

Hydrologic Data for Urban Studies in the Fort Worth, Texas Metropolitan Area, 1975

U.S. GEOLOGICAL SURVEY

Open-file report No. 77-266



Prepared in cooperation with the City of Fort Worth

Hydrologic Data for Urban Studies in the Fort Worth, Texas Metropolitan Area, 1975

R. M. Slade, Jr. and J. M. Taylor

U.S. GEOLOGICAL SURVEY

Open-file report No. 77-266



Prepared in cooperation with the City of Fort Worth

June 1977

CONTENTS

	Page
Introduction-----	6
Watershed features-----	8
Sycamore Creek and Sycamore Creek tributary study areas-----	8
Dry Branch and Little Fossil Creek study areas-----	9
Hydrologic instruments-----	12
Data collection and explanation-----	14
Rainfall-----	14
Runoff-----	14
Summary of data for the 1975 water year-----	17
Compilation of data-----	25
Station description and daily, monthly, and yearly discharge at stream-gaging stations, 1975 water year	
Sycamore Creek at Interstate Highway 35-W, Fort Worth, Tex.----	26
Sycamore Creek tributary above Seminary South Shopping Center, Fort Worth, Tex.-----	27
Sycamore Creek tributary at Interstate Highway 35-W, Fort Worth, Tex.-----	28
Dry Branch at Fain Street, Fort Worth, Tex.-----	29
Little Fossil Creek at Mesquite Street, Fort Worth, Tex.-----	30
Maximum discharge at crest-stage partial-record stations, 1975 water year-----	31
Daily and monthly rainfall summary-----	32
Storm rainfall and runoff records for selected storms at continuous-record stream-gaging stations:	
Sycamore Creek at Interstate Highway 35-W, Fort Worth, Tex.	
Storm of May 23-24, 1975-----	36
Storm of June 8, 1975-----	39
Storm of June 10, 1975-----	42
Sycamore Creek tributary above Seminary South Shopping Center, Fort Worth, Tex.	
Storm of May 11, 1975-----	44
Storm of June 8, 1975-----	46
Storm of Sept. 15, 1975-----	50
Sycamore Creek tributary at Interstate Highway 35-W, Fort Worth, Tex.	
Storm of May 11, 1975-----	52
Storm of June 8, 1975-----	54
Storm of Sept. 15, 1975-----	58
Seminary South Shopping Center, Fort Worth, Tex.	
Storm of May 11, 1975-----	60
Storm of June 8, 1975-----	62
Storm of Sept. 15, 1975-----	65

CONTENTS--Continued

	Page
Compilation of data--Continued	
Storm rainfall and runoff records for selected storms at continuous-record stream-gaging stations--Continued	
Dry Branch at Fain Street, Fort Worth, Tex.	
Storm of April 7-8, 1975-----	67
Storm of July 24-25, 1975-----	70
Little Fossil Creek at Mesquite Street, Fort Worth, Tex.	
Storm of Oct. 30-31, 1974-----	74
Storm of April 7-8, 1975-----	77
Storm of July 24-25, 1975-----	80
Storm rainfall and runoff records for selected storms at crest-stage partial-record stations:	
Dry Branch at Blandin Street, Fort Worth, Tex.	
Storm of April 7-8, 1975-----	83
Storm of June 8, 1975-----	85
Storm of July 24-25, 1975-----	87
Little-Fossil Creek at Interstate Highway 820, Fort Worth, Tex.	
Storm of Nov. 9-10, 1974-----	91
Storm of July 25, 1975-----	94

ILLUSTRATIONS

	Page
Figure 1. Map showing the locations of Sycamore Creek, Sycamore Creek tributary, Dry Branch, and Little Fossil Creek study areas-----	7
2. Map showing the locations of hydrologic- instrument installations in the Sycamore Creek and Sycamore Creek tributary study areas-----	9
3. Map showing the locations of hydrologic- instrument installations in the Dry Branch and Little Fossil Creek study areas-----	13

TABLES

Table 1. Summary of monthly rainfall-runoff relationship for the 1975 water year for the Seminary South Shopping Center and associated drainage area-----	11
2. Equations used to compute weighted-mean rainfall for the area above each continuous-record stream- gaging or crest-stage partial-record station-----	15
3. Storm rainfall-runoff data at streamflow stations, 1975 water year-----	18
4. Storm rainfall-runoff data at crest-stage partial- record stations, 1975 water year-----	21
5. Peak elevations at flood-profile partial-record and continuous-record stations, 1975 water year-----	24

HYDROLOGIC DATA FOR URBAN STUDIES IN THE
FORT WORTH, TEXAS METROPOLITAN AREA

1975

By

R. M. Slade, Jr. and J. M. Taylor
U.S. Geological Survey

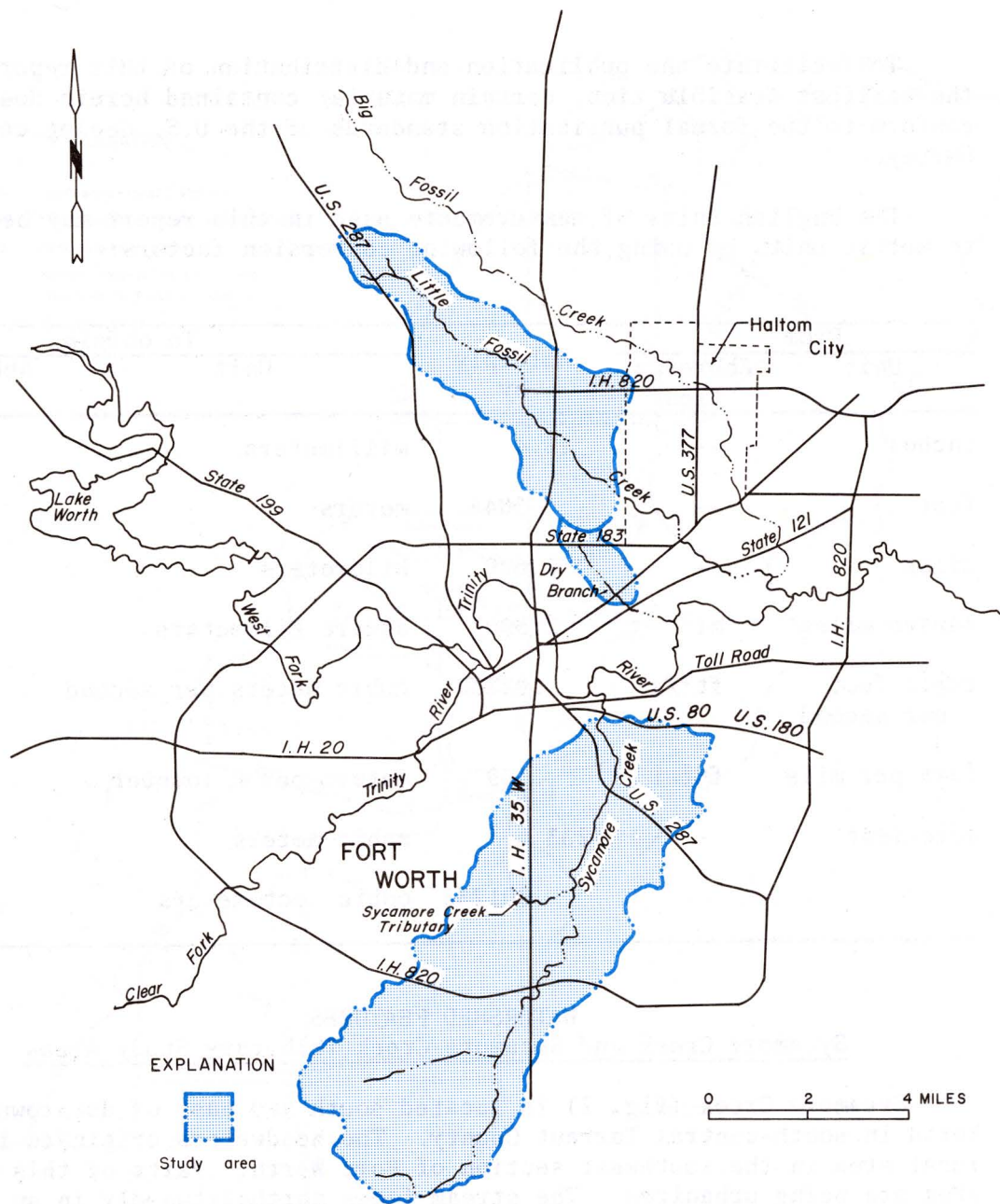
INTRODUCTION

Hydrologic investigations of urban areas in Texas were begun by the U.S. Geological Survey in 1954. These investigations are now in progress in several major metropolitan areas including Austin, Dallas, Dallas County, Houston, and San Antonio.

In October 1968, the Geological Survey, in cooperation with the city of Fort Worth Department of Public Works, began a program of hydrologic investigations on several small streams in Fort Worth. The investigations are designed to evaluate factors affecting floods on small streams in the metropolitan area. Studies of additional streams, one of which drains beneath the impervious area of a shopping center, were added to the program in October 1969. The objectives of the program are:

1. To determine, on the basis of historical data and hydrologic analyses, the magnitude and frequency of floods.
2. To document and define the areal extent of floods of greater than ordinary magnitude.
3. To determine the effect of urban development on flood peaks and volume.

This report is the seventh in a series of reports to be published annually for the Fort Worth area as part of a continuing program. The report presents the basic hydrologic data collected in four study areas during the 1975 water year (October 1, 1974 to September 30, 1975). The four study areas within the metropolitan area are Sycamore Creek, Sycamore Creek tributary, Dry Branch, and Little Fossil Creek (fig. 1). The Sycamore Creek tributary study area includes the highly impervious area of the Seminary South Shopping Center (fig. 1) as a subarea.



Base from General Highway
map of Texas

FIGURE 1.— Locations of Sycamore Creek, Sycamore Creek tributary, Dry Branch, and Little Fossil Creek study areas

To facilitate the publication and distribution of this report at the earliest feasible time, certain material contained herein does not conform to the formal publication standards of the U.S. Geological Survey.

