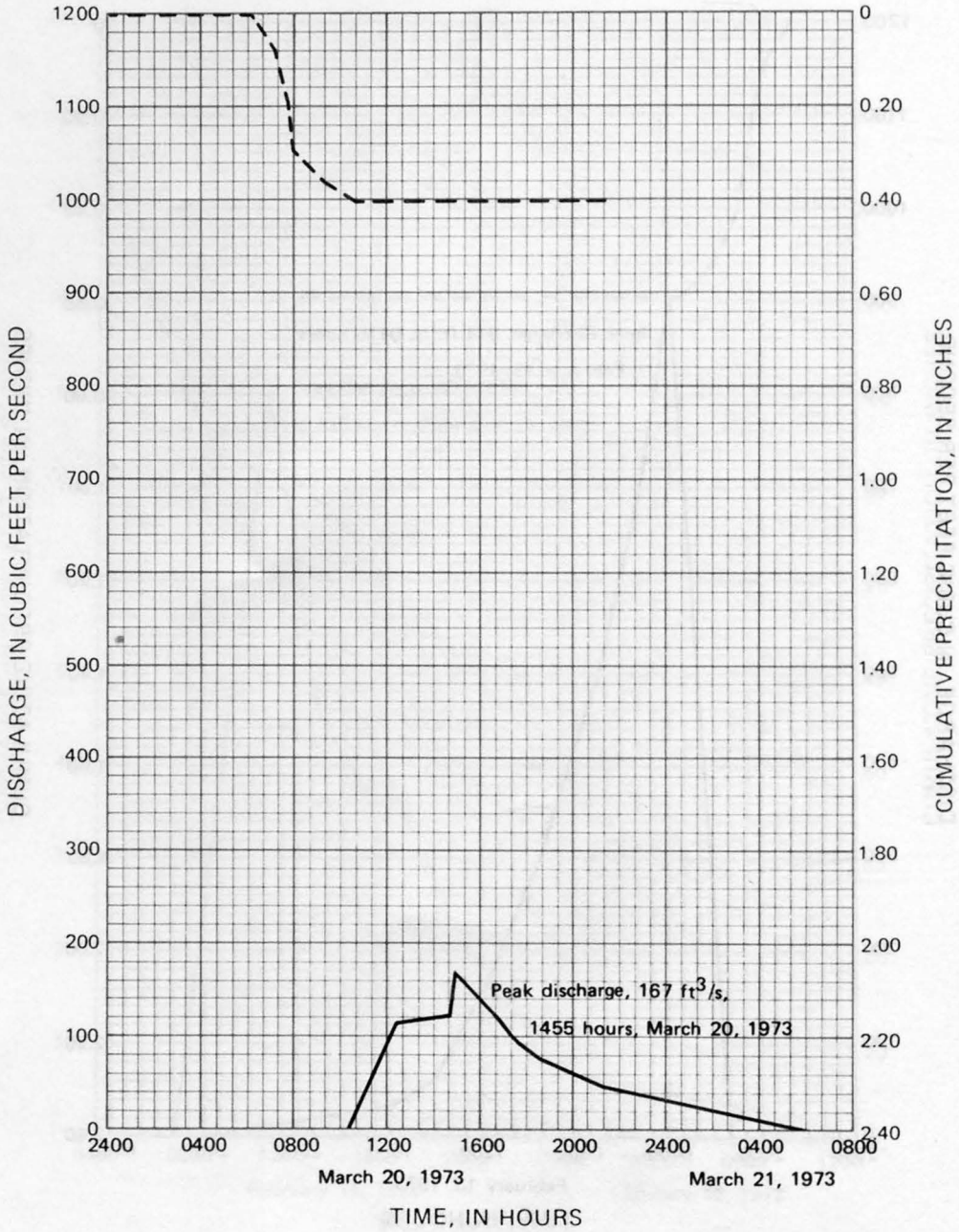

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

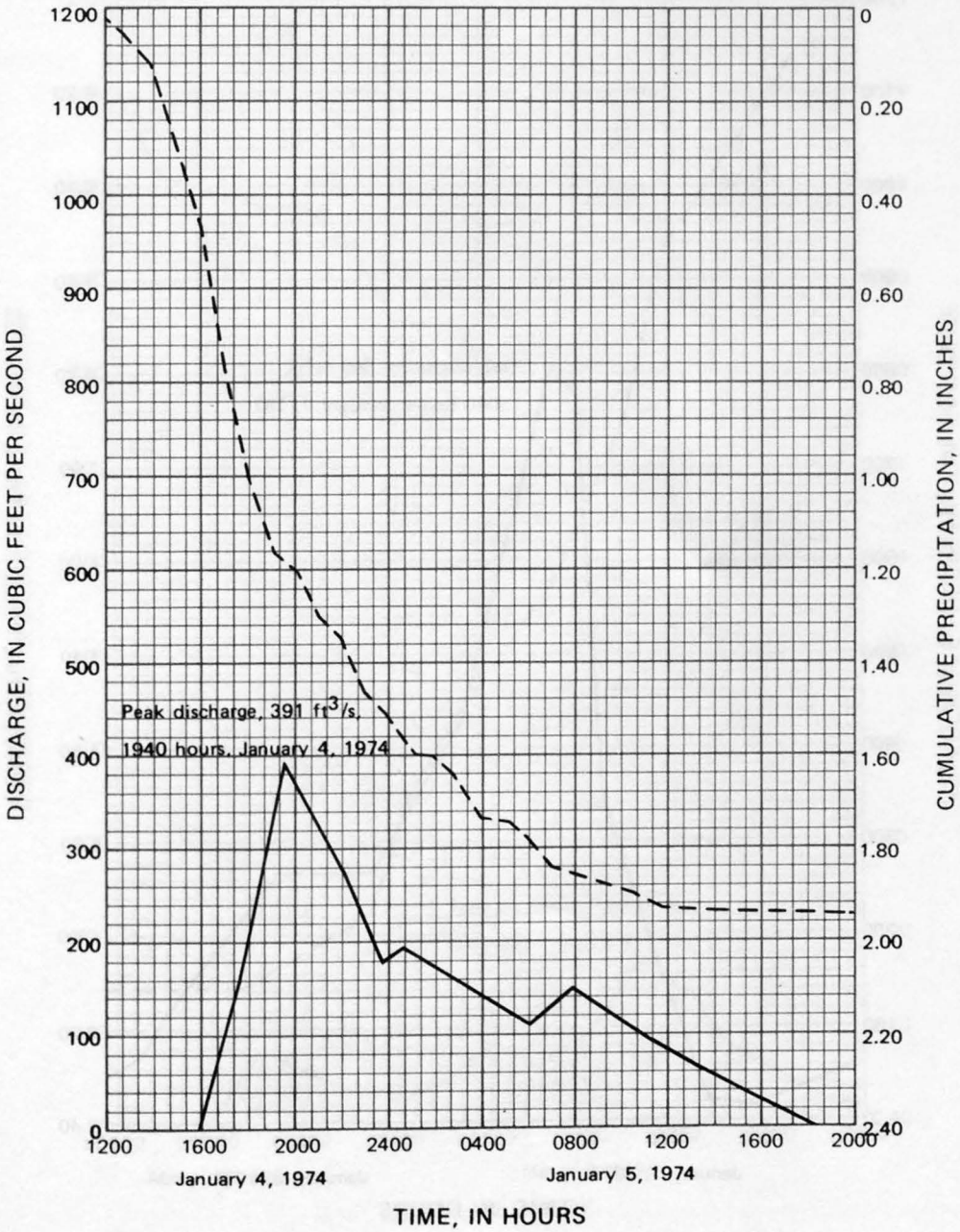

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

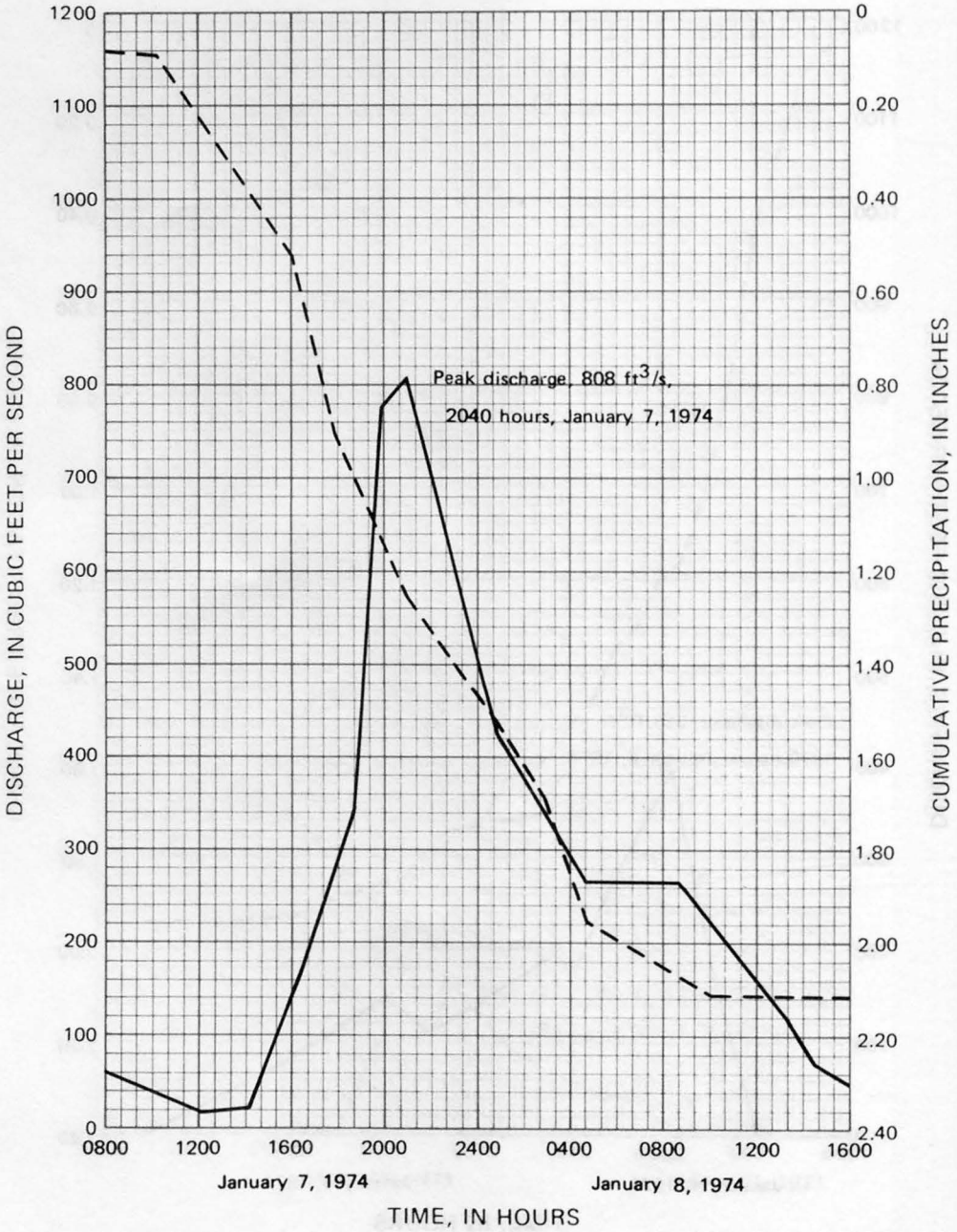

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

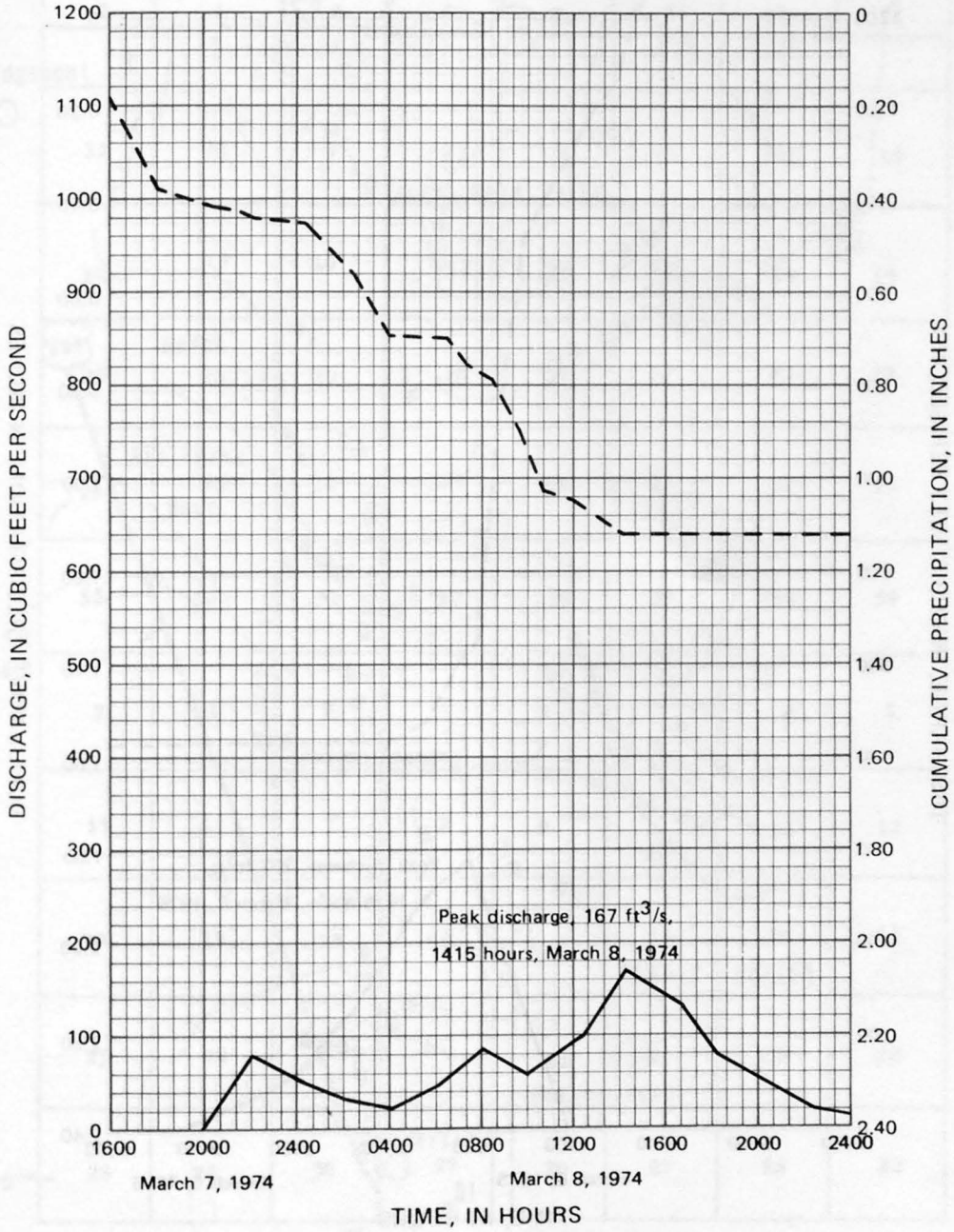

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

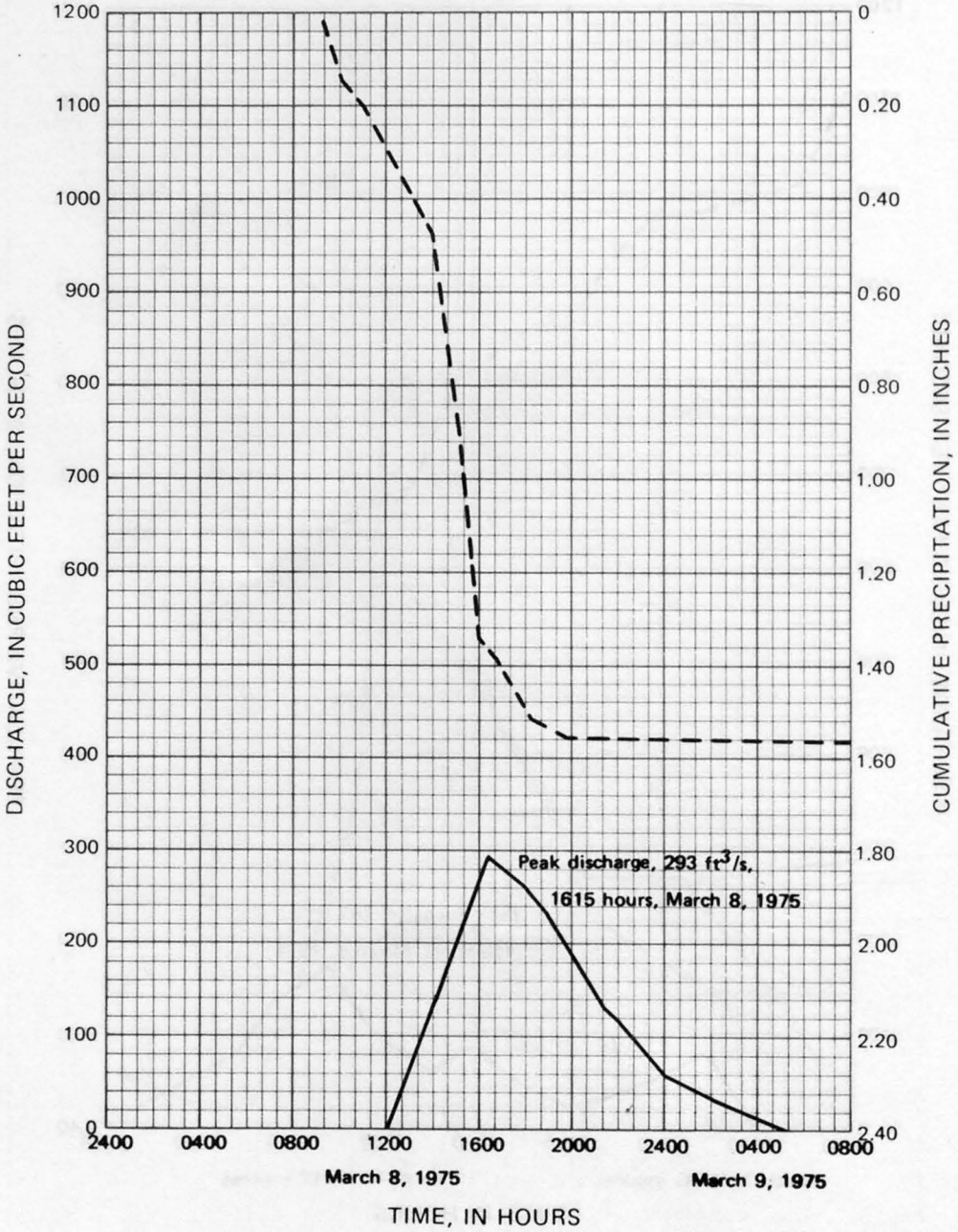

FIGURE 7.--Storm runoff (solid line) and cumulative precipitation (broken line) for station 21--Continued.

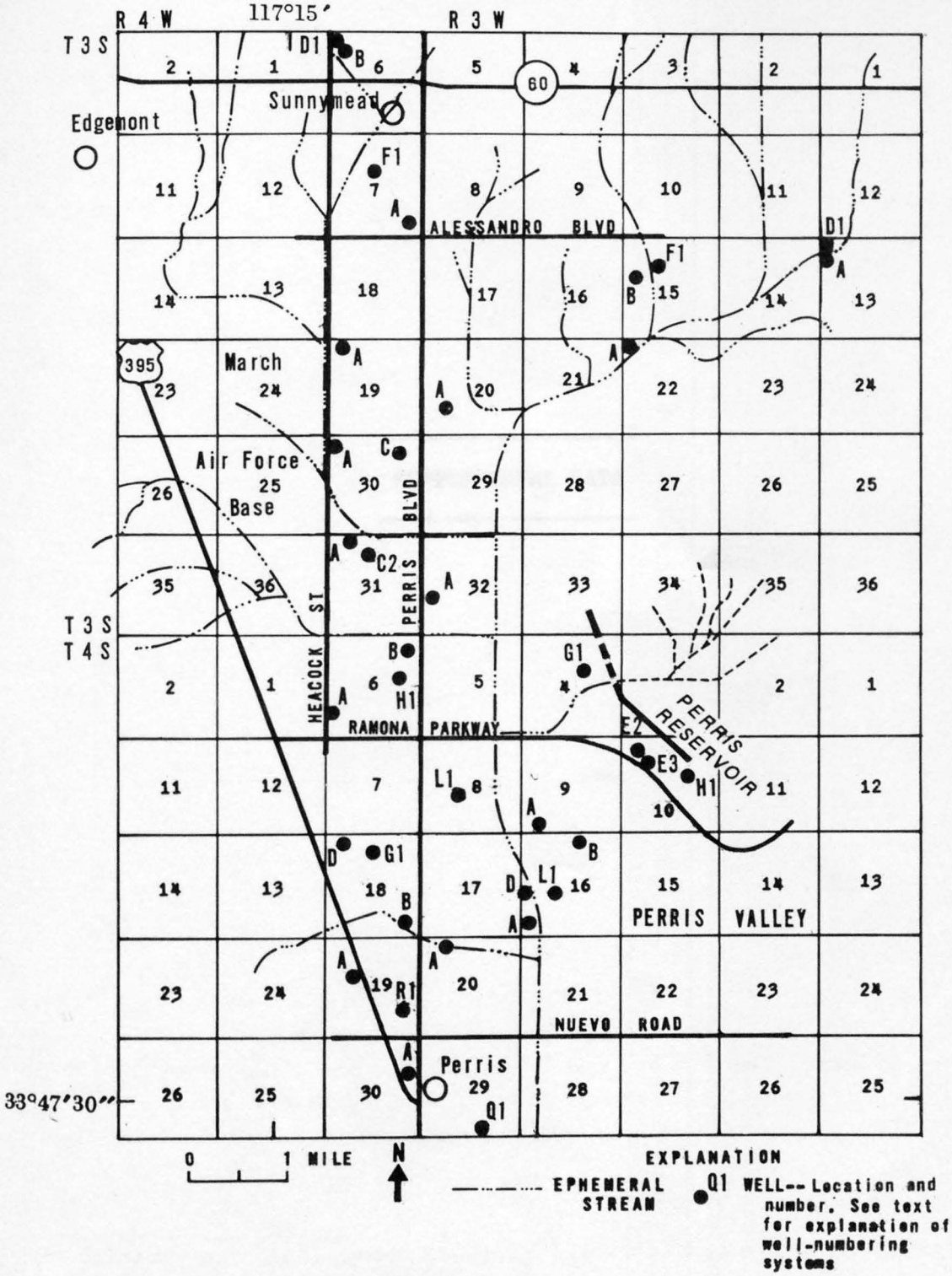

FIGURE 8.--Location of water wells.

SUPPLEMENTAL DATA

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	14	0					
2					0	---	0					
3					0	0	0					
4					0	1.1	0					
5					0	20	0					
6					0	0	0					
7					0	0	0					
8					0	0	0					
9					0	0	0					
10					8.0	0	0					
11					.87	0	0					
12					0	0	0					
13					0	0	0					
14					0	0	0					
15					0	0	0					
16					0	0	0					
17					0	0	0					
18					0	0	0					
19					0	0	0					
20					0	0	0					
21					0	0	0					
22					0	0	0					
23					0	0	0					
24					0	0	0					
25					0	0	0					
26					0	0	0					
27					0	0	.06					
28					5.2	0	0					
29						.06	0					
30						0	0					
31						0						
TOTAL					14.07	---	.06	0	0	0	0	0
MEAN					.50	---	.002	0	0	0	0	0
MAX					8.0	---	.06	0	0	0	0	0
MIN					0	---	0	0	0	0	0	0
AC-FT					28	---	.1	0	0	0	0	0

--- Indicates missing or incomplete record.
Data collection began February 1, 1970.

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	0	0	0			0				
2		0	0	---	0			0				
3		0	0	0	0			0				
4		0	0	0	0			0				
5		0	0	0	0			0				
6		0	0	0	0			.03				
7		0	0	0	0			0				
8		0	0	0	0			0				
9		0	0	0	0			0				
10		0	0	0	0			0				
11		0	0	0	0			0				
12		0	0	---	0			0				
13		0	0	---	0			0				
14		0	0	0	0			0				
15		0	0	0	0			0				
16		0	0	0	.08			0				
17		0	2.0	0	0			0				
18		0	0	0	0			0				
19		0	6.3	0	0			0				
20		0	.01	0	0			0				
21		0	4.1	0	0			0				
22		0	0	0	0			0				
23		0	0	0	0			0				
24		0	0	0	0			0				
25		.02	0	0	0			0				
26		.16	0	0	0			0				
27		0	0	0	0			0				
28		.02	0	0	0			0				
29		8.4	0	0				0				
30		.59	0	0				0				
31			0	0				0				
TOTAL	0	9.19	12.41	---	.08	0	0	.03	0	0	0	0
MEAN	0	.31	.40	---	.003	0	0	.001	0	0	0	0
MAX	0	8.4	6.3	---	.08	0	0	.03	0	0	0	0
MIN	0	0	0	---	0	0	0	0	0	0	0	0
AC-FT	0	18	25	---	.2	0	0	.06	0	0	0	0

--- Indicates missing or incomplete record.

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	0		0		0		0		0	0
2		0	0		0		0		0		0	0
3		0	.11		.04		0		0		0	0
4		0	.10		0		0		0		0	0
5		0	0		.11		0		0		0	0
6		0	.03		0		0		0		0	.05
7		0	.20		0		0		0		0	0
8		0	0		0		0		0		0	0
9		0	0		0		0		0		---	0
10		0	0		0		0		0		---	0
11		0	0		0		0		0		---	0
12		0	0		0		0		0		---	0
13		0	.08		0		0		0		---	0
14		0	0		0		0		0		---	0
15		0	0		0		0		0		---	0
16		0	0		0		0		0		---	0
17		0	0		0		0		.06		---	0
18		0	0		0		0		.07		---	0
19		0	0		0		.16		0		---	0
20		0	0		0		0		0		---	0
21		0	0		0		0		.24		---	0
22		0	3.7		0		0		.01		---	0
23		0	0		0		0		0		---	0
24		0	11		0		0		0		---	0
25		0	.87		0		0		0		---	0
26		0	.47		0		0		0		---	0
27		0	11		0		0		0		---	0
28		0	3.4		0		0		0		---	0
29		.20	.04		0		0		0		0	0
30		0	0				0		0		0	0
31			0								0	
TOTAL	0	.20	31.00	0	.15	0	.16	0	.38	0	---	.05
MEAN	0	.007	1.00	0	.005	0	.005	0	.013	0	---	.002
MAX	0	.20	11	0	.11	0	.16	0	.24	0	---	.05
MIN	0	0	0	0	0	0	0	0	0	0	---	0
AC-FT	0	.4	61	0	.3	0	.3	0	.8	0	---	.10

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	.19			.06	0	.01	---
2	0	0	0	0	0	0			.06	0	0	---
3	0	0	0	0	.13	0			.01	0	0	---
4	0	0	13	0	0	.24			0	.12	0	0
5	0	0	.08	0	0	0			0	.02	0	0
6	0	0	0	.08	6.7	27			0	.05	0	0
7	0	0	14	.01	.98	8.0			.08	.10	0	0
8	0	0	2.9	0	.06	13			.08	.07	0	0
9	0	0	.03	.07	0	.05			.12	0	0	0
10	0	0	0	0	0	0			.13	0	0	0
11	0	2.7	0	0	38	2.7			0	0	0	0
12	0	0	0	0	.44	2.8			0	.04	0	.04
13	.73	0	0	0	49	0			0	.06	0	0
14	0	7.7	0	0	.09	0			.01	.07	---	0
15	0	.32	0	0	11	0			.02	.01	---	0
16	0	26	0	6.4	.18	0			0	0	---	0
17	0	.70	0	.01	0	0			0	0	---	0
18	0	0	0	4.9	0	0			0	0	---	0
19	0	0	0	1.9	0	0			0	0	---	0
20	0	0	0	0	0	21			0	0	---	0
21	0	0	0	0	0	.06			.06	0	---	---
22	0	0	0	0	0	.01			.07	0	---	---
23	0	0	0	0	0	0			0	0	---	---
24	0	0	0	0	0	0			0	0	---	---
25	0	0	0	1.5	0	0			0	0	---	0
26	0	0	0	0	0	0			0	0	---	0
27	0	0	0	0	0	.03			0	0	---	0
28	0	0	0	0	3.9	0			0	0	---	0
29	0	0	0	0		0			0	0	---	0
30	0	0	0	12		0			0	0	---	0
31	0		0	0		0				.03	---	
TOTAL	.73	37.42	30.01	26.87	110.48	75.08	0	0	.70	.57	---	---
MEAN	.024	1.25	.97	.87	3.95	2.42	0	0	.023	.018	---	---
MAX	.73	26	14	12	49	27	0	0	.13	.12	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---
AC-FT	1.4	74	60	53	219	149	0	0	1.4	1.1	---	---