The English units of measurements used in this report may be converted to metric units by using the following conversion factors:

From		Multiply by	To obtain	
Unit	Abbrevia- tion		Unit	Abbrevia- tion
inches	--	25.4	millimeters	mm
feet	--	.3048	meters	m
miles	--	1.609	kilometers	km
square miles	mi ²	2.590	square kilometers	km ²
cubic feet per second	ft ³ /s	.02832	cubic meters per second	m ³ /s
feet per mile	ft/mi	.189	meters per kilometer	m/km
acre-feet	--	1233	cubic meters	m ³
		.001233	cubic hectometers	hm ³

WATERSHED FEATURES

Sycamore Creek and Sycamore Creek Tributary Study Areas

Sycamore Creek (fig. 2) is located south and east of downtown Fort Worth in south-central Tarrant County. The headwaters originate in a rural area in the southwest section of Fort Worth. Parts of this rural area are being urbanized. The stream flows northeastwardly in an open channel and passes beneath Interstate Highway 35-W to southeast Fort Worth. The stream continues its northeasterly course through residential and light industrial sections of the near-east side of Fort Worth and on into the West Fork Trinity River. The creek decreases in altitude from approximately 840 feet above mean sea level at the headwaters to 630 feet at Interstate Highway 35-W, a distance of 8.2 miles. The creek decreases in altitude from 630 feet at Interstate Highway 35-W to 496 feet at U.S. Highways 80 and 180 (0.9 mile upstream from the West Fork Trinity River), a distance of 7.8 miles. The altitude at the mouth of Sycamore Creek is about 489 feet above mean sea level.

- ▲ Continuous-record station
- △ Flood-profile partial-record station
- Recording rain gage
- 2 Number adjacent to station corresponds to those in table 5
- Drainage divide

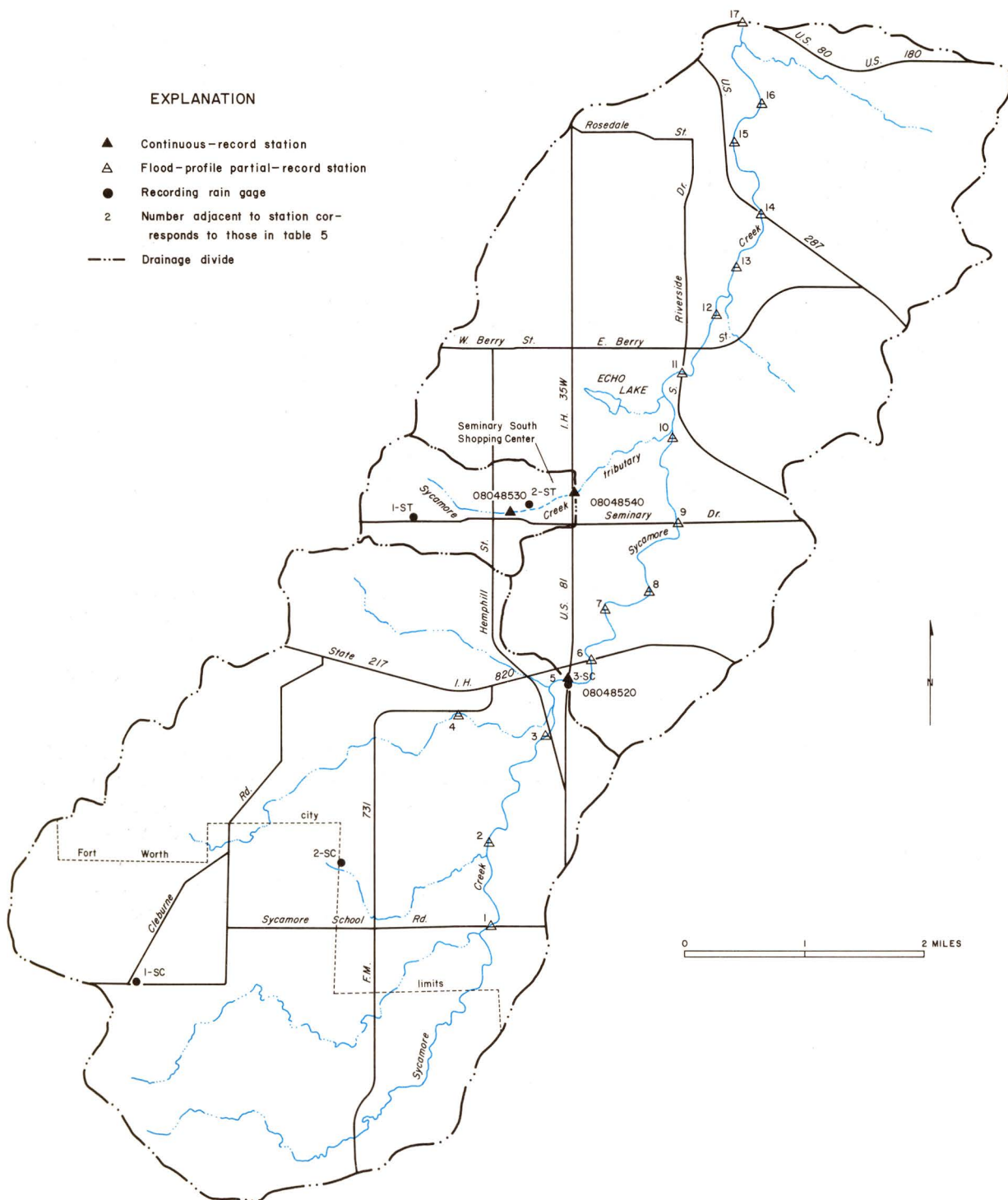


FIGURE 2.—Locations of hydrologic-instrument installations in the Sycamore Creek and Sycamore Creek tributary study areas

Sycamore Creek tributary (fig. 2) is within the Sycamore Creek drainage basin. The tributary is in the south-central section of Fort Worth. The headwaters originate approximately 1.3 miles west of Seminary South Shopping Center (fig. 2). A storm-water drainage system collects runoff from a residential-park area through street-gutter inlets upstream from Hemphill Street (fig. 2). The tributary flows easterly through a system of open channel and pipe-arch and box culverts. Storm water from the shopping center, two peripheral residential-commercial areas, and Interstate Highway 35-W flows into the underground drainage system.

Sycamore Creek tributary decreases in altitude from approximately 760 feet above mean sea level at the headwaters to approximately 647.7 feet at the gaging station above Seminary South Shopping Center, a distance of 1.3 miles. At the western edge of the shopping center and at the entrance of the underground pipe-arch culvert, the altitude changes from 647.7 to 643.8 feet in a distance of about 130 feet. The tributary then decreases in altitude from 643.8 feet at the entrance to 618.7 feet at the downtown side of Interstate Highway 35-W, a distance of approximately 0.7 mile.

The Seminary South Shopping Center contains many retail business establishments, large parking areas, and one high-rise building. The flat roofs of many buildings are topped with aggregate, and considerable storage of water can occur on the rooftops. The drainage system in the center is composed of gutter inlets connected to many subsurface concrete lateral pipes; each pipe feeds a main. The mains drain into a central concrete-arch culvert beneath the center.

The difference in runoff between the gaging stations above (08048530) and below (08048540) the Seminary South Shopping Center is runoff from the shopping center and residential-commercial areas north and south of the shopping center. Approximately one-third of this intervening drainage area consists of the Seminary South Shopping Center, and the remaining two-thirds consists of the residential-commercial areas. Monthly rainfall and runoff data of the shopping center and associated drainage area are presented in table 1.

Table 1.--Summary of monthly rainfall-runoff relationship for the 1975 water year for the Seminary South Shopping Center and associated drainage area

Month	(2-ST) Rainfall (inches)	Runoff (inches) <u>1/</u>	Ratio of runoff to rainfall <u>1/</u>
<u>1974</u>			
October	5.27	2.17	0.41
November	2.19	1.14	.52
December	1.37	.46	.34
<u>1975</u>			
January	3.30	2.36	.72
February	2.32	<u>2/</u> 2.93	<u>2/</u> 1.26
March	1.33	.47	.35
April	3.62	2.01	.56
May	6.29	3.81	.61
June	3.23	2.66	.82
July	2.83	1.47	.52
August	2.27	1.23	.54
September	1.57	.95	.61
Totals	35.59	21.66	0.61

1/ Data unadjusted for sustained low-flow effluents from the shopping center.

2/ Part of this runoff was carried over into this month from the last day of the previous month.

Dry Branch and Little Fossil Creek Study Areas

Dry Branch (fig. 3) is located in the northeast part of Fort Worth in Tarrant County. The headwaters originate 1.3 miles northwest of the Fort Worth Refinery. The stream upstream from the refinery flows southeasterly in an open channel and through a culvert beneath the refinery. Downstream from the refinery the stream flows southeastwardly through a residential section for about 3.0 miles to the West Fork Trinity River. The stream decreases in altitude from approximately 635 feet above mean sea level at the headwaters above the Fort Worth Refinery to 583.7 feet at Blandin Street, a distance of 1.8 miles. The stream then decreases in altitude from 583.7 feet above mean sea level at Blandin Street to 537.5 feet at Fain, a distance of 1.7 miles.

Little Fossil Creek (fig. 3) is located north of downtown Fort Worth in north-central Tarrant County. The headwaters originate in a rural area northwest of Saginaw, and the stream flows in an open channel southeasterly past Saginaw, through the Greater Southwest Corporation Industrial Park, and into the northeastern part of Fort Worth. The stream continues its southeasterly course from Fort Worth through Haltom City to Big Fossil Creek, and on into the West Fork Trinity River (fig. 1). The creek decreases in altitude from approximately 810 feet above mean sea level at the headwaters north of Saginaw to approximately 610 feet at the downstream side of Interstate Highway 820 in northeast Fort Worth, a distance of 6.0 miles. The stream then decreases in altitude from approximately 610 feet at the downstream side of Interstate Highway 820 to 548.6 feet at Mesquite Street, a distance of 3.3 miles.

HYDROLOGIC INSTRUMENTS

Instruments to collect rainfall, runoff, and flood-profile data in the Sycamore Creek study area consist of 3 recording rain gages, 1 continuous-record stream-gaging station, and 16 flood-profile partial-record gages.

Instruments to collect rainfall and runoff data in the Sycamore Creek tributary study area consist of two recording rain gages and two continuous-record stream-gaging stations.