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.01	.61	---	0	.61	0	0	0	0	0
2	0	0	0	.02	---	.10	2.4	0	0	0	0	0
3	0	0	0	0	---	0	0	0	0	0	0	0
4	0	0	0	24	---	0	0	0	0	0	0	0
5	0	0	0	8.7	---	0	0	0	0	0	0	0
6	0	0	0	3.5	---	0	0	0	0	0	0	0
7	0	.04	0	47	---	11	0	0	0	0	0	0
8	0	0	0	13	---	24	0	0	0	0	0	0
9	0	.01	0	.32	---	.07	0	0	0	0	.13	0
10	0	0	0	.06	---	0	0	0	0	0	.05	0
11	0	0	0	0	---	0	0	0	0	0	0	0
12	0	0	0	0	---	0	0	0	0	0	0	0
13	0	0	0	0	---	0	0	0	0	0	0	0
14	0	0	0	0	---	0	0	0	0	0	0	0
15	0	0	0	0	---	0	0	0	0	0	0	0
16	0	0	0	0	---	0	0	0	0	0	0	0
17	0	.24	0	.14	---	0	0	0	0	0	0	0
18	0	1.5	0	.06	---	0	0	0	0	0	0	0
19	0	.01	0	0	---	0	0	0	0	0	0	0
20	.02	0	0	.52	---	0	0	0	0	.14	0	0
21	0	.02	0	.04	---	0	0	0	0	.11	0	0
22	.04	.71	0	0	0	0	0	0	0	0	0	0
23	.02	.52	0	0	0	0	0	.03	0	0	0	.67
24	0	.01	0	0	0	0	0	.08	.02	0	0	0
25	0	0	0	0	0	0	0	.17	.05	0	0	.08
26	0	0	0	0	0	0	0	.12	.09	0	0	0
27	0	0	0	0	0	.05	.13	0	0	0	0	0
28	0	0	0	0	0	0	.11	0	0	0	0	0
29	0	.03	0	0		0	0	0	0	0	0	0
30	0	0	0	---		0	0	0	0	0	0	0
31	0		0	---		0		0		0	0	
TOTAL	.08	3.09	.01	---	---	35.22	3.25	.40	.16	.25	.18	.75
MEAN	.003	.10	.0003	---	---	1.14	.11	.013	.005	.008	.006	.025
MAX	.04	1.5	.01	---	---	24	2.4	.17	.09	.14	.13	.67
MIN	0	0	0	---	---	0	0	0	0	0	0	0
AC-FT	.2	6.1	.02	---	---	70	6.4	.8	.3	.5	.4	1.5

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.14	0	---	0	0	0	0	.01			
2	0	0	0	---	0	0	0	0	.02			
3	0	0	0	---	3.5	0	0	0	.02			
4	0	0	11	---	.12	0	0	0	.10			
5	0	0	.55	---	.11	.18	.67	0	0			
6	0	0	0	---	0	1.1	2.0	0	0			
7	0	0	0	0	0	.08	.26	0	0			
8	0	0	0	0	0	16	2.2	0	0			
9	0	0	0	0	1.1	.14	2.5	0	0			
10	0	0	0	.17	.24	6.0	2.2	0	0			
11	0	0	0	0	0	.92	.05	0	0			
12	0	0	.38	0	0	.09	0	0	0			
13	0	0	.29	0	0	0	0	0	0			
14	0	0	0	0	.06	1.2	0	0	0			
15	0	0	0	0	0	0	0	0	0			
16	0	0	0	0	0	.22	0	0	0			
17	0	0	0	0	0	0	.04	0	0			
18	0	0	0	---	0	.12	0	0	0			
19	0	0	0	---	0	0	0	0	0			
20	0	0	0	---	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	0			
22	0	.02	0	0	0	.44	0	0	0			
23	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	.16	0	0	0			
26	0	0	0	0	0	0	0	0	0			
27	0	0	0	.38	0	0	0	0	0			
28	.39	0	3.4	.05	0	0	0	0	0			
29	.45	0	2.3	0		0	0	0	0			
30	0	0	0	.52		0	0	.01	0			
31	0		---	.04		.03		.10				
TOTAL	.84	.16	---	---	5.13	26.68	9.92	.11	.15	0	0	0
MEAN	.027	.005	---	---	.18	.86	.33	.004	.005	0	0	0
MAX	.45	.14	---	---	3.5	16	2.5	.10	.10	0	0	0
MIN	0	0	---	---	0	0	0	0	0	0	0	0
AC-FT	1.7	.3	---	---	10	53	20	.2	.3	0	0	0

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	6.1						
2					0	4.1						
3					0	0						
4					0	.07						
5					0	3.0						
6					0	0						
7					0	0						
8					0	0						
9					0	0						
10					3.6	0						
11					7.9	0						
12					0	0						
13					0	0						
14					0	0						
15					0	0						
16					0	0						
17					0	0						
18					0	0						
19					0	0						
20					0	0						
21					0	0						
22					0	0						
23					0	0						
24					0	0						
25					0	0						
26					0	0						
27					0	0						
28					1.2	0						
29						0						
30						0						
31						0						
TOTAL	0	0	0	0	12.7	13.27	0	0	0	0	0	0
MEAN	0	0	0	0	.45	.43	0	0	0	0	0	0
MAX	0	0	0	0	7.9	6.1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	25	26	0	0	0	0	0	0

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	0									
2		0	0									
3		0	0									
4		0	0									
5		0	0									
6		0	0									
7		0	0									
8		0	0									
9		0	0									
10		0	0									
11		0	0									
12		0	0									
13		0	0									
14		0	0									
15		0	0									
16		0	0									
17		0	0									
18		0	0									
19		0	4.5									
20		0	0									
21		0	5.9									
22		0	1.4									
23		0	0									
24		0	0									
25		0	0									
26		0	0									
27		0	0									
28		0	0									
29		1.8	0									
30		.57	0									
31			0									
TOTAL	0	2.37	11.8	0	0	0	0	0	0	0	0	0
MEAN	0	.079	.38	0	0	0	0	0	0	0	0	0
MAX	0	1.8	5.9	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	4.7	23	0	0	0	0	0	0	0	0	0

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0									
2			0									
3			0									
4			0									
5			0									
6			0									
7			0									
8			0									
9			0									
10			0									
11			0									
12			0									
13			0									
14			0									
15			0									
16			0									
17			0									
18			0									
19			0									
20			0									
21			0									
22			0									
23			0									
24			.32									
25			.17									
26			.01									
27			4.5									
28			.73									
29			.03									
30			0									
31			0									
TOTAL	0	0	5.76	0	0	0	0	0	0	0	0	0
MEAN	0	0	.19	0	0	0	0	0	0	0	0	0
MAX	0	0	4.5	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	11	0	0	0	0	0	0	0	0	0

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0		0	0	0						
2		0		0	0	0						
3		0		0	0	0						
4		0		0	0	0						
5		0		0	0	0						
6		0		0	2.8	0						
7		0		0	1.7	0						
8		0		0	.43	.68						
9		0		0	0	.07						
10		0		0	0	0						
11		0		0	33	.05						
12		0		0	.41	2.4						
13		0		0	23	.04						
14		.58		0	0	0						
15		.02		0	0	0						
16		6.2		1.4	0	0						
17		.13		1.3	0	0						
18		0		7.7	0	0						
19		0		4.7	0	0						
20		0		0	0	2.9						
21		0		0	0	.18						
22		0		0	0	0						
23		0		0	0	0						
24		0		0	0	0						
25		0		0	0	0						
26		0		0	0	0						
27		0		0	0	0						
28		0		0	.03	0						
29		0		0		0						
30		0		0		0						
31				0		0						
TOTAL	0	6.93	0	15.1	61.37	6.32	0	0	0	0	0	0
MEAN	0	.23	0	.49	2.19	.20	0	0	0	0	0	0
MAX	0	6.2	0	7.7	33	2.9	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	14	0	30	122	13	0	0	0	0	0	0

Station 17. Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0		0	0	0						
2		0		0	0	.01						
3		0		0	0	.03						
4		0		8.7	0	0						
5		0		4.5	0	0						
6		0		0	0	0						
7		0		19	0	1.6						
8		0		6.0	0	11						
9		0		.08	0	.17						
10		0		0	0	0						
11		0		0	0	0						
12		0		0	0	0						
13		0		0	0	0						
14		0		0	0	0						
15		0		0	0	0						
16		0		0	0	0						
17		0		0	0	0						
18		.03		0	0	0						
19		0		0	0	0						
20		0		0	0	0						
21		0		0	0	0						
22		.02		0	---	0						
23		0		0	---	0						
24		0		0	---	0						
25		0		0	---	0						
26		0		0	---	0						
27		0		0	---	0						
28		0		0	---	0						
29		0		0		0						
30		0		0		0						
31				0		0						
TOTAL	0	.05	0	38.28	---	12.81	0	0	0	0	0	0
MEAN	0	.002	0	1.23	---	.41	0	0	0	0	0	0
MAX	0	.03	0	19	---	11	0	0	0	0	0	0
MIN	0	0	0	0	---	0	0	0	0	0	0	0
AC-FT	0	.10	0	76	---	25	0	0	0	0	0	0

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0		0	0	0			0		
2			0		0	0	0			0		
3			0		0	0	0			0		
4			.01		0	0	0			0		
5			0		0	0	0			0		
6			0		0	.01	0			0		
7			0		0	0	.05			0		
8			0		0	6.1	.42			0		
9			0		.01	.20	2.3					
10			0		0	2.2	.42					
11			0		0	.60	.16					
12			0		0	0	0					
13			0		0	0	0					
14			0		0	0	0					
15			0		0	0	0					
16			0		0	0	0					
17			0		0	0	0					
18			0		0	0	0					
19			0		0	0	0					
20			0		0	0	0					
21			0		0	0	0					
22			0		0	0	0					
23			0		0	0	0					
24			0		0	0	0					
25			0		0	0	0					
26			0		0	0	0					
27			0		0	0	0					
28			0		0	0	0					
29			0			0	0					
30			0			0	0					
31			0			0						
TOTAL	0	0	.01	0	.01	9.11	3.35	0	0			
MEAN	0	0	.0003	0	.0004	.29	.11	0	0			
MAX	0	0	.01	0	.01	6.1	2.3	0	0			
MIN	0	0	0	0	0	0	0	0	0			
AC-FT	0	0	.02	0	.02	18	6.6	0	0			

--- Indicates missing or incomplete record.
Data collection discontinued July 8, 1975.

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0		0	0	57						
2		0		0	0	58						
3		0		0	0	0						
4		0		0	0	0						
5		0		0	0	69						
6		0		0	0	0						
7		12		0	0	0						
8		0		0	0	0						
9		0		0	0	0						
10		0		0	17	0						
11		0		0	29	0						
12		0		0	0	0						
13		0		0	0	0						
14		0		0	0	0						
15		0		0	0	0						
16		0		5.7	0	0						
17		0		0	0	0						
18		0		0	0	0						
19		0		0	0	0						
20		0		0	0	0						
21		0		0	0	0						
22		0		0	0	0						
23		0		0	0	0						
24		0		0	0	0						
25		0		0	0	0						
26		0		0	0	0						
27		0		0	0	0						
28		0		0	17	0						
29		0		0		0						
30		0		0		0						
31				0		0						
TOTAL	0	12	0	5.7	63	184	0	0	0	0	0	0
MEAN	0	.40	0	.18	2.25	5.94	0	0	0	0	0	0
MAX	0	12	0	5.7	29	69	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	24	0	11	125	365	0	0	0	0	0	0

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	1.0	0		0						
2		0	0	11		0						
3		0	0	.42		0						
4		0	0	0		0						
5		0	0	0		0						
6		0	0	0		0						
7		0	0	0		0						
8		0	0	0		0						
9		0	0	0		0						
10		0	0	0		0						
11		0	0	0		0						
12		0	0	0		0						
13		0	0	0		.10						
14		0	0	0		0						
15		0	0	0		0						
16		0	0	0		0						
17		0	0	0		0						
18		0	0	0		0						
19		0	7.0	0		0						
20		0	3.0	0		0						
21		0	50	0		0						
22		0	5.0	0		0						
23		0	0	0		0						
24		0	0	0		0						
25		0	0	0		0						
26		0	0	0		0						
27		0	0	0		0						
28		0	0	0		0						
29		31	0	0		0						
30		19	0	0		0						
31			0	0		0						
TOTAL	0	50	66.0	11.42	0	.10	0	0	0	0	0	0
MEAN	0	1.67	2.13	.37	0	.003	0	0	0	0	0	0
MAX	0	31	50	11	0	.10	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	99	131	23	0	.2	0	0	0	0	0	0

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	1.0								
2			0	.40								
3			0	.10								
4			0	0								
5			0	0								
6			0	0								
7			0	0								
8			0	0								
9			0	0								
10			0	0								
11			0	0								
12			0	0								
13			0	0								
14			0	0								
15			0	0								
16			0	0								
17			0	0								
18			0	0								
19			0	0								
20			0	0								
21			0	0								
22			.11	0								
23			2.7	0								
24			39	0								
25			22	0								
26			12	0								
27			64	0								
28			45	0								
29			11	0								
30			5.1	0								
31			1.8	0								
TOTAL	0	0	202.71	1.50	0	0	0	0	0	0	0	0
MEAN	0	0	6.54	.048	0	0	0	0	0	0	0	0
MAX	0	0	64	1.0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	402	3.0	0	0	0	0	0	0	0	0

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	.22						
2	0	0	0	0	0	0						
3	0	0	0	0	0	0						
4	0	0	31	0	0	0						
5	0	0	3.8	0	0	0						
6	0	0	0	0	22	.13						
7	0	0	3.4	0	2.0	16						
8	0	0	.67	0	3.5	24						
9	0	0	.05	0	0	5.9						
10	0	0	0	0	0	.03						
11	0	1.7	0	0	226	8.2						
12	0	0	0	0	28	35						
13	0	0	0	0	212	.45						
14	0	17	0	0	1.7	0						
15	0	4.6	0	0	25	0						
16	0	78	0	4.3	.84	0						
17	0	12	0	23	0	0						
18	0	0	0	18	0	0						
19	3.1	0	0	49	0	0						
20	.05	0	0	0	0	52						
21	0	0	0	0	0	4.6						
22	0	0	0	0	0	2.3						
23	0	0	0	0	0	0						
24	0	0	0	0	0	0						
25	0	0	0	0	0	0						
26	.56	0	0	.49	0	0						
27	7.9	0	0	0	0	0						
28	0	0	0	0	5.3	0						
29	0	0	0	0		0						
30	0	0	0	0		0						
31	0		0	0		0						
TOTAL	11.61	113.3	38.92	94.79	526.34	148.83	0	0	0	0	0	0
MEAN	.37	3.78	1.26	3.06	18.8	4.80	0	0	0	0	0	0
MAX	7.9	78	31	49	226	52	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	23	225	77	188	1040	295	0	0	0	0	0	0

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0		0	0	0	0					
2		0		0	0	12	.97					
3		0		0	0	2.7	0					
4		0		80	0	.18	0					
5		0		86	0	0	0					
6		0		7.3	0	0	0					
7		0		189	0	14	0					
8		0		155	0	67	0					
9		0		12	0	2.7	0					
10		0		0	0	0	0					
11		0		0	0	0	0					
12		0		0	0	0	0					
13		0		0	0	0	0					
14		0		0	.20	0	0					
15		0		0	0	0	0					
16		0		0	.07	0	0					
17		0		0	0	0	0					
18		8.4		0	0	0	0					
19		.34		0	0	0	0					
20		0		.79	0	0	0					
21		0		0	0	0	0					
22		0		0	0	0	0					
23		6.5		0	0	0	0					
24		0		0	0	0	0					
25		6.2		0	0	0	0					
26		0		0	0	0	0					
27		0		0	0	0	0					
28		0		0	0	0	0					
29		0		0		0	0					
30		0		0		0	0					
31				0		0						
TOTAL	0	21.44	0	530.09	.27	98.58	.97	0	0	0	0	0
MEAN	0	.71	0	17.1	.010	3.18	.032	0	0	0	0	0
MAX	0	8.4	0	189	.20	67	.97	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	43	0	1050	.5	196	1.9	0	0	0	0	0

SUPPLEMENTAL DATA A: MEAN DAILY DISCHARGE VALUES, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0		0		0	0	0		0			
2	0		0		0	0	0		0			
3	0		0		28	0	0		0			
4	0		44		2.4	0	0		0			
5	0		.93		.06	0	0		0			
6	0		0		0	10	.26		0			
7	0		0		0	.18	3.6		0			
8	0		0		0	81	2.5		0			
9	0		0		1.5	9.2	28		.10			
10	0		0		.38	24	3.2		0			
11	0		0		.22	9.5	2.1		0			
12	0		0		0	1.0	0		0			
13	0		0		0	0	0		0			
14	0		0		0	1.3	0		0			
15	0		0		0	0	0		0			
16	0		0		0	0	0		0			
17	0		0		0	.20	0		.01			
18	0		0		0	0	0		.04			
19	0		0		0	0	0		.09			
20	0		0		0	0	0		.09			
21	0		0		0	0	0		.09			
22	0		0		0	0	0		.04			
23	0		0		0	0	0		0			
24	0		0		0	0	0		0			
25	0		0		0	0	0		0			
26	0		0		0	0	0		0			
27	0		0		0	0	0		0			
28	0		0		0	0	0		0			
29	.12		2.2			0	0		0			
30	.12		0			0	0		0			
31	0		0			0						
TOTAL	.24	0	47.13	0	32.56	136.38	39.66	0	.46	0	0	0
MEAN	.008	0	1.52	0	1.16	4.40	1.32	0	.015	0	0	0
MAX	.12	0	44	0	28	81	28	0	.10	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	.5	0	93	0	65	271	79	0	.9	0	0	0

SUPPLEMENTAL DATA B: PEAK ANNUAL DISCHARGE AT RECORDING STATIONS, WATER YEARS 1970-75

Water year	Perris Valley station number	Date	Discharge (ft^3/s)
1970	9	Mar. 4, 1970	155
1971	9	Nov. 29, 1970	94
1972	9	Dec. 27, 1971	74
1973	9	Feb. 13, 1973	304
1974	9	Jan. 7, 1974	201
1975	9	Mar. 8, 1975	98
1970	15	Mar. 5, 1970	208
1971	15	Dec. 21, 1970	330
1972	15	Dec. 27, 1971	233
1973	15	Feb. 13, 1973	715
1974	15	Jan. 7, 1974	698
1975	15	Mar. 8, 1975	197
1970	17	Feb. 11, 1970	38
1971	17	Dec. 21, 1970	37
1972	17	Dec. 27, 1971	35
1973	17	Feb. 11, 1973	178
1974	17	Jan. 7, 1974	97
1975	17	Mar. 8, 1975	33
1970	21	Mar. 5, 1970	299
1971	21	Dec. 21, 1970	790
1972	21	Dec. 27, 1971	302
1973	21	Feb. 13, 1973	914
1974	21	Jan. 7, 1974	808
1975	21	Mar. 8, 1975	293

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75

Station 2, Pigeon Pass Creek at Heacock Street, near Sunnymead, Calif. (11070232)

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	0	0	.94	0	0	0	0	0	0
2			0	0	0	.64	0	0	0	0	0	0
3			0	0	0	0	0	0	0	0	0	0
4			0	0	0	.75	0	0	0	0	0	0
5			0	0	0	.02	0	0	0	0	0	0
6			0	0	0	.02	0	0	0	0	0	0
7			0	0	0	0	0	0	0	0	0	0
8			0	0	0	0	0	0	0	0	0	0
9			---	---	0	0	0	0	0	0	0	0
10			0	.18	.59	.03	0	0	0	0	0	0
11			0	.30	---	0	0	0	0	0	0	0
12		0	0	.06	0	0	0	0	0	0	0	0
13		0	0	0	0	---	0	0	0	0	0	0
14		0	0	.03	0	0	0	0	0	0	0	0
15		.01	0	.01	0	0	0	0	0	0	0	0
16		---	0	.61	0	0	0	0	0	0	0	0
17		0	0	---	0	0	0	0	0	0	0	0
18		0	0	.01	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0
21		0	0	---	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0
23		0	0	---	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	---	0	0	0	0	0
26		0	0	0	0	---	0	0	0	0	.49	0
27		0	0	0	0	0	.14	0	0	0	0	0
28		0	0	---	.89	0	0	0	0	0	0	0
29		0	0	---		0	0	0	0	0	0	0
30		0	0	0		---	0	0	0	0	0	0
31			0	0		.01		0		0	0	

---Indicates missing or incomplete record.
Data collection began November 12, 1969.

Station 2, Pigeon Pass Creek at Heacock Street, near Sunnymead, Calif. (11070232)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.01	0	0	0	0	0	0	0	0	0
2	0	0	.01	.37	0	0	0	0	0	0	0	0
3	---	0	---	0	.02	0	0	0	0	0	0	0
4	---	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	---	0	0	0	0
6	0	0	0	0	0	0	0	.33	0	0	0	0
7	0	0	0	0	0	0	0	.22	0	0	0	0
8	0	0	0	0	0	0	0	.03	0	0	0	0
9	0	0	.08	0	0	0	0	0	---	0	---	0
10	0	0	---	0	0	0	0	0	---	0	---	0
11	0	0	0	0	---	0	0	0	---	0	---	0
12	0	0	0	.15	---	0	---	0	0	0	---	0
13	0	0	0	.04	0	.15	---	0	0	0	---	0
14	0	0	.03	0	0	0	.06	0	0	0	---	0
15	0	0	0	0	0	0	.01	0	0	0	---	0
16	0	0	.13	0	.34	0	0	0	0	0	---	0
17	0	0	.35	0	.03	0	.07	0	0	0	---	0
18	0	0	.12	0	.01	0	.03	0	0	0	---	0
19	0	0	.72	0	0	0	0	0	0	0	---	0
20	0	0	.14	0	0	0	0	0	0	0	---	0
21	0	0	1.03	0	0	0	0	0	0	0	---	0
22	0	0	.07	0	0	0	0	0	0	0	---	0
23	0	0	.01	0	0	0	0	0	0	0	0	0
24	0	---	---	0	0	0	0	0	0	0	0	0
25	0	.32	0	0	0	0	.04	0	0	0	0	0
26	0	.21	0	0	0	0	---	0	0	0	0	0
27	0	0	0	0	0	0	0	---	0	0	0	0
28	0	.32	0	0	0	0	0	.13	0	0	0	0
29	0	1.22	0	0		0	0	.01	.03	0	0	.03
30	0	.16	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	

--- Indicates missing or incomplete record.

Station 2, Pigeon Pass Creek at Heacock Street, near Sunnymead, Calif. (11070232)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	0	0	---	0	0	0	0	0	0	0	0
2	.02	0	---	0	0	0	0	0	.01	0	0	0
3	.04	0	.04	0	0	0	0	0	.01	0	0	---
4	0	0	---	0	0	0	0	0	.01	0	0	.02
5	0	0	---	0	.11	0	---	0	0	0	0	0
6	0	0	.01	0	---	0	0	0	---	0	0	---
7	0	0	---	0	0	0	0	0	---	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	---	0	0	0	0	0	0	0
10	.06	0	0	0	0	0	0	0	0	0	0	0
11	.01	0	0	0	.01	0	0	0	0	0	0	0
12	0	.03	0	0	.03	0	0	0	0	0	---	0
13	0	0	---	0	.03	0	---	0	0	0	0	0
14	.02	0	0	0	.01	0	0	0	0	0	0	0
15	0	0	0	0	.10	0	0	0	0	0	0	0
16	.27	0	0	0	.06	0	0	0	---	0	0	0
17	.04	0	0	0	.17	0	0	0	0	---	0	0
18	0	0	0	0	.06	0	0	0	0	0	0	0
19	0	0	0	0	.03	0	.18	---	0	0	0	0
20	0	0	0	0	.04	0	---	---	.05	0	0	0
21	0	0	0	0	.01	0	0	0	---	0	0	0
22	.02	0	.33	0	.02	0	0	0	0	0	0	0
23	.01	0	.01	0	.04	0	0	0	0	0	0	0
24	.01	0	1.42	---	0	0	0	0	0	0	0	0
25	---	0	.17	0	0	0	0	0	0	0	0	0
26	0	0	---	0	0	0	0	0	0	0	0	0
27	0	0	.63	0	.02	0	0	0	0	0	0	0
28	.09	0	.28	0	0	0	0	0	0	0	0	0
29	0	0	---	0	0	0	0	0	0	0	0	0
30	0	0	.01	0		0	0	0	0	0	0	0
31	0		---	0		0		0		0	0	

--- Indicates missing or incomplete record.

Station 2, Pigeon Pass Creek at Heacock Street, near Sunnymead, Calif. (11070232)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	---	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	.11	0	0	0	0	0	0	0
4	0	0	.88	---	.01	.08	0	0	0	0	0	0
5	0	0	0	---	.05	---	0	0	0	0	0	0
6	0	0	0	0	.55	.86	0	0	0	0	0	0
7	0	0	.43	0	.22	.01	0	0	0	0	0	0
8	0	0	.31	0	.02	.38	0	0	0	0	0	0
9	0	0	0	.19	0	.03	0	0	0	0	0	0
10	0	0	0	.02	---	0	0	0	0	0	0	0
11	0	.29	0	---	1.20	.51	0	0	0	0	0	0
12	0	.01	0	0	.46	.11	0	0	0	0	0	0
13	---	0	0	---	.53	.04	0	0	0	0	0	0
14	---	.55	0	---	0	.01	0	0	0	0	0	0
15	---	.01	0	0	.16	0	0	0	0	0	0	0
16	0	.84	0	.85	0	0	0	0	0	0	0	0
17	0	.05	0	.01	0	0	0	0	0	0	0	0
18	0	0	0	.57	0	0	0	0	0	0	0	0
19	.30	0	0	.03	0	0	0	0	0	0	0	0
20	.04	---	0	0	0	.80	0	0	0	0	0	0
21	.01	0	0	0	---	.23	0	0	0	0	0	0
22	0	0	0	0	0	.02	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	.14	0	0	0	0	0	0	0	0
26	---	0	0	.02	0	---	0	0	0	0	0	0
27	---	0	0	0	.08	.14	0	0	0	0	0	0
28	0	0	0	0	.48	.02	0	0	0	0	0	0
29	0	0	0	0		.01	0	0	0	0	0	0
30	0	0	0	---	-	0	0	0	0	0	0	0
31	0		0	.01		0		0		0	0	

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 2, Pigeon Pass Creek at Heacock Street, near Sunnymead, Calif. (11070232)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	.36	0	.01	.30	0	0	---	---	---
2	0	0	0	.01	0	.63	.45	0	0	---	---	---
3	0	0	0	0	0	.23	0	0	0	---	---	---
4	0	0	0	1.75	0	0	0	0	0	---	---	---
5	0	0	0	.65	0	---	0	0	---	---	---	---
6	0	.04	0	.45	0	0	0	0	---	---	---	---
7	0	0	0	1.67	0	.53	0	0	---	---	---	---
8	---	.02	0	.50	0	.80	0	0	---	---	---	---
9	0	0	0	.15	0	.01	0	0	---	---	---	---
10	0	0	0	.01	0	0	0	0	---	---	---	---
11	0	0	0	0	0	---	0	0	---	---	---	---
12	0	.08	0	0	0	0	0	0	---	---	---	---
13	0	0	0	0	0	0	0	0	---	---	---	---
14	0	0	0	0	0	0	0	.01	---	---	---	---
15	0	0	0	0	0	0	0	0	---	---	---	---
16	0	.06	0	0	0	0	0	0	---	0	---	---
17	0	.12	0	.10	0	0	0	0	---	0	---	---
18	0	.04	0	.02	0	0	0	0	---	0	---	---
19	0	.02	0	0	0	0	0	0	---	0	---	---
20	0	0	0	.25	0	0	0	0	---	---	---	---
21	0	---	0	.01	0	0	0	0	---	---	---	---
22	0	.25	0	0	0	0	0	0	---	---	---	---
23	0	.21	0	0	0	0	0	0	---	---	---	---
24	0	.01	0	0	0	0	0	0	---	---	---	---
25	0	---	0	0	0	0	0	0	0	---	---	---
26	0	---	0	0	0	0	0	0	0	---	---	---
27	0	---	0	0	0	---	0	0	---	---	---	---
28	0	0	0	0	.09	0	0	0	---	---	---	---
29	0	0	0	0		0	0	0	---	---	---	---
30	0	0	0	0		0	0	0	---	---	---	0
31	0		0	0		0		0		---	---	

--- Indicates missing or incomplete record.