Instruments to collect rainfall, runoff, and flood-profile data in the Dry Branch study area consist of 2 recording rain gages, 1 continuous-record stream-gaging station, 1 crest-stage partial-record station, and 18 flood-profile partial-record gages.

Instruments to collect rainfall, runoff, and flood-profile data in the Little Fossil Creek study area consist of 3 recording rain gages, 1 continuous-record stream-gaging station, 1 crest-stage partial-record station, and 12 flood-profile partial-record gages.

In the Little Fossil Creek and Dry Branch basins, three supplemental crest-stage flood-profile stations are located downstream from the study areas to provide additional floodflow elevations in the vicinity of the gaging stations.

Locations of hydrologic instruments in the study areas are shown on figures 2 and 3. Pertinent individual station information is included in the section "Compilation of data".

DATA COLLECTION AND EXPLANATION

Rainfall

Ten recording rain gages distributed throughout the four study areas provide a measure of total rainfall and are used to define rainfall intensities.

In this report, rainfall is compiled on a daily basis to facilitate comparison with the National Weather Service records, comparisons among study-area rain gages, and potential use in mathematical rainfall-runoff models.

Weighted-mean rainfall for a study area is determined by the Thiessen method using gages located within a particular drainage boundary. In some areas, the Thiessen weight values are nearly equal and rainfall amounts are arithmetically averaged. Equations used to compute weighted-mean rainfall for the area above each continuous-record stream-gaging or crest-stage partial-record station are summarized in table 2.

Runoff

Runoff data are based on discharge measurements and stage records at seven stream-gaging locations and peak elevations at 46 flood-profile locations. Of the seven stream-gaging locations, five are continuous-record stream-gaging stations and two are crest-stage partial-record gaging stations.

Table 2.--Equations used to compute weighted-mean rainfall for the area above each continuous-record stream-gaging or crest-stage partial-record station

Station	USGS gage identification No.	Weighted-mean rainfall equation
Sycamore Creek at Interstate Highway 35-W	08048520	$(0.33)(1-SC) + (0.48)(2-SC) + (0.19)(3-SC)$
Sycamore Creek tributary above Seminary South Shopping Center	08048530	$(0.78)(1-ST) + (0.22)(2-ST)$
Sycamore Creek tributary at Interstate Highway 35-W	08048540	$(0.56)(1-ST) + (0.44)(2-ST)$
Seminary South Shopping Center	--	$(1.00)(2-ST)$
Dry Branch at Blandin Street	08048550	$(1.00)(1-DB)$
Dry Branch at Fain Street	08048600	$(0.50)(1-DB) + (0.50)(2-DB)$
Little Fossil Creek at Interstate Highway 820	08048820	$(0.76)(1-LF) + (0.24)(2-LF)$
Little Fossil Creek at Mesquite Street	08048850	$(0.34)(1-LF) + (0.25)(2-LF) + (0.41)(3-LF)$

Note: For locations of stations by the U.S. Geological Survey Identification Number, see figs. 2 and 3. Rain-gage designations are SC-Sycamore Creek area, ST-Sycamore Creek tributary area, DB-Dry Branch area, and LF-Little Fossil Creek area; for rain gage locations, see figs. 2 and 3.

A water-stage recorder at a continuous-record stream-gaging station records the full range in stage, which together with measurements of streamflow allows the computation of total runoff at the station.

A water-stage recorder at a crest-stage partial-record gaging station records only stages above a selected elevation, which together with measurements of streamflow allows computation of the upper part of the runoff hydrograph. These stations are located at sites where limited streamflow data collected systematically over a period of years are needed.

A crest-stage flood-profile gage, located at selected sites along the stream or on tributaries, records the peak water stage reached during the passage of a flood.

The purpose of the two continuous-record stream-gaging stations, located in the Sycamore Creek tributary basin (fig. 2), is (1) to collect hydrologic data from the residential-park area west of Seminary South Shopping Center (upstream station), and (2) to collect hydrologic data from both the residential-park area and the shopping center (downstream station). The difference in runoff between these two stations equals the runoff from the impervious area of the shopping center and associated drainage area. Sustained low-flow occurs as a result of industrial effluents.

Information on monthly runoff (volumetric) and selected individual storm runoff from the shopping center is presented in later sections of this report. Analyses of an individual storm at the shopping center requires routing the discharge shown by the upstream hydrograph to the downstream station by using estimated travel times of 5 to 50 minutes (depending upon upstream discharge). It is assumed that little or no attenuation of upstream discharge occurs. The routed discharges are deducted from the downstream discharges; these differences equal the discharges (estimated) from the impervious area of the shopping center and associated drainage area. Table 1 presents a summary of rainfall-runoff relationships for the current year at Seminary South Shopping Center.

SUMMARY OF DATA FOR THE 1975 WATER YEAR

Each year, storm events that will be useful in achieving the objectives of the study are selected for detailed rainfall-runoff analysis. The event during which the annual maximum discharge occurs is usually included in the selection. A digital computer was used to aid in the processing of some of the individual-station storm data.

During the 1975 water year, storms selected for analysis occurred on May 23-24, June 8, and June 10, 1975 in the Sycamore Creek basin; May 11, June 8, and September 15, 1975 in the Sycamore Creek tributary basin; April 7-8, June 8, and July 24-25, 1975 in the Dry Branch basin; October 30-31, November 9-10, 1974, April 7-8, and July 24-25, 1975 in the Little Fossil Creek basin.

Summaries of storm rainfall-runoff data for selected individual storms at streamflow stations and crest-stage partial-record stations are given in tables 3 and 4, respectively. Detailed storm rainfall and runoff records, hydrographs, and mass curves for each station are shown in the section "Compilation of data".

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY-TEXAS DISTRICT

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 3.--Storm rainfall-runoff data, at streamflow stations,
1975 water year

Date of Storm	Rainfall (inches)					Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
	Duration (hours)	Total	Maximum increment					
			15-minute	30-minute	60-minute			

08048520 Sycamore Creek at Interstate Highway 35-W, Fort Worth, Tex.
(Drainage area, 17.7 mi²)

May 23-24, 1975	39	1.54	0.28	0.50	0.69	0.56	0.36	1,120
June 8, 1975	17	2.47	.51	.75	1.16	1.01	.41	1,990
June 10, 1975	3.5	.97	.16	.31	.44	.61	.63	885

08048530 Sycamore Creek tributary above Seminary South Shopping Center, Fort Worth, Tex.
(Drainage area, 0.97 mi²)

May 11, 1975	4.3	1.62	.60	1.01	1.34	.29	.18	245
June 8, 1975	17	1.95	.55	.86	1.09	.53	.27	316
Sept. 15, 1975	4.0	.92	.45	.67	.71	.20	.22	259

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY-TEXAS DISTRICT

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 3.--Storm rainfall-runoff data, at streamflow stations,
1975 water year--Continued

Date of Storm	Rainfall (inches)					Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
	Duration (hours)	Total	Maximum increment					
			15-minute	30-minute	60-minute			

08048540 Sycamore Creek tributary at Interstate Highway 35-W, Fort Worth, Tex.
(Drainage area, 1.35 mi²)

May 11, 1975	4.3	1.53	0.50	0.88	1.26	0.43	0.28	506
June 8, 1975	17	1.95	.59	.91	1.13	.75	.38	599
Sept. 15, 1975	4.0	1.04	.46	.79	.86	.34	.33	665

Seminary South Shopping Center and associated drainage area, Fort Worth, Tex.
(Drainage area, 0.38 mi²)

May 11, 1975	4.5	1.28	.44	.81	1.03	.77	.60	309
June 8, 1975	17	1.96	.69	1.05	1.25	1.31	.67	343
Sept. 15, 1975	4.5	1.35	.74	1.10	1.19	.69	.51	406

TX-35
6/69

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY-TEXAS DISTRICT

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 3.--Storm rainfall-runoff data, at streamflow stations,
1975 water year--Continued

Date of Storm	Rainfall (inches)					Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
	Duration (hours)	Total	Maximum increment					
			15-minute	30-minute	60-minute			
08048600 Dry Branch at Fain Street, Fort Worth, Tex. (Drainage area, 2.15 mi ²)								
April 7-8, 1975	22	2.97	0.32	0.59	0.89	1.26	0.42	206
July 24-25, 1975	32	6.67	.66	1.03	1.52	2.88	.43	447
08048850 Little Fossil Creek at Mesquite Street, Fort Worth, Tex. (Drainage area, 12.3 mi ²)								
Oct. 30-31, 1974	22	2.53	.26	.40	.63	1.60	.65	1,580
April 7-8, 1975	23	2.89	.27	.53	.79	.92	.52	864
July 24-25, 1975	32	5.94	.99	1.43	2.05	2.26	.58	5,360

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY-TEXAS DISTRICT

ANNUAL STORM RAINFALL-RUNOFF SUMMARY DATA

Table 4 .--Storm rainfall-runoff data, at crest-stage partial-record stations,
1975 water year

Date of Storm	Rainfall (inches)					Runoff (inches)	Ratio runoff to rainfall	Maximum discharge (cfs)
	Duration (hours)	Total	Maximum increment					
			15-minute	30-minute	60-minute			

08048550 Dry Branch at Blandin Street, Fort Worth, Tex.
(Drainage area, 1.08 mi²)

April 7-8, 1975	5.0	1.14	0.27	0.52	0.81	0.82	0.72	246
June 8, 1975	17	1.10	.41	.75	1.01	.27	.25	157
July 24-25, 1975	32	7.78	.77	1.31	1.78	4.76	.61	570

08048820 Little Fossil Creek at Interstate Highway 820, Fort Worth, Tex.
(Drainage area, 5.64 mi²)

Nov. 9-10, 1974	19	1.55	.10	.17	.25	.94	.61	457
July 25, 1975	20	3.81	.98	1.42	2.01	1.09	.29	1,260

Yearly rainfall and runoff for the 1975 water year for the study areas with continuous-record gaging stations in the Fort Worth metropolitan area are summarized in the following table:

Station	Yearly mean rainfall (inches)	Yearly runoff (inches)	Ratio of runoff to rainfall
Sycamore Creek at Inter- state Highway 35-W (08048520)	34.85	13.00	0.37
Sycamore Creek tributary above Seminary South Shopping Center (08048530)	38.25	11.91	.31
Sycamore Creek tributary at Interstate Highway 35-W (08048540)	37.46	14.65	.39
Seminary South Shopping Center and associated drainage area	35.59	21.65	.61
Dry Branch at Fain Street (08048600)	38.15	14.23	.37
Little Fossil Creek at Mesquite Street (08048850)	37.30	11.07	.30

NOTE: See "Remarks" paragraph of station descriptions in the section "Compilation of data" for information about regulation or diversion.

Other data, including daily and monthly rainfall and daily and monthly runoff for the 1975 water year, are included in the section "Compilation of data." In addition, flood-profile data for storms during the water year are listed in table 5.

Table 5.--Peak Elevations at flood-profile partial-record and continuous-record stations, 1975 Water Year.

Map no.	Station no.	Station name and location of floodmark 1/	Drainage area (mi ²)	Distance above mouth (miles) 2/	Flood elevations				
					Oct. 31, 1974	Jan. 31-Feb. 1 1975	Apr. 7-8 1975	June 8, 1975	July 25, 1975
		<u>Sycamore Creek basin</u>							
1		Sycamore Creek at Sycamore School Road-UsLb	-	11.5	691.95	692.67	692.46	-	692.43
2		Sycamore Creek near intersection of Trimble Drive and Hallmark Drive (Hallmark Addition)-Lb	-	10.5					
3		Sycamore Creek at Hemphill Street-UsRb	-	9.2	673.91	675.63	674.96	-	674.33
4		Sycamore Creek tributary at Sycamore Creek Road-UsLb	-	-	646.8	648.5	-	-	646.7
			-	-	-	668.93	670.07	-	670.50
5	08048520*	Sycamore Creek at Interstate Highway 35W-UsLb	17.7	8.7	633.36	634.42	635.53	635.76	632.55
6		Sycamore Creek at Interstate Highway 820-DsRb	-	8.3	626.3	629.37	628.96	628.80	626.99
7		Sycamore Creek at Oak Grove Road-DsLb	-	7.7	614.5	617.32	616.94	616.63	615.1
8		Sycamore Creek below Missouri-Pacific RR-1,500 ft DsLb	-	7.2	-	604.2	604.90	-	602.33
9		Sycamore Creek at Seminary Drive-UsRb	-	6.3	-	586.3	586.1	-	586.41
10		Sycamore Creek at Butler Street (extension)-225 ft DsLb	-	5.5	-	569.87	570.20	569.31	568.3
11		Sycamore Creek at Riverside Drive-UsRb	-	4.8	-	-	-	-	-
12		Sycamore Creek at Glen Garden Drive-UsRb	-	4.2	-	553.63	-	-	551.5
13		Sycamore Creek in Cobb Park midway between Glen Garden Drive and U.S. Highway 287-Lb	-	3.7	-	-	-	-	540.55
14		Sycamore Creek at U.S. Highway 287-DsRb	-	3.0	534.2	538.79	536.84	536.19	534.5
15		Sycamore Creek at West Rosedale Street-DsRb	-	2.2	521.3	-	-	-	521.98
16		Sycamore Creek at Vickery Boulevard-UsLb	-	1.7	-	518.01	519.81	-	517.97
17		Sycamore Creek at Lancaster Avenue-UsLb	-	.9	-	505.34	504.51	-	501.34
		<u>Dry Branch basin</u>							
1		Dry Branch at Texas and Pacific RR Spur-Rb	-	3.41	-	-	-	-	598.65
2		Dry Branch at Grace Street-DsLb	-	2.86	587.42	587.36	587.68	587.09	591.71
3	08048550†	Dry Branch at Blandin Street-24 ft UsLb	1.08	2.82	586.62	586.51	586.89	586.27	591.59
4		Dry Branch at Blandin Street-DsLb	-	2.80	586.41	586.41	586.79	586.08	591.36
5		Dry Branch at Hollis Street-60 ft UsRb	-	2.52	583.24	-	584.30	-	591.3
6		Dry Branch at Hollis Street-10 ft DsLb	-	2.49	580.93	-	581.58	-	589.6
7		Dry Branch at Selma Street-120 ft UsLb	-	2.38	-	-	581.27	-	588.9
8		Dry Branch at Springdale-DsRb	-	2.18	-	568.46	570.48	568.14	576.4
9		Dry Branch at Bonnie Brae-80 ft UsLb	-	2.07	-	567.64	568.89	-	574.98
10		Dry Branch between Bonnie Brae and Aster Court -100 ft UsRb	-	1.98	-	565.77	566.82	565.37	572.7
11		Dry Branch at Carnation Street-20 ft UsRb	-	1.89	-	563.45	565.03	563.44	572.4
12		Dry Branch at Carnation Street-100 ft DsLb	-	1.85	-	562.87	-	-	569.6
13		Dry Branch at Robinwood Street-150 ft UsRb	-	1.65	558.91	560.84	564.21	-	567.19
14		Dry Branch between Robinwood and Yucca Streets -150 ft UsLb	-	1.56	-	-	561.19	-	563.26
15		Dry Branch between Yucca and Belknap Streets-Rb	-	1.46	-	-	553.1	-	557.34
16		Dry Branch at Beach Street-UsLb	-	1.29	-	543.62	544.08	544.10	547.56
17		Dry Branch at Beach Street-DsRb	-	1.23	543.42	542.93	543.11	542.91	545.17
18	08048600*	Dry Branch at Fain Street-UsRb	2.15	1.08	541.47	541.17	541.35	540.72	543.37
19		Dry Branch at Fain Street-DsRb	-	1.06	539.64	-	539.64	539.56	541.25
20		Dry Branch at State Highway 121-UsLb	-	.99	-	537.56	537.85	-	540.02
		<u>Little Fossil Creek basin</u>							
1		Little Fossil Creek at Cantrell-Samson Roads-DsLb	-	8.42	641.29	639.66	640.77	-	640.17
2		Little Fossil Creek at Interstate Highway 820-UsRb	-	7.73	618.81	617.59	618.34	-	618.82
3	08048820†	Little Fossil Creek at Interstate Highway 820-DsRb	5.64	7.55	615.05	613.77	614.47	-	615.69
4		Little Fossil Creek at Old Denton Road-DsRb	-	7.14	604.78	604.86	604.30	-	607.46
5		Little Fossil Creek at Interstate Highway 35W-UsRb	-	6.35	593.57	592.11	592.69	-	595.3
6		Little Fossil Creek at Interstate Highway 35W-DsLb	-	6.26	592.48	591.65	591.95	-	594.44
7		Little Fossil Creek at Watauga (Sylvania Avenue)-UsLb	-	5.93	584.62	585.96	586.57	-	588.6
8		Little Fossil Creek midway between Watauga Road and St. Louis Southwestern RR-Rb	-	5.50	-	-	-	-	579.0
9		Little Fossil Creek at St. Louis Southwestern RR-DsRb	-	5.12	569.93	570.50	570.31	-	574.35
10		Little Fossil Creek tributary at St. Louis Southwestern RR-DsRb	-	-	-	574.30	574.36	-	576.55
11		Little Fossil Creek at Texas & Pacific RR-30 ft DsLb	-	4.54	560.94	560.31	559.81	-	563.0
12	08048850*	Little Fossil Creek at Mesquite Street-Rb	12.3	4.24	556.64	555.38	555.09	-	560.84
13		Little Fossil Creek at Beach Street-UsRb	-	4.20	556.50	555.40	555.14	-	561.21
14		Little Fossil Creek at Beach Street-DsRb	-	4.11	553.88	553.36	553.05	-	559.84

* Continuous record station.

† Crest-stage partial-record station.

1/ Legend to location of floodmark: Ds-downstream; Us-upstream; Lb-left bank; Rb-right bank.

2/ Distances above mouth in Dry Branch basin from report "Drainage Master Plan for City of Fort Worth, Public Works Department Dry Branch Watershed," March 1967, by Knowlton-Ratliff-English, Consulting Engineers.

TRINITY RIVER BASIN

08048520 Sycamore Creek at Interstate Highway 35-W, Fort Worth, Tex.

LOCATION.--Lat 32°39'55", long 97°19'16", Tarrant County, on left bank at upstream side of bridge on frontage road on upstream side of Interstate Highway 35-W, 5.8 miles (9.3 km) south of Fort Worth City Hall, and 8.9 miles (14.3 km) upstream from mouth.

DRAINAGE AREA.--17.7 mi² (45.8 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--6 years, 9.71 ft³/s (0.275 m³/s), 7.45 in/yr (189 mm/yr), 7,030 acre-ft/yr (8.67 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,990 ft³/s (56.4 m³/s) June 8 (elevation, 635.76 ft or 193.780 m); no flow at times.
Period of record: Maximum discharge, 5,450 ft³/s (154 m³/s) Oct. 19, 1971 (elevation, 639.77 ft or 195.002 m); no flow at times.
Flood of May 6, 1969, reached an elevation of 640.1 ft (195.10 m), from floodmarks (discharge, 5,800 ft³/s or 164 m³/s). Flood in 1908 reached an elevation of 645.9 ft (196.87 m), and flood in 1938 reached an elevation of 644.4 ft (196.41 m), from information by State Highway Department.

REMARKS.--Records good above 60 ft³/s (1.70 m³/s) and fair below. Flow is slightly affected by several small farm ponds on tributaries above station. At times, low flow may be sustained by effluents from commercial establishments. Two recording rain gages are operated in basin above this station, and one recording rain gage is located at station.