Station 2, Pigeon Pass Creek at Heacock Street, near Sunnymead, Calif. (11070232)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.02	0	.01	.03	0	0	---	0			
2	0	.01	0	0	0	0	0	---	0			
3	0	.01	0	0	.64	0	0	---	0			
4	0	0	1.13	0	.11	0	0	---	0			
5	0	0	.04	0	.03	.01	.29	---	0			
6	0	0	---	0	.01	.37	.29	---	0			
7	0	0	0	0	0	.05	.03	0	0			
8	.01	0	0	0	0	1.23	.46	0	0			
9	0	0	0	0	.35	.03	.18	0	0			
10	0	0	0	0	.14	.63	.14	0	0			
11	0	0	0	0	0	.18	.02	0	0			
12	0	0	0	0	0	.02	.01	0	0			
13	0	0	0	0	0	.01	0	0	0			
14	0	0	0	0	0	.18	0	0	0			
15	0	0	0	0	0	0	0	0	0			
16	0	0	0	0	0	.05	0	0	0			
17	0	0	0	0	0	.01	.04	0	0			
18	0	0	0	0	0	0	.01	0	0			
19	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	0	---	0	0			
21	0	0	0	0	0	0	---	0	0			
22	0	---	0	0	0	.24	---	0	0			
23	0	0	0	0	0	.01	---	0	0			
24	0	0	0	0	0	0	---	0				
25	0	0	0	0	0	.23	---	0				
26	0	0	0	0	0	0	---	0				
27	0	0	0	.06	0	0	---	0				
28	.06	0	.17	.02	0	0	---	0				
29	.01	0	.14	.01		0	---	0				
30	.02	0	---	.07		0	---	0				
31	---		.01	.04		0		0				

--- Indicates missing or incomplete record.
Data collection discontinued June 23, 1975.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						.69	0	0	0	0	0	---
2						.54	0	0	0	0	0	---
3						0	0	0	0	0	0	0
4						.35	0	0	0	0	0	0
5						.28	0	0	0	0	0	0
6						---	0	0	0	0	0	0
7						0	0	0	0	0	0	0
8						0	0	0	0	0	0	0
9						0	0	0	0	0	0	0
10						.09	0	0	0	0	0	0
11						0	0	0	0	0	0	0
12						0	0	0	0	0	0	0
13						---	0	0	0	0	0	0
14						0	0	0	0	0	0	0
15						0	0	0	0	0	0	0
16					0	0	0	0	0	0	0	0
17					0	0	0	0	0	0	0	0
18					0	0	0	0	0	0	0	0
19					0	0	0	0	0	0	0	0
20					0	0	0	0	0	0	0	0
21					0	0	0	0	0	0	0	0
22					0	0	0	0	0	0	0	0
23					0	0	0	0	0	0	0	0
24					0	0	0	0	0	0	0	0
25					0	0	---	0	0	0	0	0
26					0	.05	0	0	0	0	.28	0
27					0	0	.09	0	0	0	---	0
28					.70	0	---	0	0	0	---	0
29						0	---	0	0	0	---	0
30						.04	---	0	0	0	---	0
31						---		0		0	---	

--- Indicates missing or incomplete record.
Data collection began February 16, 1970.

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	---	---	0	0	0	0	0	0	0	0	0
2	0	0	.01	.42	0	0	0	0	0	0	0	0
3	---	0	---	0	---	0	0	0	0	0	0	0
4	---	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	.05	0	0	0	0
6	0	0	0	0	0	0	0	.09	0	0	0	0
7	0	0	0	0	0	0	0	.24	0	0	0	0
8	0	0	0	0	0	0	0	---	0	0	0	0
9	0	0	.10	0	0	0	0	0	---	0	0	0
10	0	0	.01	0	0	0	0	0	---	0	0	0
11	0	0	0	0	0	0	0	0	---	0	0	0
12	0	0	0	.09	0	0	---	0	0	0	0	0
13	0	0	0	.03	0	.10	---	0	0	0	0	0
14	0	0	.12	0	0	0	.12	0	0	0	0	0
15	0	0	0	0	0	0	---	0	0	0	0	0
16	0	0	.04	0	.21	0	0	0	0	0	0	0
17	0	0	.23	0	.04	0	.06	0	0	0	0	0
18	0	0	.01	0	---	0	.01	0	0	0	0	0
19	0	0	.77	0	0	0	0	0	0	0	0	0
20	0	0	.07	0	0	---	0	0	0	0	0	0
21	0	0	.78	0	0	0	0	0	0	0	0	0
22	0	0	.12	0	0	0	0	0	0	0	0	0
23	0	0	---	0	0	0	0	0	0	0	0	0
24	0	---	---	0	0	0	0	0	0	0	0	0
25	0	.17	0	0	0	0	.10	0	0	0	0	0
26	0	.10	0	0	0	0	---	0	0	0	0	0
27	0	0	0	0	0	0	0	.08	0	0	0	0
28	0	.37	0	0	0	0	0	.12	0	0	0	0
29	0	.94	0	0		0	0	.01	---	0	0	---
30	0	.03	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	.01	0	0	0	0	0	0	0	0
2	---	---	---	0	0	0	0	0	---	0	0	0
3	---	---	---	0	0	0	0	0	---	0	0	.05
4	0	---	---	0	0	0	0	0	---	0	0	---
5	---	---	---	0	.11	0	---	0	0	0	0	0
6	---	---	---	0	.01	0	0	0	---	0	0	.01
7	---	---	---	0	0	0	0	0	---	0	0	0
8	---	---	---	0	---	0	0	0	0	0	---	0
9	---	0	---	0	0	0	0	0	0	0	---	0
10	---	0	---	0	0	0	0	0	0	0	---	0
11	---	0	---	0	---	0	0	0	0	0	---	0
12	---	.05	---	0	---	0	0	0	0	0	---	0
13	---	0	---	0	---	0	---	0	0	0	---	0
14	---	0	---	0	---	0	0	0	0	0	---	0
15	---	0	---	0	---	0	0	0	0	0	---	---
16	---	0	---	0	---	0	0	0	.08	0	---	---
17	---	0	---	0	---	0	0	0	0	---	---	---
18	---	0	---	0	---	0	0	0	0	0	---	---
19	---	0	---	0	---	0	---	.01	0	0	---	---
20	---	0	---	0	---	0	---	.02	.16	0	---	---
21	---	0	---	0	---	0	0	0	.02	0	---	---
22	---	0	.16	0	---	0	0	0	0	0	---	---
23	---	0	---	0	---	0	0	0	0	0	---	---
24	---	0	.97	---	0	0	0	0	0	0	---	---
25	---	0	.26	0	0	0	0	0	0	0	---	---
26	---	0	---	0	0	0	0	0	0	0	---	---
27	---	0	.68	0	---	0	0	0	0	0	---	---
28	---	0	.29	0	0	0	0	0	0	0	---	---
29	---	---	---	0	0	0	0	0	0	0	0	---
30	---	---	---	0		0	0	0	0	0	0	---
31	---		---	0		0		0		0	0	

--- Indicates missing or incomplete record.

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0	0	0	0	0	0	---	0	0	---
2	---	---	0	0	0	0	0	0	0	0	0	---
3	---	---	0	0	.14	0	0	0	0	0	0	---
4	---	---	.66	---	.01	.08	0	0	0	0	0	0
5	---	---	0	---	.08	.01	0	0	0	0	0	0
6	---	---	0	0	.39	.26	0	0	0	0	0	0
7	---	---	.24	0	.23	---	0	0	0	0	0	0
8	---	---	.16	0	.01	.34	0	0	0	0	0	0
9	---	---	0	.17	0	.01	0	0	0	0	0	0
10	0	0	0	.02	---	0	0	0	0	0	0	0
11	0	.30	0	---	.95	.34	0	0	0	0	0	0
12	0	---	0	---	.30	.16	0	0	0	0	0	0
13	.09	0	0	---	.43	.04	0	0	0	0	0	0
14	.01	.43	0	---	0	---	0	0	0	0	0	0
15	.08	---	0	0	.19	0	0	0	0	0	0	0
16	0	.72	0	.79	0	0	0	0	0	0	0	0
17	0	.02	0	.01	0	0	0	0	0	0	0	0
18	---	0	0	.50	0	0	0	0	0	0	0	0
19	---	0	0	.01	0	0	0	0	0	0	0	0
20	---	.01	0	0	0	.54	0	0	0	0	0	0
21	---	0	0	0	.03	.16	0	0	0	0	0	---
22	---	0	0	0	0	.01	0	0	0	0	0	---
23	---	0	0	0	0	0	0	0	0	0	0	---
24	---	0	0	0	0	0	0	0	0	0	0	---
25	---	0	0	.21	0	0	0	0	0	0	---	0
26	---	---	0	.01	0	.04	0	0	0	0	---	0
27	---	---	0	0	.05	.11	0	0	0	0	---	0
28	---	---	0	0	.33	---	0	0	0	0	---	0
29	---	---	0	0		---	0	0	0	0	---	0
30	---	0	0	.03		0	0	0	0	0	---	0
31	---		0	---		0		0		0	---	

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	.21	---	---	.23	0	0	0	0	0
2	0	0	0	.01	---	.55	.17	0	0	0	0	0
3	0	0	0	0	---	.20	0	0	0	0	0	0
4	0	0	0	1.47	---	0	0	0	0	0	0	0
5	0	0	0	.49	---	---	0	0	0	0	0	0
6	0	---	0	.41	---	0	0	0	0	0	0	0
7	0	0	0	1.22	---	.55	0	0	0	0	0	0
8	.01	---	0	.56	---	.62	0	0	0	0	0	0
9	0	0	0	.20	---	---	0	0	0	0	0	0
10	0	0	0	---	---	0	0	0	0	0	0	0
11	0	0	0	0	---	---	0	0	0	0	0	0
12	0	---	0	0	---	0	0	0	0	0	0	0
13	0	0	0	0	---	0	0	0	0	0	0	0
14	0	0	0	0	---	0	0	---	0	0	0	0
15	0	---	0	0	---	0	0	0	0	0	0	0
16	0	---	0	0	---	0	0	0	0	0	0	0
17	0	---	0	.13	---	0	0	0	0	0	0	0
18	0	.11	0	.01	---	0	0	0	0	0	0	0
19	0	---	0	0	---	0	0	0	0	0	0	0
20	0	0	0	.24	---	0	0	0	0	0	0	0
21	0	.01	0	---	---	0	0	0	0	0	0	0
22	0	.32	0	0	0	0	0	0	0	0	0	0
23	0	.01	0	0	0	0	0	0	0	---	0	.18
24	0	---	0	0	0	0	0	0	0	0	0	0
25	0	---	0	0	0	0	0	0	0	0	0	0
26	0	.01	0	0	0	0	0	0	0	0	0	0
27	0	---	0	0	0	.02	0	0	0	0	0	0
28	0	0	0	0	.14	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	

--- Indicates missing or incomplete record.

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	---	0	---	0	0	0	0	0	0		
2	0	---	0	0	0	0	0	0	0	0		
3	0	---	0	0	.78	0	0	0	0	0		
4	0	0	1.24	0	.07	0	0	0	0	0		
5	0	0	---	0	0	.07	.21	0	0	0		
6	0	0	---	0	0	.48	.24	0	0	0		
7	0	0	0	0	0	0	.08	0	0	0		
8	---	0	0	0	0	1.32	.45	0	0	0		
9	0	0	0	0	.28	0	.16	0	0			
10	0	0	0	0	.04	.50	.10	0	0			
11	0	0	0	0	0	.15	0	0	0			
12	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	.02	0	0	0			
14	0	0	0	0	.02	.15	0	0	0			
15	0	0	0	0	0	0	0	0	0			
16	0	0	0	0	0	.10	0	0	0			
17	0	0	0	0	0	0	.04	0	0			
18	0	0	0	0	0	0	0	0	0			
19	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	0			
22	0	---	0	0	0	.10	0	0	0			
23	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	0	.01	0	0			
26	0	0	0	0	0	0	0	0	0			
27	0	0	0	.08	0	0	0	0	0			
28	.01	0	.30	0	0	0	0	0	0			
29	.06	0	.15	0		0	0	0	0			
30	.01	0	---	.11		0	0	0	0			
31	---		---	.01		0		0				

--- Indicates missing or incomplete record.
Data collection discontinued July 8, 1975.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	0	0	.70	0	0	0	0	0	0
2			0	0	0	.52	0	0	0	0	0	0
3			0	0	0	0	0	0	0	0	0	0
4			0	0	0	.53	0	0	0	0	0	0
5			0	0	0	.01	0	0	0	0	0	0
6			0	0	0	.01	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0
9		0	---	.07	0	0	0	0	0	0	0	0
10		.01	0	.05	1.28	.02	0	0	0	0	0	0
11		---	0	.30	.07	0	0	0	0	0	0	0
12		0	0	.04	0	0	0	0	0	0	0	0
13		0	0	0	0	.01	0	0	0	0	0	0
14		0	0	---	0	0	0	0	0	0	0	0
15		---	0	.04	0	0	0	0	0	0	0	0
16		.01	0	.45	0	0	0	0	0	0	0	0
17		0	0	---	0	0	0	0	0	0	0	0
18		0	0	.01	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0
21		0	0	.01	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0
23		0	0	---	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	.09	0	0	0	0	0
26		0	0	0	0	---	0	0	0	0	---	0
27		0	0	0	0	0	---	0	0	0	0	0
28		0	0	0	.85	0	0	0	0	0	0	0
29		0	0	0		0	0	0	0	0	0	0
30		0	0	0		---	---	0	0	0	0	0
31			0	0		---		0		0	0	

--- Indicates missing or incomplete record.
Data collection began November 6, 1969.