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	1.3	28	3.2	5.0	796	3.5	2.4	1.5	10	.24	.10	.02
2	.97	14	3.0	22	81	3.1	2.1	18	6.4	.19	.06	.01
3	.86	11	2.9	12	67	2.7	1.3	3.9	4.7	6.5	.10	.01
4	.78	34	2.6	6.7	52	2.4	1.3	2.7	3.9	3.9	4.4	.01
5	.47	13	2.4	5.0	30	2.7	1.0	1.8	2.7	1.0	.24	0
6	.40	9.2	5.6	3.9	15	3.5	1.0	1.5	2.4	.38	.12	0
7	.34	13	2.9	3.9	12	2.7	235	.86	2.1	.15	.06	0
8	.30	11	1.6	3.1	12	2.1	382	.70	331	.10	.06	0
9	.30	12	1.1	3.5	8.3	2.7	21	.58	149	.08	.06	0
10	.25	252	23	6.1	8.3	2.7	14	.47	268	.10	.02	0
11	.24	27	17	2.3	7.9	2.4	10	74	24	.10	.02	0
12	.18	14	7.2	1.6	6.3	3.9	7.9	13	12	.08	.02	0
13	.95	12	5.0	1.7	6.1	12	17	5.4	8.3	.08	.02	.02
14	233	8.9	3.9	1.6	6.1	3.9	12	13	6.1	.04	.01	.01
15	29	7.6	2.9	1.6	5.7	4.4	7.9	5.4	5.0	.02	.01	20
16	7.9	7.6	2.1	1.3	5.0	4.4	6.1	3.1	4.4	.02	.01	2.4
17	5.4	7.5	1.6	1.2	5.7	3.5	5.0	2.1	3.1	.02	.01	.24
18	3.2	6.8	1.5	1.1	4.7	7.2	5.0	1.5	2.4	.02	.01	.15
19	2.2	6.8	1.3	1.5	4.4	3.1	3.9	1.3	1.5	.02	.01	.11
20	1.6	5.8	1.2	1.1	4.4	2.7	3.9	32	1.5	.01	0	.07
21	1.1	4.8	.88	.86	4.4	1.8	3.5	9.0	1.3	.01	0	.07
22	.76	4.4	.86	.75	4.4	1.8	3.1	4.4	1.0	0	2.4	.21
23	.58	11	1.1	.68	14	1.8	3.9	230	.86	0	.58	.17
24	1.5	12	1.1	.65	7.2	1.0	3.1	23	.58	1.3	.08	.09
25	3.0	5.8	.88	.86	5.0	1.0	2.7	11	.47	119	.03	.04
26	1.0	4.9	8.2	.78	4.4	16	2.7	5.7	.47	6.4	8.2	.04
27	.72	4.0	3.8	.58	3.5	25	1.5	4.7	.38	1.8	.86	.02
28	77	3.1	2.9	.58	3.1	8.3	15	339	.30	.68	.20	.01
29	17	7.4	4.0	.58	---	3.9	4.4	157	.24	.34	.10	0
30	23	5.3	3.8	.92	---	3.1	3.1	41	.38	.23	.06	0
31	301	---	10	512	---	2.4	---	15	---	.15	.03	---
TOTAL	716.30	563.9	129.52	605.44	1183.9	141.7	782.8	1022.61	854.48	142.96	17.88	23.70
MEAN	23.1	18.8	4.18	19.5	42.3	4.57	26.1	33.0	28.5	4.61	.58	.79
MAX	301	252	23	512	796	25	382	339	331	119	8.2	20
MIN	.18	3.1	.86	.58	3.1	1.0	1.0	.47	.24	0	0	0
CFSM	1.31	1.06	.24	1.10	2.39	.26	1.47	1.86	1.61	.26	.03	.04
IN.	1.51	1.19	.27	1.27	2.49	.30	1.65	2.15	1.80	.30	.04	.05
AC-FT	1420	1120	257	1200	2350	281	1550	2030	1690	284	35	47
(††)	5.06	2.28	1.15	3.58	2.41	1.50	3.48	6.24	3.51	3.32	1.26	1.06

CAL YR 1974	TOTAL	3318.02	MEAN	9.09	MAX	312	MIN	0	CFSM	.51	IN	6.97	AC-FT	6580	††	32.65
WTR YR 1975	TOTAL	6185.19	MEAN	16.9	MAX	796	MIN	0	CFSM	.95	IN	13.00	AC-FT	12270	††	34.85

PEAK DISCHARGE (BASE, 800 FT³/S)

DATE	TIME	ELEV.	DISCHARGE	DATE	TIME	ELEV.	DISCHARGE
1-31	0515	634.42	1,220	5-23	0815	634.21	1,120
2-1	0345	635.22	1,650	5-28	0630	634.18	1,110
4-7	1645	633.93	993	6-8	2045	635.76	1,990
4-8	0100	635.53	1,840	6-10	0545	633.72	885

†† Weighted-mean rainfall, in inches, based on three rain gages.

TRINITY RIVER BASIN

08048530 Sycamore Creek tributary above Seminary South Shopping Center, Fort Worth, Tex.

LOCATION.--Lat 32°41'08", long 97°19'44", Tarrant County, on right bank near entrance to culvert under Missouri, Kansas, and Texas Railroad, 0.2 mile (0.3 km) northeast of intersection of Hemphill Street and Seminary Drive in Fort Worth, 1.8 miles (2.9 km) upstream from mouth, and 4.5 miles (7.2 km) south of Fort Worth City Hall.

DRAINAGE AREA.--0.97 mi² (2.51 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder with concrete weir and culvert control. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--6 years, 0.67 ft³/s (0.0190 m³/s), 9.38 in/yr (238 mm/yr), 485 acre-ft/yr (598,000 m³/yr).

EXTREMES.--Current year: Maximum discharge, 355 ft³/s (10.1 m³/s) Apr. 7 (elevation, 652.83 ft or 198.983 m); minimum daily, 0.02 ft³/s (0.001 m³/s) July 19-22, Aug. 17, Sept. 14.

Period of record: Maximum discharge, 584 ft³/s (16.5 m³/s) Oct. 19, 1971 (elevation, 655.49 ft or 199.793 m); no flow at times in July and August 1970.

Maximum stage since 1966, about 656.0 ft (199.95 m) in August 1966 (discharge not determined), from information by local resident.

REMARKS.--Records poor prior to Mar. 25 and good thereafter. Low flow is sustained by effluent from commercial establishments above station. One recording rain gage is operated in basin above station, and one is located below station in Seminary South Shopping Center. Records of precipitation and hydrologic data for selected storms are published elsewhere in basic-data reports.

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	.16	.76	.15	.25	19	.21	.20	.07	.43	.07	.05	.03
2	.13	.44	.18	2.1	2.5	.21	.14	2.0	.20	.13	.06	.04
3	.16	.36	.15	.39	1.8	.52	.14	.11	.17	.16	1.8	.06
4	.15	2.0	.18	.29	1.5	.18	.14	.09	.15	.31	.89	.06
5	.12	.38	.54	.34	.83	.18	.14	.09	.15	.04	.07	.06
6	.12	.30	.22	.25	.52	.18	.11	.08	.15	.04	.06	.06
7	.20	.89	.15	.21	.52	.18	24	.07	.13	.05	.04	.03
8	.13	.25	.12	.30	.52	.15	10	.07	.14	.06	.04	.05
9	.12	1.7	.10	.55	.38	.52	.58	.07	.64	.06	.04	.06
10	.17	8.4	2.7	.34	.38	.15	.77	.07	12	.25	2.4	.04
11	.16	.83	.39	.21	.38	.18	.32	7.6	.66	.06	.05	.04
12	.15	.52	.25	.18	.34	.56	.32	.14	.54	.04	.05	.04
13	2.4	.39	.34	.15	.34	1.4	1.8	.88	.38	.04	.05	.16
14	12	.43	.29	.15	.34	.19	.32	.61	.21	.04	.05	.02
15	.53	.34	.21	.15	.29	.58	.26	.39	.20	.07	.03	5.1
16	.30	.34	.21	.18	.34	.24	.20	.10	.20	.06	.05	.08
17	.21	.30	.21	.17	.25	.76	.15	.09	.18	.04	.02	.04
18	.19	.29	.21	.15	.25	.34	.15	.07	.13	.06	.03	.04
19	.15	.29	.18	.25	.25	.21	.15	.07	.09	.02	.04	.05
20	.15	.25	.18	.18	.25	.19	.15	3.1	.09	.02	.04	.05
21	.15	.21	.18	.13	.25	.21	.20	.12	.09	.02	.05	.16
22	.15	.21	.18	.10	.29	.21	.11	.09	.09	.02	5.6	.03
23	.17	.50	.18	.14	1.6	.20	.11	10	.09	.09	.05	.04
24	.62	.21	.18	.26	.27	.18	.11	.41	.08	1.9	.03	.04
25	.20	.47	.41	.15	.25	.18	.09	.15	.08	12	.06	.04
26	.18	.18	1.2	.15	.22	2.4	.09	.11	.19	.12	.24	.04
27	.17	.32	.25	.15	.21	1.7	.07	2.1	.08	.08	.15	.05
28	5.2	.18	.58	.16	.21	.30	1.1	15	.31	.05	.05	.05
29	.34	1.0	.21	.11	---	.23	.21	9.5	.07	.39	.03	.06
30	2.5	.18	.38	.36	---	.15	.09	.77	.06	.09	.04	.03
31	11	---	.70	18	---	.14	---	.58	---	.08	.05	---
TOTAL	38.38	22.92	11.41	26.50	34.28	13.03	42.22	54.60	31.84	16.46	12.21	6.65
MEAN	1.24	.76	.37	.85	1.22	.42	1.41	1.76	1.06	.53	.39	.22
MAX	12	8.4	2.7	18	19	2.4	24	15	14	12	5.6	5.1
MIN	.12	.18	.10	.10	.21	.14	.07	.07	.06	.02	.02	.02
CFSM	1.28	.78	.38	.88	1.26	.43	1.45	1.81	1.09	.55	.40	.23
IN.	1.47	.88	.44	1.02	1.31	.50	1.62	2.09	1.22	.63	.47	.26
AC-FT	76	45	23	53	68	26	84	108	63	33	24	13
(††)	6.15	2.78	1.64	3.56	2.53	1.49	3.85	6.80	3.11	3.11	2.07	1.16

CAL YR 1974	TOTAL	219.36	MEAN	.60	MAX	18	MIN	.02	CFSM	.62	IN	8.41	AC-FT	435	††	36.95
WTR YR 1975	TOTAL	310.50	MEAN	.85	MAX	24	MIN	.02	CFSM	.88	IN	11.91	AC-FT	616	††	38.25

PEAK DISCHARGE (BASE, 200 FT³/S)

DATE	TIME	ELEV.	DISCHARGE	DATE	TIME	ELEV.	DISCHARGE
10-14	0920	unknown	about	5-28	0540	651.79	228
4-7	2345	652.83	355	5-29	0840	651.73	222
5-11	1020	651.94	243	6-8	1920	652.56	316
5-23	0745	651.67	216	9-15	1945	652.09	259

†† Weighted-mean rainfall, in inches, based on two rain gages.

NOTE.--No elevation record Jan. 9 to Mar. 25.

TRINITY RIVER BASIN

08048540 Sycamore Creek tributary at Interstate Highway 35-W, Fort Worth, Tex.

LOCATION.--Lat 32°41'18", long 97°19'11", Tarrant County, on left bank at culvert on downstream side of access road to Interstate Highway 35-W, 0.3 mile (0.5 km) north of Seminary Drive in Fort Worth, 1.2 miles (1.9 km) upstream from mouth, and 4.3 miles (6.9 km) south of Fort Worth City Hall.

DRAINAGE AREA.--1.35 mi² (3.50 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--6 years, 1.17 ft³/s (0.0331 m³/s), 11.77 in/yr (299 mm/yr), 848 acre-ft/yr (1.05 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 665 ft³/s (18.8 m³/s) Sept. 15 (elevation, 624.40 ft or 190.317 m); minimum daily, 0.04 ft³/s (0.001 m³/s) for many days.

Period of record: Maximum discharge, 1,100 ft³/s (31.2 m³/s) Oct. 19, 1971 (elevation, 628.41 ft or 191.539 m); minimum daily, 0.01 ft³/s (0.0003 m³/s) for many days in 1970-71.

Maximum elevation since 1969, that of Oct. 19, 1971. Flood in May 1969 reached an elevation of 627.2 ft (191.17 m), from floodmarks.

REMARKS.--Records fair. Records include runoff from a shopping center. Low flows are sustained by effluents. Two recording rain gages are operated in basin above station.

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	.24	1.1	.19	.32	.42	.27	.24	.10	.45	.12	.09	.10
2	.24	.60	.23	3.3	4.0	.27	.17	3.7	.38	.16	.28	.17
3	.20	.48	.19	.52	2.9	.73	.17	.26	.32	.20	3.6	.22
4	.19	3.1	.22	.38	2.2	.23	.15	.19	.27	.45	2.5	.20
5	.15	.51	.76	.45	1.2	.23	.15	.16	.27	.12	.09	.07
6	.15	.40	.28	.32	.72	.23	.15	.15	.23	.12	.09	.07
7	.26	1.3	.19	.27	.72	.23	34	.15	.23	.12	.10	.17
8	.17	.32	.16	.40	.72	.19	16	.15	.27	.09	.05	.18
9	.15	2.6	.15	.77	.52	.72	.68	.15	1.5	.09	.05	.17
10	.21	14	4.3	.45	.52	.19	1.0	.15	23	.32	2.5	.18
11	.20	1.2	.53	.27	.52	.22	.38	16	.85	.09	.06	.05
12	.19	.72	.33	.23	.45	.78	.38	.33	.72	.07	.06	.05
13	3.8	.53	.45	.19	.45	2.1	3.2	1.2	.45	.07	.07	.47
14	19	.59	.38	.19	.45	.24	.41	.85	.27	.07	.06	.05
15	.74	.45	.27	.19	.38	.81	.32	.52	.23	.10	.06	12
16	.39	.45	.27	.22	.45	.31	.28	.12	.23	.09	.28	.31
17	.27	.39	.27	.21	.32	1.1	.27	.12	.23	.07	.05	.13
18	.24	.38	.27	.19	.32	.45	.28	.12	.19	.09	.04	.23
19	.19	.38	.23	.32	.32	.27	.23	.18	.19	.04	.06	.10
20	.19	.32	.23	.23	.32	.24	.23	5.9	.19	.04	.05	.09
21	.19	.27	.23	.16	.32	.27	.23	.14	.19	.04	.11	.67
22	.19	.27	.23	.12	.38	.27	.23	.12	.15	.04	13	.04
23	.22	.70	.23	.18	2.5	.26	.19	20	.15	.12	.13	.15
24	.89	.27	.23	.34	.36	.23	.19	.66	.15	4.2	.04	.05
25	.25	.65	.56	.19	.32	.23	.15	.16	.19	23	.07	.05
26	.23	.23	1.8	.19	.28	3.3	.14	.15	.23	.22	.48	.05
27	.21	.42	.32	.19	.27	2.4	.12	3.2	.12	.10	.28	.06
28	8.7	.23	.81	.20	.27	.42	2.2	23	.41	.10	.15	.06
29	.45	1.5	.27	.13	---	.27	.53	14	.12	.84	.11	.13
30	4.0	.23	.52	.49	---	.19	.11	1.0	.12	.13	.06	.06
31	18	---	1.0	39	---	.19	---	.60	---	.16	.16	---
TOTAL	60.50	34.59	16.10	50.61	64.18	17.84	62.78	93.53	59.03	31.47	24.73	16.33
MEAN	1.95	1.15	.52	1.63	2.29	.58	2.09	3.02	1.97	1.02	.80	.54
MAX	19	14	4.3	39	42	3.3	34	23	27	23	13	12
MIN	.15	.23	.15	.12	.27	.19	.11	.10	.12	.04	.04	.04
CFSM	1.44	.85	.39	1.21	1.70	.43	1.55	2.24	1.46	.76	.59	.40
IN.	1.67	.95	.44	1.39	1.77	.49	1.73	2.58	1.63	.87	.68	.45
AC-FT	120	69	32	100	127	35	125	186	117	62	49	32
(††)	5.90	2.61	1.56	3.48	2.47	1.44	3.78	6.65	3.15	3.03	2.12	1.27
CAL YR 1974	TOTAL 391.63	MEAN 1.07	MAX 40	MIN .03	CFSM .79	IN 10.79	AC-FT 777	†† 36.02				
WTR YR 1975	TOTAL 531.69	MEAN 1.46	MAX 42	MIN .04	CFSM 1.08	IN 14.65	AC-FT 1050	†† 37.46				

PEAK DISCHARGE (BASE, 300 FT³/S)

DATE	TIME	ELEV.	DISCHARGE	DATE	TIME	ELEV.	DISCHARGE
1-31	0405	622.14	332	5-29	0845	622.13	330
4-7	1550	622.02	315	6-8	1925	623.93	599
4-7	2350	623.94	600	7-25	1210	621.99	311
5-11	1030	623.34	506	8-22	1800	622.90	440
5-23	0750	622.67	406	9-15	1950	624.40	665
5-28	0545	622.33	358				

†† Weighted-mean rainfall, in inches, based on two rain gages.

TRINITY RIVER BASIN

08048600 Dry Branch at Fain Street, Fort Worth, Tex.

LOCATION.--Lat 32°46'34", Long 97°17'18", Tarrant County, on right bank 30 ft (9 m) upstream from culvert on Fain Street, at intersection of Fain and Beach Streets in Fort Worth, 1.1 miles (1.8 km) upstream from mouth, and 2.9 miles (4.7 km) northeast of Tarrant County Courthouse.

DRAINAGE AREA.--2.15 mi² (5.57 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and concrete culvert control. Datum of gage is 537.51 ft (163.833 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 1.61 ft³/s (0.0456 m³/s), 10.17 in/yr (258 mm/yr), 1,170 acre-ft/yr (1.44 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 447 ft³/s (12.7 m³/s) July 25 (gage height, 5.86 ft or 1.786 m); no flow at times.
Period of record: Maximum discharge, 447 ft³/s (12.7 m³/s) July 25, 1975 (gage height, 5.86 ft or 1.786 m); no flow at times.
Maximum stage since April 1964, 9.0 ft (2.74 m) in April 1966 at upstream side of Fain Street culvert, from information by local resident (discharge not determined).

REMARKS.--Records good above 1.0 ft³/s (0.028 m³/s) and fair below. Low flow is sustained by effluent from commercial establishments and industry above station. Two recording rain gages are operated in basin above station.

REVISIONS.--WSP 2122: Drainage area.

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	.22	2.2	.22	.38	79	.11	.22	.14	.38	.50	.54	0
2	.22	1.0	.10	5.0	8.5	.14	.22	9.6	.27	.08	4.0	0
3	.22	.62	.05	1.3	5.6	.17	.22	.59	.14	.34	.67	0
4	.19	1.9	.05	.38	4.0	.22	.22	.38	.14	2.7	3.8	.03
5	.14	.49	.88	.38	3.3	.22	.22	.38	.14	.12	.38	.03
6	.10	.38	.84	.22	.90	.22	.22	.28	.14	.05	.23	.03
7	.08	1.0	.18	.22	.61	.22	32	.22	.14	.05	.15	.03
8	.08	.40	.14	.14	.38	.22	39	.22	12	.04	.12	.04
9	.08	3.2	.14	.22	.22	1.1	1.7	.22	3.1	.03	.08	.05
10	.08	.49	5.5	.38	.22	.33	1.4	.22	20	.03	.08	.05
11	.08	2.5	1.4	.14	.22	.22	.65	7.0	1.3	.03	.05	.03
12	.08	1.6	.22	.08	.14	1.4	.38	.65	.40	.03	.02	.02
13	3.1	1.4	.08	.08	.14	3.6	1.7	1.1	.14	.02	.04	.07
14	32	1.3	.08	.08	.14	.40	.57	7.2	.28	0	.03	.78
15	2.2	1.3	.08	.08	.14	1.6	.34	1.6	.23	.01	.05	9.4
16	.61	1.1	.08	.08	.14	1.3	.19	.38	.22	.01	.61	1.6
17	.38	.86	.08	.08	.14	.58	.21	.38	.22	.02	7.0	.23
18	.22	.61	.08	.08	.14	.70	.22	.38	.22	.01	1.5	.11
19	.38	.61	.08	.08	.14	.31	.22	.38	.22	.02	.38	.05
20	.22	.52	.08	.08	.14	.22	.22	4.3	.22	.02	.37	.04
21	.14	.38	.08	.08	.14	.22	.22	.58	.27	.02	.11	.07
22	.14	.64	.08	.08	1.1	.22	.22	.22	.31	.01	7.1	.10
23	.14	1.3	.08	.08	2.8	.22	.14	16	.13	0	.45	.01
24	.20	.98	.08	.08	.56	.22	.14	.93	.15	7.1	.22	0
25	.22	.61	.38	.08	.38	.17	.14	.38	.18	156	.04	0
26	.14	.61	2.9	.08	.28	2.8	.14	.31	.14	3.6	.46	0
27	.14	.61	.38	.08	.19	1.6	.14	7.2	.14	1.5	.82	0
28	8.3	.61	.38	.08	.14	.45	.74	13	.14	.66	.18	0
29	.75	1.3	.38	.08	---	.22	.14	13	.14	2.2	.03	0
30	15	.30	1.6	.22	---	.22	.14	3.6	.62	1.3	.01	0
31	62	---	1.7	23	---	.22	---	.96	---	1.2	0	---
TOTAL	177.89	79.37	18.40	33.42	109.80	19.64	82.28	88.80	42.18	177.70	30.10	12.77
MEAN	4.13	2.65	.59	1.08	3.92	.64	2.74	2.86	1.41	5.73	.97	.43
MAX	62	49	5.5	23	79	3.6	39	16	23	156	7.1	9.4
MIN	.08	.30	.05	.08	.14	.11	.14	.14	.14	0	0	0
CFSM	1.92	1.23	.27	.50	1.82	.30	1.27	1.33	.66	2.67	.45	.20
IN.	2.21	1.37	.32	.58	1.90	.34	1.42	1.54	.73	3.07	.52	.22
AC-FT	254	157	36	66	218	39	163	176	84	352	60	25
(††)	5.34	2.58	1.63	2.08	2.66	1.46	3.36	5.96	2.34	7.43	2.29	1.02