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.01	0	0	0	0	0	0	0	0	0
2	0	0	.03	.22	0	0	0	0	0	0	0	0
3	.01	0	.01	0	---	0	0	0	0	0	0	0
4	---	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	.01	0	0	0	0
6	0	0	0	0	0	0	0	.01	0	0	0	0
7	0	0	0	0	0	0	0	.24	0	0	0	0
8	0	0	0	0	0	0	0	.01	0	0	0	0
9	0	0	.03	0	0	0	0	0	---	0	0	0
10	0	0	---	0	0	0	0	0	.03	0	0	0
11	0	0	0	0	0	0	0	0	.01	0	0	0
12	0	0	0	.07	0	0	---	0	0	0	0	0
13	0	0	0	.01	0	.03	.01	0	0	0	0	0
14	0	0	---	0	0	0	.24	0	0	0	0	0
15	0	0	0	0	0	0	---	0	0	0	0	0
16	0	0	---	0	.18	0	0	0	0	0	0	0
17	0	0	.22	0	.06	0	.06	0	0	0	0	0
18	0	0	.12	0	.01	0	.01	0	0	0	0	0
19	0	0	.73	0	0	0	0	0	0	0	0	0
20	0	0	.09	0	0	0	0	0	0	0	0	0
21	0	0	.84	0	0	0	0	0	0	0	0	0
22	0	0	.08	0	0	0	0	0	0	0	0	0
23	0	0	---	0	0	0	0	0	0	0	0	0
24	0	---	---	0	0	0	0	0	0	0	0	0
25	0	.09	0	0	0	0	.08	0	0	0	0	---
26	0	.29	0	0	0	0	---	0	0	0	0	---
27	0	0	0	0	0	0	0	---	0	0	0	---
28	0	.45	0	0	0	0	0	.10	0	0	0	---
29	0	1.02	0	0		0	0	---	---	0	0	---
30	0	.10	0	0		0	0	0	0	0	0	---
31	0		0	0		0		0		0	0	

--- Indicates missing or incomplete record.

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0	0	---	0	0	0	0	0	---	0	0
2	---	0	.01	0	0	0	0	0	---	---	0	0
3	---	0	.09	0	0	0	0	0	---	---	0	.09
4	---	0	.09	0	0	0	0	0	---	---	0	---
5	---	0	---	0	.03	0	---	0	0	---	0	0
6	---	0	.09	0	.01	0	0	0	.02	---	0	---
7	---	0	.01	0	0	0	0	0	---	---	0	0
8	---	0	0	0	.01	0	0	0	0	---	0	0
9	---	0	0	0	0	0	0	0	0	---	0	0
10	---	0	0	0	0	0	0	0	0	---	0	0
11	---	0	0	0	---	0	0	0	0	---	0	0
12	---	.02	0	0	---	0	0	0	0	---	---	0
13	---	0	.04	0	---	0	---	0	0	---	0	0
14	---	0	0	0	---	0	0	0	0	---	0	0
15	0	0	0	0	---	0	0	0	0	---	0	0
16	---	0	0	0	---	0	0	0	---	---	0	0
17	---	0	0	0	---	0	0	0	0	---	0	0
18	0	0	0	0	---	0	0	0	0	0	0	0
19	0	0	0	0	---	0	.15	.01	0	0	0	0
20	0	0	0	0	---	0	.01	---	.17	0	0	0
21	0	0	0	0	---	---	0	0	.02	0	0	0
22	---	0	.52	0	---	---	0	0	0	0	0	0
23	---	0	.01	0	---	---	0	0	---	0	0	0
24	.08	0	.90	0	0	---	0	0	---	0	0	0
25	.01	0	.30	0	0	---	0	0	---	0	0	0
26	0	0	.01	0	0	---	0	0	---	0	0	0
27	0	0	.84	0	---	---	0	0	---	0	0	0
28	---	0	.29	0	0	---	0	0	---	0	0	0
29	0	0	.01	0	0	---	0	0	---	0	0	0
30	0	0	---	0		---	0	0	---	0	0	0
31	0		---	0		---		0		0	0	

--- Indicates missing or incomplete record.

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	---	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	.18	0	0	0	0	0	0	0
4	0	0	.09	.08	.01	.07	0	0	0	0	0	0
5	0	0	0	.01	.07	---	0	0	0	0	0	0
6	0	0	0	0	.38	.30	0	0	0	0	0	0
7	0	0	.09	0	.30	.02	0	0	0	0	0	0
8	0	0	.17	0	.01	.40	0	0	0	0	0	0
9	0	0	0	.26	0	---	0	0	0	0	0	0
10	0	0	0	.01	.01	0	0	0	0	0	0	0
11	0	.27	0	---	1.04	.39	0	0	0	0	0	0
12	0	---	0	0	.14	.14	0	0	0	0	0	---
13	---	0	0	---	.54	.03	0	0	0	0	0	---
14	---	.47	0	---	0	---	0	0	0	0	0	---
15	---	---	0	0	.13	0	0	0	0	0	0	---
16	0	.91	0	.67	0	0	0	0	0	0	0	---
17	0	.01	0	.01	0	0	0	0	0	0	0	---
18	0	0	0	.63	0	0	0	0	0	0	0	---
19	.36	0	0	.08	0	0	0	0	0	0	0	---
20	.05	.01	0	0	0	.62	0	0	0	0	0	---
21	.01	0	0	0	---	.08	0	0	0	0	0	---
22	0	0	0	0	0	.01	0	0	0	0	0	---
23	0	0	0	0	0	0	0	0	0	0	0	---
24	0	0	0	0	0	0	0	0	0	0	0	---
25	0	0	0	.16	0	0	0	0	0	0	0	0
26	.01	0	0	.01	0	.05	0	0	0	0	0	0
27	.09	0	0	0	.07	.05	0	0	0	0	0	0
28	0	0	0	0	.19	.01	0	0	0	0	0	0
29	0	0	0	0		---	0	0	0	0	0	0
30	0	0	0	.01		0	0	0	0	0	0	0
31	0		0	---		0		0		0	0	

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	.08	0	.01	.12	0	0	0	0	0
2	0	0	0	---	0	.32	.09	0	0	0	0	0
3	0	0	0	0	0	.16	0	0	0	0	0	0
4	0	0	0	1.63	0	0	0	0	0	0	0	0
5	0	0	0	.43	0	---	0	0	0	0	0	0
6	0	---	0	.22	0	0	0	0	0	0	0	0
7	0	0	0	1.56	0	.42	0	0	0	0	0	0
8	---	---	0	.56	0	.69	0	0	0	0	0	0
9	0	0	0	.17	0	---	0	0	0	0	0	0
10	0	0	0	.01	0	0	0	0	0	0	0	0
11	0	0	0	0	0	.01	0	0	0	0	0	0
12	0	---	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	---	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	---	0	0	0	0	0	0	0	0	0	0
17	0	.26	0	.11	0	0	0	0	0	0	0	0
18	0	.53	0	.01	0	0	0	0	0	0	0	0
19	0	---	0	0	0	0	0	0	0	0	0	0
20	0	0	0	---	0	0	0	0	0	0	0	0
21	0	.02	0	---	0	0	0	0	0	0	0	0
22	0	.40	0	---	0	0	0	0	0	0	0	0
23	0	.01	0	---	0	0	0	0	0	---	0	---
24	0	.19	0	---	0	0	0	0	0	0	0	0
25	0	.01	0	---	0	0	0	0	0	0	0	0
26	0	---	0	---	0	0	0	0	0	0	0	0
27	0	---	0	---	0	---	0	0	0	0	0	0
28	0	0	0	---	.09	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	

--- Indicates missing or incomplete record.

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	---	0	---	0	0	0	0	0	0		
2	0	---	0	---	0	0	0	0	0	0		
3	0	---	0	---	.91	0	0	0	0	0		
4	0	0	1.49	---	.06	0	0	0	0	0		
5	0	0	.01	---	.01	.16	.16	0	0	0		
6	0	0	.01	---	0	.68	.23	0	0	0		
7	0	0	0	---	0	.01	.02	0	0	0		
8	---	0	0	---	0	1.11	.57	0	0	0		
9	0	0	---	---	.31	0	.16	0	0			
10	0	0	---	---	.05	.49	.08	0	0			
11	0	0	---	---	0	.13	0	0	0			
12	0	0	---	---	0	.01	0	0	0			
13	0	0	---	---	0	0	.01	0	0			
14	0	0	---	---	0	.09	0	0	0			
15	0	0	---	---	0	0	0	0	0			
16	0	0	---	---	0	.10	---	0	0			
17	0	0	---	---	0	.01	---	0	0			
18	0	0	---	---	0	0	---	0	0			
19	0	0	---	---	0	0	0	0	0			
20	0	0	---	---	0	0	0	0	0			
21	0	0	---	---	0	0	0	0	0			
22	0	.01	---	---	0	.08	0	0	0			
23	0	0	---	---	0	.02	0	0	0			
24	0	0	---	---	0	0	0	0	0			
25	0	0	---	---	0	0	0	0	0			
26	0	0	---	---	0	0	0	0	0			
27	0	0	---	---	0	0	0	0	0			
28	.03	0	---	---	0	0	0	0	0			
29	.33	0	---	---		0	0	0	0			
30	---	0	---	.11		0	0	0	0			
31	---		---	.01		.01		0				

--- Indicates missing or incomplete record.

Data collection discontinued July 8, 1975.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	0	0	.73	0	0	0	0	0	0
2			0	0	0	.35	0	0	0	0	0	0
3			0	0	0	0	0	0	0	0	0	0
4			0	0	0	.51	0	0	0	0	0	0
5			0	0	0	.02	0	0	0	0	0	0
6			0	0	0	---	0	0	0	0	0	0
7			0	0	0	0	0	0	0	0	0	0
8			0	0	0	0	0	0	0	0	0	0
9			.01	.11	0	0	0	0	0	0	0	0
10			0	.08	1.35	.03	0	0	0	0	0	0
11			0	.35	.03	0	0	0	0	0	0	0
12		0	0	.02	0	0	0	0	0	0	0	0
13		0	0	0	0	.01	0	0	0	0	0	0
14		0	0	.01	0	---	0	0	0	0	0	0
15		---	0	---	0	---	0	0	0	0	0	0
16		---	0	.33	0	---	0	0	0	0	0	0
17		0	0	.01	0	---	0	0	0	0	0	0
18		0	0	---	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0
21		0	0	---	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0
23		0	0	.01	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	---	0	0	0	0	0
26		0	0	0	0	---	0	0	0	0	.15	0
27		0	0	0	0	0	---	0	0	0	0	0
28		0	0	0	.99	0	0	0	0	0	0	0
29		0	0	0		0	0	0	0	0	0	0
30		0	0	0		---	0	0	0	0	0	0
31			0	0		---		0		0	0	

--- Indicates missing or incomplete record.
Data collection began November 11, 1969.

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)---Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	---	0	0	0	0	0	0	0	0	0
2	0	0	---	.21	0	0	0	0	0	0	0	0
3	.20	0	---	0	---	0	0	0	0	0	0	0
4	.01	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	---	0	0	0	.03	0	0	0	0
6	0	0	0	0	0	0	0	---	0	0	0	0
7	0	0	0	0	0	0	0	.32	0	0	0	0
8	0	0	0	0	0	0	0	.01	0	0	0	0
9	0	0	.10	0	0	0	0	0	.02	0	0	0
10	0	0	.01	0	0	0	0	0	.04	0	0	0
11	0	0	0	0	0	0	0	0	---	0	0	0
12	0	0	0	.06	0	0	.01	0	0	0	0	0
13	0	0	0	.01	0	.06	---	0	0	0	0	0
14	0	0	.12	0	0	0	.12	0	0	0	0	0
15	0	0	0	0	0	0	.01	0	0	0	0	0
16	0	0	.04	0	.24	0	0	0	0	0	0	0
17	0	0	.24	0	.08	0	---	0	0	0	0	0
18	0	0	.14	0	---	0	---	0	0	0	0	0
19	0	0	.63	0	0	0	0	0	0	0	0	0
20	0	0	.13	0	0	0	0	0	0	0	0	0
21	0	0	.79	0	0	0	0	0	0	0	0	0
22	0	0	.06	0	0	0	0	0	0	0	0	0
23	0	0	---	0	0	0	0	0	0	0	0	0
24	0	---	.01	0	0	0	0	0	0	0	0	0
25	0	.03	0	0	0	0	.02	0	0	0	0	0
26	0	.19	0	0	0	0	.01	0	0	0	0	0
27	0	---	0	0	0	0	0	---	0	0	0	0
28	0	.38	0	0	0	0	0	.06	0	0	0	0
29	0	.96	0	0		0	0	---	0	0	0	---
30	0	.02	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0	0	---	---	0	0	0	0	---	0	0
2	---	0	.02	0	---	0	0	0	---	---	0	0
3	---	0	.08	0	---	0	0	0	---	---	0	.07
4	0	0	.04	0	---	0	0	0	---	---	0	.01
5	0	0	.01	0	---	0	.01	0	0	---	0	0
6	0	0	.07	0	---	0	0	0	.13	---	0	.03
7	---	0	.02	0	---	0	0	0	.01	---	0	0
8	---	0	0	0	---	0	0	0	0	---	0	0
9	---	0	0	0	---	0	0	0	0	---	0	0
10	---	0	0	0	---	0	0	0	0	---	0	0
11	---	0	0	0	---	0	0	0	0	---	0	0
12	---	.03	0	0	---	0	0	0	0	---	.12	0
13	---	0	.01	0	---	0	.03	0	0	---	0	0
14	---	0	0	0	---	0	0	0	0	---	0	0
15	---	0	0	0	---	0	0	0	0	---	0	0
16	---	0	0	0	---	0	0	0	---	---	0	0
17	.01	0	0	0	---	0	0	0	0	.01	0	0
18	---	0	0	0	---	0	0	0	0	0	0	0
19	---	0	0	0	---	0	---	.01	0	0	0	0
20	---	0	0	0	---	0	---	.03	---	0	0	0
21	---	0	0	0	---	0	---	0	---	0	0	0
22	---	0	.53	0	---	0	---	0	---	0	0	0
23	---	0	.01	0	---	0	---	0	---	0	0	0
24	.16	0	1.31	0	0	0	0	0	---	0	0	0
25	.01	0	.25	---	0	0	0	0	---	0	0	0
26	0	0	.04	---	0	0	0	0	---	0	0	0
27	0	0	.74	---	---	0	0	0	---	0	0	0
28	---	0	.24	---	0	0	0	0	---	0	0	0
29	0	0	.01	---	0	0	0	0	---	0	0	0
30	0	0	---	---		0	0	0	---	0	0	0
31	0		.01	---		0		0		0	0	

--- Indicates missing or incomplete record.