CAL YR 1974 TOTAL 623.89 MEAN 1.71 MAX 62 MIN 0 CFSM .80 IN 10.79 AC-FT 1240 †† 35.02
WTR YR 1975 TOTAL 822.55 MEAN 2.25 MAX 156 MIN 0 CFSM 1.05 IN 14.23 AC-FT 1630 †† 38.15

PEAK DISCHARGE (BASE, 170 FT³/S)

DATE	TIME	G.H.T.	DISCHARGE	DATE	TIME	G.H.T.	DISCHARGE
10-31	0445	3.96	219	4-8	0145	3.84	206
2-1	0330	3.66	188	7-25	0900	5.86	447

†† Weighted-mean rainfall, in inches, based on two rain gages.

TRINITY RIVER BASIN

08048850 Little Fossil Creek at Mesquite Street, Fort Worth, Tex.

LOCATION.--Lat 32°48'33", long 97°17'28", Tarrant County, on right bank at intersection of Mesquite Street and Broadway Avenue in Fort Worth, 150 ft (46 m) upstream from bridge on Alta Vista Road (Beach Street), 4.3 miles (6.9 km) northeast of county courthouse, and approximately 4.3 miles (6.9 km) upstream from Big Fossil Creek.

DRAINAGE AREA.--12.3 mi² (31.9 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 548.62 ft (167.219 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 6.15 ft³/s (0.174 m³/s), 6.79 in/yr (172 mm/yr), 4,460 acre-ft/yr (5.50 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,360 ft³/s (152 m³/s) July 25 (gage height, 12.22 ft or 3.725 m), from rating curve extended as explained below; no flow July 19-23, Sept. 5-14.

Period of record: Maximum discharge, 5,360 ft³/s (152 m³/s) July 25, 1975 (gage height, 12.22 ft or 3.725 m), from rating curve extended above 1,400 ft³/s (39.6 m³/s) on basis of contracted-opening measurement of peak flow; no flow at times each year.

Maximum stage since 1900 occurred Apr. 25, 1922 (gage height and discharge unknown), from information by local residents. The second highest flood, about 13 ft (4.0 m), occurred Apr. 21, 1942 (discharge unknown), from information by local residents. Floods in 1926, 1935, 1949, and 1955, had stages slightly less than that of the July 25, 1975, flood from newspaper articles and local residents.

REMARKS.--Records good below 200 ft³/s (5.66 m³/s) and fair above. Flow is slightly regulated by several small farm ponds located on tributaries above station. Low flow is sustained at times by effluent from industrial park 2.6 miles (4.2 km) upstream. Three recording rain gages are operated in basin above station.

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	2.0	25	2.3	3.6	328	3.0	1.8	2.0	5.0	1.8	3.0	.06
2	2.0	11	2.3	18	46	2.3	1.5	6.6	3.2	.28	2.6	.04
3	1.5	8.9	2.6	14	42	1.8	1.3	2.6	3.0	7.5	2.3	.03
4	1.3	12	2.3	6.2	27	1.8	1.3	1.5	2.6	3.2	5.0	.01
5	1.3	8.9	2.6	4.2	37	1.5	1.3	1.1	2.0	1.1	2.3	0
6	1.1	6.2	5.0	3.2	11	1.5	1.3	1.1	1.8	.42	1.5	0
7	.84	5.8	3.0	3.0	7.1	1.5	.67	1.1	3.0	.28	1.1	0
8	1.3	6.2	2.3	2.3	6.2	1.1	225	.98	8.9	.11	.98	0
9	.84	7.5	2.0	2.0	4.6	1.8	13	.84	9.4	.03	.71	0
10	.71	268	6.6	2.3	4.2	3.0	7.5	.71	75	.04	.60	0
11	.84	21	15	1.8	3.9	3.0	6.6	6.6	8.4	.22	.60	0
12	.71	11	5.8	1.5	3.2	4.2	5.0	4.6	4.6	.35	.51	0
13	.98	8.0	4.6	1.1	3.2	8.9	5.4	2.0	3.2	.11	.42	0
14	94	6.2	3.9	.98	3.2	5.0	6.6	15	2.3	.08	.22	0
15	20	5.4	3.2	.98	3.2	3.2	4.6	7.1	1.8	.04	.22	3.9
16	8.0	5.0	3.0	.98	3.9	4.2	3.6	2.6	1.1	.06	.17	5.8
17	5.8	4.6	2.6	.98	3.2	3.2	3.2	1.3	.84	.04	4.6	.98
18	4.2	4.2	2.6	.84	2.3	3.2	3.2	1.3	.99	.01	1.3	.14
19	3.2	4.2	2.0	.84	2.3	2.6	2.6	1.3	.84	0	.51	.06
20	2.3	3.6	2.0	.84	2.6	2.3	2.3	5.4	.84	0	.42	.03
21	3.0	3.2	2.0	.84	3.0	2.0	2.0	4.6	.84	0	.17	.02
22	2.3	3.0	2.0	.71	6.2	2.0	2.3	1.5	.71	0	.60	.01
23	2.0	3.6	2.0	.60	11	2.0	2.0	36	.60	0	.71	.01
24	2.3	15	2.0	.71	10	1.8	1.8	8.4	.60	9.0	.28	.01
25	3.0	5.0	2.0	.84	6.6	1.8	1.8	6.2	.60	718	.14	.01
26	2.0	3.9	6.2	.71	5.0	2.3	1.3	3.2	.60	19	.11	.02
27	1.8	2.6	3.2	.71	3.6	5.0	1.3	4.2	.60	5.8	.35	.03
28	9.4	2.6	2.0	.71	3.2	4.2	3.2	31	.42	3.9	.28	.02
29	5.8	3.2	2.0	.71	---	2.6	1.5	23	.35	6.6	.22	.01
30	23	3.0	2.6	.84	---	2.0	1.3	37	.28	10	.14	.01
31	481	---	5.8	40	---	1.8	---	8.4	---	4.2	.08	---
TOTAL	688.52	477.8	107.5	117.02	592.7	86.6	382.6	229.23	144.40	792.17	32.14	11.20
MEAN	22.2	15.9	3.47	3.77	21.2	2.79	12.8	7.39	4.81	25.6	1.04	.37
MAX	481	268	15	40	328	8.9	225	37	75	718	5.0	5.8
MIN	.71	2.6	2.0	.60	2.3	1.1	1.3	.71	.28	0	.08	0
CFSM	1.80	1.29	.28	.31	1.72	.23	1.04	.60	.39	2.08	.08	.03
IN.	2.08	1.45	.33	.35	1.79	.26	1.16	.69	.44	2.40	.10	.03
AC-FT	1370	948	213	232	1180	172	759	455	286	1570	64	22
(††)	5.54	2.63	1.37	1.70	2.75	1.30	3.38	6.21	2.18	7.65	1.13	1.46

CAL YR 1974 TOTAL 2542.42 MEAN 6.97 MAX 481 MIN 0 CFSM .57 IN. 7.69 AC-FT 5040 †† 33.93
WTR YR 1975 TOTAL 3661.88 MEAN 10.0 MAX 718 MIN 0 CFSM .81 IN 11.07 AC-FT 7260 †† 37.30

PEAK DISCHARGE (BASE, 290 FT³/S)

DATE	TIME	G.H.T.	DISCHARGE	DATE	TIME	G.H.T.	DISCHARGE
10-31	0800	8.02	1,380	4-8	0200	6.47	864
11-10	0615	6.07	648	7-25	0745	12.22	5,360
2-1	0300	6.76	955				

†† Weighted-mean rainfall, in inches, based on three rain gages.

MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS, 1975 WATER YEAR

Station	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis- charge (ft ³ /s)
08048550	Dry Branch at Blandin Street, Fort Worth, Tex. <u>1/</u>	Lat 32°47'19", long 97°18'22", Tarrant County, at culvert on Blandin Street in north Fort Worth and 2.82 miles upstream from mouth.	1.08	1969-75	7-25-75	591.59	570
08048820	Little Fossil Creek at Interstate Highway 820, Fort Worth, Tex. <u>1/</u>	Lat 32°50'22", long 97°19'20", Tarrant County, at culvert on south access road to Interstate Highway 820, 5.7 miles north of Tarrant County courthouse, Fort Worth, and 7.55 miles upstream from mouth.	5.64	1969-75	7-25-75	615.69	1,260

1/ Equipped with stage-rainfall recorder.