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	.03	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	---
3	0	0	0	0	.22	0	0	0	0	0	0	---
4	0	0	.46	.25	.02	.04	0	0	0	0	0	0
5	0	0	0	.01	.01	---	0	0	0	0	0	0
6	0	0	0	0	.37	.28	0	0	0	0	0	0
7	0	0	.04	0	.09	.01	0	0	0	0	0	0
8	0	0	.13	0	---	.43	0	0	0	0	0	0
9	0	0	---	.23	0	.01	0	0	0	0	0	0
10	0	---	---	.01	---	0	0	0	0	0	0	0
11	---	---	0	---	1.08	.46	0	0	0	0	0	0
12	---	---	0	0	.16	.04	0	0	0	0	0	0
13	---	---	0	---	.51	.03	0	0	0	0	0	0
14	---	---	0	---	0	---	0	0	0	0	0	0
15	---	---	0	0	.10	0	0	0	0	0	0	0
16	---	---	0	.67	0	0	0	0	0	0	0	0
17	---	---	0	.01	0	0	0	0	0	0	0	0
18	---	---	0	.54	0	0	0	0	0	0	0	0
19	---	---	0	.05	0	0	0	0	0	0	0	0
20	---	---	0	0	0	.42	0	0	0	0	0	0
21	---	---	0	0	---	.10	0	0	0	0	0	0
22	---	---	0	0	0	.01	0	0	0	0	0	0
23	---	---	0	0	0	0	0	0	0	0	0	0
24	---	---	0	0	0	0	0	0	0	0	0	0
25	---	---	0	.11	0	0	0	0	0	0	0	0
26	---	---	0	.01	0	---	0	0	0	0	0	0
27	---	---	0	0	.05	---	0	0	0	0	0	0
28	---	0	0	0	.31	---	0	0	0	0	0	0
29	---	0	0	0		---	0	0	0	0	0	0
30	---	0	0	.03		0	0	0	0	0	0	0
31	0		0	---		0		0		0	0	

--- Indicates missing or incomplete record.

SUPPLEMENTAL DATA C: PRECIPITATION RECORDS, WATER YEARS 1970-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	.06	0	---	.04	---	0	0	0	0
2	0	0	0	---	0	.39	.05	---	0	0	0	0
3	0	0	0	0	0	.12	0	---	0	0	0	0
4	0	0	0	1.49	0	0	0	---	0	0	0	0
5	0	0	0	.45	0	.01	0	---	0	0	0	0
6	0	---	0	.20	0	0	0	---	0	0	0	0
7	0	0	0	1.66	0	.45	0	---	0	0	0	0
8	---	---	0	.59	0	.73	0	---	0	0	0	0
9	0	0	0	.11	0	.01	0	---	0	0	0	0
10	0	0	0	---	0	0	0	---	0	0	0	0
11	0	0	0	0	0	---	0	---	0	0	0	0
12	0	---	0	0	0	0	0	---	0	0	0	0
13	0	0	0	0	0	0	0	---	0	0	0	0
14	0	0	0	0	0	0	0	---	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	---	0	0	0	0	0	0	0	0	0	0
17	0	---	0	.07	0	0	0	0	0	0	0	0
18	0	---	0	.01	0	0	0	0	0	0	0	0
19	0	---	0	0	0	0	0	0	0	0	0	0
20	0	0	0	.09	0	0	0	0	0	0	0	0
21	0	---	0	.01	0	0	0	0	0	0	0	0
22	0	.56	0	0	0	0	0	0	0	0	0	0
23	0	---	0	0	0	0	0	0	0	.13	0	---
24	0	.09	0	0	0	0	---	0	0	0	0	0
25	0	---	0	0	0	0	---	0	0	0	0	0
26	0	---	0	0	0	0	---	0	0	0	0	0
27	0	.01	0	0	0	---	---	0	0	0	0	0
28	0	0	0	0	.02	0	---	0	0	0	0	0
29	0	0	0	0		0	---	0	0	0	0	0
30	0	0	0	0		0	---	0	0	0	0	0
31	0		0	0		0		0		0	0	

--- Indicates missing or incomplete record.

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

ACCUMULATED RAINFALL (IN.), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	---	0	---	---	0	0	0	0	0	0	0
2	0	---	0	0	.02	0	0	0	0	0	0	0
3	0	---	0	0	1.34	0	0	0	0	0	0	0
4	0	0	.38	0	.09	0	0	0	0	0	0	0
5	0	0	---	0	.01	.09	.10	0	0	0	0	0
6	0	0	---	0	.01	.76	.10	0	0	0	0	0
7	0	0	0	0	0	.01	.02	0	0	0	0	0
8	---	0	0	0	0	1.55	.65	0	0	0	0	0
9	0	0	0	0	.26	.02	.17	0	0	0	0	0
10	0	0	0	0	.01	.41	.13	0	0	0	0	0
11	0	0	0	0	0	.05	.01	0	0	0	0	0
12	0	0	0	0	0	.03	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	.11	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	.07	0	0	0	0	0	0
17	0	0	0	0	0	.02	---	0	0	0	0	0
18	0	0	0	0	0	0	---	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	---	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	.01	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	---	0	0	0	0	0	0	0	0
28	---	0	.46	---	0	0	0	0	0	0	0	0
29	.05	0	.17	---		0	0	0	0	0	0	0
30	.45	0	.06	.06		0	0	0	0	0	0	0
31	.02		.01	.02		0		0		0	0	

--- Indicates missing or incomplete record.
Data collection discontinued September 30, 1975.

SUPPLEMENTAL DATA D: SEDIMENT CONCENTRATIONS, WATER YEARS 1970-71, 1973-75

Station 9, Sunnymead Channel at Alessandro Boulevard,
near Sunnymead, Calif. (1107240)

1971 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
NOV				
28...	2230	10.0	5.1	1990
*29...	1425	--	50	17400

1973 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
NOV				
*16...	1130	--	48	5000
FEB				
13...	1135	3.0	7.0	5040
MAR				
20...	1110	9.0	57	10900

1974 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
NOV				
*18...	0920	11.0	8.0	3100
18...	0950	--	4.5	950
*18...	1210	4.0	7.5	4260
JAN				
04...	1430	4.0	31	3300
*04...	1445	4.0	45	7710
04...	1500	4.0	48	6600
*04...	1515	3.5	52	15200
05...	1315	12.0	5.4	2030
05...	1430	12.0	3.6	1930
*05...	1600	12.0	2.3	886
06...	1130	12.0	3.0	345
07...	1000	7.0	5.0	370
07...	1020	7.0	7.4	430
*07...	1345	8.0	29	8110
08...	0805	6.5	12	4770
09...	1145	10.5	.12	60
MAR				
02...	0900	10.0	--	4120
02...	0920	10.0	--	3940
*02...	0945	10.0	--	6480
02...	1100	12.5	--	9980
02...	1300	14.0	--	2740
08...	0915	8.0	23	9150
08...	1030	8.0	32	6150
08...	1100	8.5	88	19100
08...	1130	9.0	115	18800
08...	1345	11.0	40	3270

1975 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
DEC				
*04...	0730	11.0	88	8540
*04...	0800	11.0	35	11900
04...	0815	10.0	23	8080
04...	0830	11.0	20	7260
04...	1030	12.0	17	2410
04...	1045	13.0	12	2030
FEB				
03...	0900	7.0	7.5	3350
*03...	1000	7.0	11	4390
03...	1030	7.5	16	3350
03...	1100	7.5	15	4860
03...	1130	7.5	13	6840
MAR				
08...	0815	11.0	1.1	3850
08...	0845	12.0	1.9	3580
08...	0900	12.0	6.8	4220
*08...	1015	12.0	11	4420
08...	1040	12.0	12	6430
*08...	1130	14.0	20	5130
*08...	1200	14.0	74	3610
08...	1335	12.0	23	8100
*08...	1435	11.5	39	14300
08...	1515	11.0	37	7110

* Indicates size analysis available. See Supplemental Data E.

Station 17, Perris Channel Lateral "B" at Perris Boulevard
near March Field, Calif. (11070262)

1971 Water Year

DATE	TIME	TEMPER-ATURE (DEG C)	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)
NOV				
*29...	1600	11.0	4.7	1970
DEC				
22...	1200	12.0	.20	88

1973 Water Year

DATE	TIME	TEMPER-ATURE (DEG C)	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)
NOV				
*16...	1345	13.5	20	4890
FEB				
11...	1145	10.0	90	3830
13...	1410	18.0	1.6	315
MAR				
20...	1300	13.0	5.7	1010

1974 Water Year

DATE	TIME	TEMPER-ATURE (DEG C)	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)
JAN				
04...	1615	5.0	20	3910
*04...	1720	5.0	32	11900
04...	1820	4.0	32	3310
04...	1910	4.0	32	5750
04...	2005	4.0	25	4880
04...	2030	4.0	22	4020
05...	0230	4.0	7.2	3680
05...	0830	4.0	4.7	343
05...	1130	5.0	2.9	395
MAR				
*07...	1850	10.0	9.6	1220
07...	1915	10.0	11	1250
07...	2000	10.0	7.8	1340
*08...	0630	7.0	12	315
08...	0715	7.0	13	366
08...	0800	7.0	13	319
08...	0930	7.0	18	716
08...	1130	7.0	27	568
08...	1230	7.0	33	694
*08...	1330	8.0	37	873

1975 Water Year

DATE	TIME	TEMPER-ATURE (DEG C)	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)
DEC				
04...	0815	11.0	.10	2320
*04...	0845	11.0	.60	1900
04...	0915	12.0	.30	879
04...	0945	13.0	.10	831
MAR				
08...	1235	13.5	3.9	2080
*08...	1300	13.5	3.2	1650
08...	1340	11.5	11	5390
*08...	1415	--	11	4630
08...	1430	13.0	13	4630
08...	1450	14.0	15	5360
08...	1510	14.5	17	5620
*08...	1530	12.5	23	8110
08...	1550	12.0	29	8300
*08...	1610	12.0	32	5050
08...	1630	12.0	29	4740
08...	1750	12.5	18	2520
08...	2000	11.0	9.1	3860

* Indicates size analysis available. See Supplemental Data E.

SUPPLEMENTAL DATA D: SEDIMENT CONCENTRATIONS, WATER YEARS 1970-71, 1973-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)

1970 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
MAR				
05...	0915	8.0	82	3200

1971 Water Year

DATE	TIME	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
NOV			
*29...	1650	7.0	2500
29...	1730	150	6040
DEC			
22...	1030	14	409

1973 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
NOV				
*16...	1500	14.5	212	14400
JAN				
19...	0900	7.5	35	3030
FEB				
11...	1025	9.0	405	10500
13...	1600	15.0	48	2730

1974 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
NOV				
*18...	1420	15.0	17	1420
*23...	0945	--	6.5	740
JAN				
04...	1500	5.0	42	6990
04...	1530	6.0	145	6590
04...	1550	5.0	160	4230
04...	1640	5.0	173	11900
*04...	1730	5.0	179	6980
04...	1840	4.0	352	13400
04...	2010	4.0	1090	11200
04...	2350	4.0	140	3590
05...	0900	4.0	145	4630
05...	0930	4.0	125	4460
05...	1112	--	35	1470
05...	1200	4.0	104	4410
05...	1400	4.0	18	3860
MAR				
*08...	0100	7.0	141	4240
08...	0115	7.0	112	4440
08...	0200	--	161	5260
08...	0645	7.0	91	3520
08...	1045	7.0	59	3470
*08...	1145	--	84	4600
*08...	1245	7.0	126	4350

* Indicates size analysis available. See Supplemental Data E.

SUPPLEMENTAL DATA D: SEDIMENT CONCENTRATIONS, WATER YEARS 1970-71, 1973-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

1975 Water Year

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
DEC				
04...	0800	10.0	39	7410
04...	0830	10.0	35	7100
04...	0900	10.5	158	21200
*04...	0930	11.0	226	16700
04...	1000	11.0	202	6740
04...	1030	11.0	173	7330
04...	1100	11.0	141	7340
*04...	1130	12.0	121	5110
04...	1200	12.5	113	4330
04...	1230	13.0	102	5060
04...	1300	13.0	93	4460
04...	1330	13.0	82	2860
04...	1400	14.0	71	2800
04...	1500	14.0	57	2130
04...	2045	14.0	21	1280
04...	2140	12.5	17	1140
05...	0800	11.5	1.2	259
29...	0430	6.0	7.3	1010
*29...	0445	6.0	5.8	1160
29...	0500	6.0	5.8	865
29...	0515	6.0	5.8	807
29...	0530	6.0	5.8	781
29...	0545	5.5	8.2	738
*29...	0600	5.5	7.3	660
29...	0615	5.0	7.3	620
29...	0630	5.0	7.3	578
29...	0645	5.0	7.3	544
29...	0700	5.0	6.5	529
29...	0715	5.0	6.5	505
29...	0730	5.0	5.8	490
29...	0745	5.0	5.8	366
29...	0800	5.5	5.2	357
29...	0815	5.5	4.6	342
29...	0830	5.5	4.6	326
29...	0845	5.5	4.6	318
29...	0900	5.5	4.6	305
29...	0915	5.5	4.6	295
29...	0930	5.5	4.6	289
29...	0945	6.0	4.0	254
29...	1000	6.5	4.0	250
29...	1015	7.5	4.0	269
29...	1030	8.5	4.0	229
29...	1045	9.5	3.5	194
29...	1100	10.0	3.5	192
29...	1115	11.0	3.5	195
29...	1130	11.5	3.5	193
29...	1145	12.5	3.5	182
29...	1200	13.0	3.5	541

1975 Water Year--Continued

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)
DEC				
29...	1215	13.5	3.1	248
29...	1230	14.5	3.1	227
29...	1245	15.5	3.1	177
FEB				
03...	0915	7.5	.44	5190
03...	0930	7.0	.82	5420
03...	0945	7.0	1.2	5370
03...	1000	6.0	4.0	5360
*03...	1015	5.5	5.2	5400
03...	1030	6.0	8.2	6820
03...	1045	7.0	13	8170
03...	1120	7.0	19	8650
03...	1130	7.5	19	8260
03...	1140	8.5	19	11300
03...	1210	9.0	42	13900
*03...	1230	9.5	77	12700
*03...	1245	9.5	108	9820
03...	1300	9.0	133	9680
*03...	1315	9.0	133	9310
03...	1330	8.5	128	7210
*03...	1345	8.5	118	6810
*03...	1430	8.5	104	4480
03...	1530	8.0	71	4060
03...	1630	8.5	64	2490
03...	1800	8.5	55	2350
03...	1900	8.0	42	1740
03...	2000	7.0	30	1730
04...	0700	6.5	3.1	506
04...	0800	6.5	2.7	484
04...	0900	7.0	2.7	453
04...	1000	7.5	2.3	403
04...	1100	9.0	2.0	347
04...	1200	10.5	1.4	299
04...	1300	12.0	1.2	258
04...	1400	12.5	1.2	234
04...	1500	10.5	1.2	210
04...	1600	12.0	.99	197
04...	1700	13.0	.99	186
04...	1800	11.0	.82	162
04...	1900	8.0	.67	144
04...	2000	9.5	.54	135
04...	2100	9.0	.44	115
09...	2245	11.0	.54	67
09...	2300	11.0	.54	67
09...	2315	11.0	.54	67
09...	2335	11.0	.44	65
09...	2345	11.0	.44	59
09...	2400	11.0	.44	64
10...	0015	11.0	.35	66
10...	0100	10.5	.31	59
10...	0200	10.0	.26	60

* Indicates size analysis available. See Supplemental Data E.

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

1975 Water Year--Continued

DATE	TIME	TEMPER-ATURE (DEG C)	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)
MAR				
06...	0545	10.0	1.7	4190
06...	0600	11.0	4.0	3850
06...	0615	11.0	5.8	3660
06...	0630	10.0	5.8	3490
06...	0645	10.5	7.3	3310
06...	0700	10.0	7.3	2800
06...	0800	10.0	5.8	2380
06...	0900	10.5	19	1850
06...	0905	10.0	35	10500
06...	0945	11.0	42	4200
06...	1000	11.5	41	3990
06...	1015	12.0	41	2710
06...	1025	12.0	41	2670
06...	1200	14.5	30	1190
06...	1300	15.0	27	1090
06...	1400	16.0	20	978
06...	1500	17.0	14	951
06...	1600	--	11	1160
06...	1700	15.5	7.3	1280
06...	1800	15.0	4.6	1540
06...	1900	14.5	4.0	1560
06...	2000	13.0	3.1	1510
06...	2100	14.0	2.7	1410
06...	2200	13.0	1.7	1340
06...	2300	12.5	1.2	1300
07...	0300	8.5	.54	765
07...	0400	8.0	.44	758
07...	0500	8.0	.35	754
07...	0600	8.0	.31	746
07...	0700	8.0	.26	683
07...	0800	9.0	.26	628
07...	0900	10.0	.22	654
07...	1000	10.5	.22	590
07...	1100	11.5	.22	585
*07...	1200	17.0	.17	460
08...	1335	13.5	164	11500
08...	1340	13.5	170	10500
*08...	1355	13.5	147	10500
*08...	1410	14.0	139	6640
08...	1440	12.0	164	6170
*08...	1500	12.0	173	6830
08...	1520	12.0	195	6320

1975 Water Year--Continued

DATE	TIME	TEMPER-ATURE (DEG C)	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)
MAR				
08...	1540	13.0	219	8880
*08...	1600	14.0	275	8140
*08...	1620	13.0	293	8750
08...	1640	12.0	293	8690
*08...	1700	13.0	282	6720
08...	1715	13.5	282	7020
08...	1730	14.0	282	6990
08...	1745	13.0	279	7100
08...	1850	13.0	236	6740
08...	1935	12.5	198	6260
09...	0700	9.0	9.0	1240
09...	0800	10.0	6.5	1140
09...	0900	13.0	5.2	977
14...	1200	16.5	5.2	246
14...	1300	17.5	3.5	231
14...	1400	18.5	2.7	224
14...	1500	21.0	1.7	208
14...	1600	20.0	1.4	165
14...	1700	18.0	1.2	162
14...	1800	17.5	1.2	164
14...	1900	17.5	.82	165
14...	2000	17.0	.54	160
APR				
08...	2045	10.0	.22	334
08...	2115	8.5	.26	624
08...	2130	8.0	.31	658
08...	2145	--	.35	672
08...	2200	7.0	5.2	2260
08...	2215	7.0	31	1880
08...	2230	7.0	34	1730
08...	2245	7.0	35	1670
08...	2300	7.0	36	1560
08...	2315	7.0	36	1570
08...	2330	7.0	38	1330
08...	2345	7.0	38	1290
08...	2400	7.0	38	1240
09...	0015	7.0	38	1240
09...	0700	6.0	57	1170
09...	0800	6.0	51	1190
09...	0900	7.0	42	1120
09...	1000	8.0	33	1080
09...	1300	11.0	14	1020
09...	1400	12.0	11	1020

* Indicates size analysis available. See Supplemental Data E.

SUPPLEMENTAL DATA E: SIZE ANALYSES OF SEDIMENTS, WATER YEARS 1971, 1973-75

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. FALL DIAM. % FINER THAN .500 MM
NOV 29...	1425	50	17400	41	51	61	72	82	90	94	99	100

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM
NOV 16...	1130	48	5000	38	46	58	67	79	90	96	100

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPERATURE (DEG C)	STREAM-FLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM
NOV										
18...	0920	11.0	8.0	3100	28	29	33	44	61	80
18...	1210	4.0	7.5	4260	27	33	41	52	68	--
JAN										
04...	1445	4.0	45	7710	13	16	17	22	28	38
04...	1515	3.5	52	15200	8	9	11	13	16	--
05...	1600	12.0	2.3	886	--	--	--	--	--	--
07...	1345	8.0	29	8110	29	36	51	66	83	92
MAR										
02...	0945	10.0	--	6480	31	41	53	65	79	--
08...	1100	8.5	88	19100	11	13	18	25	36	--

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. FALL DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM
NOV										
18...	--	95	--	100	--	--	--	--	--	--
18...	88	--	98	--	100	--	--	--	--	--
JAN										
04...	--	50	--	62	--	79	--	100	--	--
04...	20	--	24	--	30	--	45	--	73	93
05...	99	--	99	--	100	--	--	--	--	--
07...	--	95	--	98	--	99	--	100	--	--
MAR										
02...	88	--	93	--	96	--	99	--	100	--
08...	46	--	51	--	57	--	70	--	86	96

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	STREAMFLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM
DEC								
04...	0730	11.0	88	8540	27	30	36	49
04...	0800	11.0	35	11900	18	24	29	37
FEB								
03...	1000	7.0	11	4390	23	31	40	49
MAR								
08...	1015	12.0	11	4420	26	35	41	53
08...	1130	14.0	20	5130	23	27	34	41
08...	1200	14.0	74	3610	31	39	47	57
08...	1435	11.5	39	14300	12	14	18	22

DATE	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM
DEC							
04...	65	82	92	97	98	99	100
04...	49	61	66	69	74	85	95
FEB							
03...	56	60	63	69	89	98	100
MAR							
08...	65	74	83	89	93	95	98
08...	53	71	84	94	99	100	--
08...	69	85	95	99	100	--	--
08...	28	35	43	49	61	80	95

SUPPLEMENTAL DATA E: SIZE ANALYSES OF SEDIMENTS, WATER YEARS 1971, 1973-75--Continued

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	STREAM-FLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 29...	1600	11.0	4.7	1970	41	61	73	84	94	100

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	STREAM-FLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM
NOV 16...	1345	13.5	20	4890	49	64	74

DATE	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. FALL DIAM. % FINER THAN .500 MM
NOV 16...	82	89	96	98	99	100

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPERATURE (DEG C)	STREAM-FLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM
JAN										
04...	1720	5.0	32	11900	24	27	34	40	51	--
MAR										
07...	1850	10.0	9.6	1220	54	67	79	88	93	97
08...	0630	7.0	12	315	68	81	87	92	95	--
08...	1330	8.0	37	873	38	45	53	62	76	--

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. FALL DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM
JAN									
04...	61	--	73	--	85	--	96	98	99
MAR									
07...	--	97	--	98	--	100	--	--	--
08...	97	--	98	--	99	--	100	--	--
08...	86	--	87	--	87	--	93	98	100

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	STREAM-FLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM
DEC								
04...	0845	11.0	.60	1900	42	56	65	75
MAR								
08...	1300	13.5	3.2	1650	55	68	81	91
08...	1415	--	11	4630	49	60	71	80
08...	1530	12.5	23	8110	34	40	45	55
08...	1610	12.0	32	5050	36	43	50	56

DATE	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM
DEC							
04...	81	--	93	--	99	--	100
MAR							
08...	97	100	--	--	--	--	--
08...	90	--	97	--	100	--	--
08...	69	91	--	97	--	100	--
08...	69	89	--	96	--	100	--

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 29...	1650	7.0	2500	68	81	91	96	97	100

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER-ATURE (DEG C)	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM
NOV 16...	1500	14.5	212	14400	37	45	60	72	83	94	99	100

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPERATURE (DEG C)	STREAM-FLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM
NOV								
18...	1420	15.0	17	1420	59	76	88	96
23...	0945	--	6.5	740	76	86	95	97
JAN								
04...	1730	5.0	179	6980	34	41	52	64
MAR								
08...	0100	7.0	141	4240	44	57	67	76
08...	1145	--	84	4600	45	55	68	75
08...	1245	7.0	126	4350	4350	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM
NOV								
18...	97	--	99	--	99	--	100	--
23...	97	--	99	--	99	--	99	100
JAN								
04...	78	--	88	--	98	--	99	100
MAR								
08...	84	--	92	--	95	--	98	100
08...	82	89	--	96	--	100	--	--
08...	--	--	--	--	--	--	--	--

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	STREAM-FLOW, INSTANTANEOUS (FT^3/S)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM
DEC										
04...	0930	11.0	226	16700	31	42	54	66	80	94
04...	1130	12.0	121	5110	37	47	59	71	83	--
29...	0445	6.0	5.8	1160	52	68	77	83	85	--
29...	0600	5.5	7.3	660	50	63	70	74	75	--
FEB										
03...	1015	5.5	5.2	5400	56	75	81	96	99	--
03...	1230	9.5	77	12700	38	46	61	73	86	98
03...	1245	9.5	108	9820	33	41	52	62	76	91
03...	1315	9.0	133	9310	34	40	50	61	77	91
03...	1345	8.5	118	6810	33	41	52	64	78	91
03...	1430	8.5	104	4480	38	45	56	67	81	92
MAR										
07...	1200	17.0	.17	460	96	100	--	--	--	--
08...	1355	13.5	147	10500	32	39	52	64	76	89
08...	1410	14.0	139	6640	33	40	52	62	77	89
08...	1500	12.0	173	6830	--	--	--	--	--	--
08...	1600	14.0	275	8140	--	--	--	--	--	--
08...	1620	13.0	293	8750	28	33	36	49	64	--
08...	1700	13.0	282	6720	--	--	--	--	--	--

SUPPLEMENTAL DATA E: SIZE ANALYSES OF SEDIMENTS, WATER YEARS 1971, 1973-75--Continued

Station 21, Perris Channel at Nuevo Road, at Perris, Calif. (11070270)---Continued

Particle-size distribution of suspended sediment, water year October 1974 to September 1975--Continued

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. FALL DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM
DEC									
04...	--	99	--	100	--	--	--	--	--
04...	93	--	98	--	100	--	--	--	--
29...	86	--	90	--	92	--	93	94	95
29...	76	--	80	--	82	--	86	97	100
FEB									
03...	100	--	--	--	--	--	--	--	--
03...	--	100	--	--	--	--	--	--	--
03...	--	98	--	100	--	--	--	--	--
03...	--	98	--	100	--	--	--	--	--
03...	--	98	--	99	--	100	--	--	--
03...	29	98	32	100	40	--	97	100	--
MAR									
07...	--	--	--	--	--	--	--	--	--
08...	--	97	--	99	--	100	--	--	--
08...	--	97	--	100	--	--	--	--	--
08...	83	--	91	--	95	--	99	100	--
08...	84	--	96	--	99	--	100	--	--
08...	83	--	95	--	98	--	100	--	--
08...	85	--	97	--	99	--	100	--	--

SUPPLEMENTAL DATA F: BEDLOAD SIZE ANALYSES, WATER YEARS 1971 AND 1975

Station 9, Sunnymead Channel at Alessandro Boulevard, near Sunnymead, Calif. (11070240)

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	NUMBER OF SAMPLING POINTS	STREAMFLOW, INSTANTANEOUS (FT^3/S)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM
NOV												
28...	2230	10.0	1	5.1	1	2	8	29	57	84	96	100
29...	1500	--	2	--	1	2	3	8	37	81	96	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	NUMBER OF SAMPLING POINTS	STREAMFLOW, INSTANTANEOUS (FT^3/S)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM
OCT											
09...	1030	3	.00	2	3	6	22	49	79	96	100

Station 17, Perris Channel Lateral "B" at Perris Boulevard near March Field, Calif. (11070262)

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	NUMBER OF SAMPLING POINTS	STREAMFLOW, INSTANTANEOUS (FT^3/S)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM
NOV 29...	1600	11.0	2	4.7	1	2	26	75	97	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	NUMBER OF SAMPLING POINTS	STREAMFLOW, INSTANTANEOUS (FT^3/S)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM
OCT 09...	1120	3	.00	6	8	14	41	77	95	99	100

Station 21, Perris Channel at Nuevo Road, at Perris Calif. (11070270)

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	NUMBER OF SAMPLING POINTS	STREAMFLOW, INSTANTANEOUS (FT^3/S)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM
OCT 09...	1145	3	.00	1	1	4	43	78	94	99	100

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