FORT WORTH URBAN HYDROLOGY STUDY

DAILY AND MONTHLY RAINFALL SUMMARY

PERIOD : 1975 WATER YEAR

G A G E N U M B E R

DATE	SYCAMORE CREEK			SYCAMORE CR TRIB		DRY BRANCH		LITTLE FOSSIL CREEK		
	1-SC	2-SC	3-SC	1-ST	2-ST	1-DB	2-DB	1-LF	2-LF	3-LF
OCT										
13	0.59	0.61	0.42	0.90	0.64	0.89	0.74	1.16	0.97	0.90
14	1.62	1.78	1.79	2.16	1.73	1.34	1.50	1.08	1.17	1.39
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
24	0.15	0.15	0.13	0.17	0.14	0.11	0.14	0.15	0.15	0.10
28	1.22	1.20	0.89	1.10	1.07	0.65	0.96	0.60	0.64	0.64
30	0.42	0.40	0.42	0.67	0.51	1.05	0.50	0.56	0.77	1.17
31	1.06	1.07	1.04	1.40	1.18	1.55	1.25	1.74	1.65	1.62
MTOT	5.06	5.21	4.69	6.40	5.27	5.59	5.09	5.29	5.44	5.82
NOV										
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
3	0.10	0.16	0.13	0.00	0.00	0.04	0.03	0.50	0.20	0.18
4	0.29	0.29	0.26	0.45	0.34	0.16	0.10	0.00	0.00	0.00
7	0.19	0.20	0.19	0.36	0.17	0.14	0.17	0.15	0.14	0.15
9	0.45	0.48	0.49	0.60	0.51	0.74	0.72	0.70	0.71	0.80
10	0.59	0.63	0.64	0.83	0.68	1.08	1.15	0.85	0.86	0.91
23	0.45	0.45	0.36	0.49	0.28	0.18	0.27	0.65	0.38	0.23
29	0.15	0.15	0.09	0.21	0.21	0.15	0.13	0.16	0.11	0.15
MTOT	2.22	2.36	2.16	2.94	2.19	2.49	2.66	3.01	2.47	2.42
DEC										
5	0.09	0.10	0.04	0.10	0.16	0.23	0.22	0.20	0.21	0.21
10	0.58	0.60	0.57	0.95	0.67	0.63	0.69	0.60	0.55	0.56
25	0.06	0.05	0.03	0.09	0.05	0.11	0.13	0.12	0.15	0.10
26	0.19	0.19	0.18	0.25	0.23	0.34	0.23	0.28	0.23	0.25
27	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00
28	0.05	0.06	0.08	0.08	0.06	0.00	0.00	0.06	0.05	0.05
30	0.10	0.09	0.14	0.12	0.15	0.20	0.22	0.11	0.11	0.12
31	0.10	0.07	0.03	0.12	0.05	0.05	0.00	0.06	0.05	0.05
MTOT	1.17	1.16	1.07	1.71	1.37	1.61	1.65	1.43	1.35	1.34
CTOT	32.07	34.02	30.18	37.87	33.67	35.01	35.03	33.51	32.68	35.10

MTOT=MONTHLY TOTALS
CTOT=CALENDAR YEAR TOTALS

FORT WORTH URBAN HYDROLOGY STUDY

DAILY AND MONTHLY RAINFALL SUMMARY

PERIOD : 1975 WATER YEAR

G A G E N U M B E R

DATE	SYCAMORE CREEK			SYCAMORE CR TRIB		DRY BRANCH		LITTLE FOSSIL CREEK		
	1-SC	2-SC	3-SC	1-ST	2-ST	1-DB	2-DR	1-LF	2-LF	3-LF
JAN										
1	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
2	0.46	0.41	0.31	0.67	0.40	0.45	0.42	0.51	0.44	0.42
9	0.08	0.08	0.09	0.16	0.11	0.08	0.04	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.03	0.00
30	0.09	0.07	0.05	0.11	0.08	0.10	0.07	0.06	0.07	0.20
31	2.94	3.14	2.82	2.69	2.71	1.48	1.48	0.96	1.19	1.10
MTOT	3.57	3.70	3.27	3.63	3.30	2.11	2.06	1.65	1.73	1.72
FEB										
1	2.08	1.74	1.50	1.69	1.62	1.84	1.75	1.34	1.72	1.90
2	0.24	0.22	0.20	0.23	0.24	0.23	0.25	0.31	0.00	0.40
3	0.16	0.14	0.13	0.24	0.10	0.15	0.15	0.12	0.11	0.17
4	0.07	0.07	0.07	0.14	0.14	0.19	0.17	0.23	0.20	0.17
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.15
22	0.08	0.03	0.02	0.03	0.03	0.10	0.10	0.41	0.23	0.17
23	0.20	0.10	0.02	0.26	0.19	0.14	0.26	0.15	0.05	0.15
MTOT	2.83	2.30	1.94	2.59	2.32	2.65	2.68	2.56	2.42	3.11
MAR										
3	0.00	0.00	0.00	0.06	0.05	0.00	0.00	0.00	0.00	0.00
9	0.19	0.12	0.15	0.11	0.07	0.20	0.15	0.17	0.15	0.20
12	0.06	0.08	0.04	0.10	0.07	0.18	0.19	0.20	0.20	0.21
13	0.30	0.29	0.24	0.26	0.25	0.25	0.35	0.23	0.34	0.30
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.11	0.11
15	0.14	0.14	0.16	0.11	0.12	0.21	0.25	0.04	0.03	0.05
17	0.15	0.08	0.08	0.11	0.10	0.01	0.00	0.00	0.00	0.00
26	0.34	0.49	0.45	0.47	0.40	0.36	0.41	0.20	0.20	0.29
27	0.35	0.26	0.20	0.28	0.22	0.14	0.14	0.09	0.20	0.15
28	0.05	0.06	0.08	0.03	0.05	0.00	0.00	0.10	0.10	0.06
29	0.09	0.00	0.05	0.00	0.00	0.00	0.09	0.00	0.00	0.00
MTOT	1.49	1.52	1.45	1.53	1.33	1.35	1.54	1.20	1.33	1.37

MTOT=MONTHLY TOTALS

FORT WORTH URBAN HYDROLOGY STUDY

DAILY AND MONTHLY RAINFALL SUMMARY

PERIOD : 1975 WATER YEAR

	G A G E N U M B E R										
DATE	SYCAMORE CREEK			SYCAMORE CR TRIB		DRY BRANCH		LITTLE FOSSIL CREEK			
	1-SC	2-SC	3-SC	1-ST	2-ST	1-DB	2-DB	1-LF	2-LF	3-LF	
=====											
APR											
7	2.49	2.52	2.16	2.81	2.56	2.64	2.82	2.72	2.77	2.48	
8	0.20	0.23	0.38	0.19	0.24	0.26	0.23	0.26	0.29	0.23	
10	0.07	0.00	0.08	0.11	0.09	0.06	0.06	0.14	0.10	0.08	
13	0.35	0.27	0.32	0.41	0.35	0.21	0.20	0.16	0.20	0.15	
28	0.22	0.38	0.57	0.29	0.27	0.15	0.10	0.15	0.16	0.32	
29	0.03	0.06	0.22	0.10	0.11	0.00	0.00	0.00	0.00	0.00	
=====											
MTOT	3.36	3.46	3.73	3.91	3.62	3.32	3.41	3.43	3.52	3.26	
=====											
MAY											
2	0.37	0.45	0.40	0.46	0.40	0.69	0.55	0.40	0.50	0.75	
11	0.80	0.80	0.75	1.72	1.28	0.58	0.65	0.71	0.49	0.89	
13	0.30	0.30	0.20	0.30	0.17	0.12	0.25	0.48	0.29	0.21	
14	0.10	0.06	0.15	0.17	0.20	0.51	0.49	0.57	0.80	0.86	
15	0.06	0.06	0.09	0.11	0.06	0.05	0.10	0.05	0.05	0.10	
16	0.05	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.70	0.80	0.82	0.67	0.56	0.51	0.51	0.52	0.54	0.49	
23	1.49	1.38	1.68	1.00	1.51	1.15	1.35	1.32	1.23	1.15	
24	0.07	0.06	0.08	0.06	0.05	0.00	0.00	0.25	0.09	0.03	
27	0.39	0.39	0.02	0.47	0.42	0.00	1.10	0.14	0.49	0.64	
28	1.15	1.35	1.21	1.08	1.02	1.10	0.67	0.81	0.41	0.60	
29	0.76	0.61	0.60	0.87	0.59	0.41	0.71	0.83	0.49	0.59	
30	0.00	0.00	0.09	0.03	0.03	0.19	0.23	0.26	0.31	0.10	
=====											
MTOT	6.19	6.32	6.14	6.94	6.29	5.31	6.61	6.34	5.69	6.41	
=====											
JUN											
1	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	2.60	2.69	1.70	1.95	1.96	1.10	1.20	0.60	0.71	1.15	
9	0.00	0.00	0.16	0.00	0.08	0.30	0.05	0.00	0.00	0.55	
10	1.04	0.91	1.02	1.13	1.19	0.90	0.79	1.16	0.89	0.88	
30	0.00	0.00	0.00	0.00	0.00	0.11	0.23	0.07	0.12	0.16	
=====											
MTOT	3.69	3.64	2.88	3.08	3.23	2.41	2.27	1.83	1.72	2.74	

MTOT=MONTHLY TOTALS

FORT WORTH URBAN HYDROLOGY STUDY

DAILY AND MONTHLY RAINFALL SUMMARY

PERIOD : 1975 WATER YEAR

G A G E N U M B E R

DATE	SYCAMORE CREEK			SYCAMORE CR TRIB		DRY BRANCH		LITTLE FOSSIL CREEK		
	1-SC	2-SC	3-SC	1-ST	2-ST	1-DB	2-DB	1-LF	2-LF	3-LF
JUL										
2	0.00	0.00	0.00	0.04	0.07	0.00	0.00	0.00	0.00	0.00
3	0.79	0.89	0.10	0.05	0.02	0.28	0.05	0.31	1.03	1.31
4	0.00	0.00	0.00	0.00	0.00	0.27	0.40	0.00	0.00	0.00
10	0.05	0.04	0.03	0.07	0.04	0.00	0.00	0.32	0.11	0.07
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
14	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.00	0.00	0.00
24	1.32	1.13	0.70	0.90	0.66	1.81	0.35	0.45	1.00	1.89
25	1.31	1.31	2.08	2.11	1.88	5.97	5.21	3.48	4.85	5.76
29	0.09	0.00	0.04	0.02	0.16	0.30	0.10	0.87	0.71	0.36
MTOT	3.47	3.37	2.95	3.19	2.83	8.70	6.16	5.43	7.70	9.45
AUG										
2	0.05	0.04	0.03	0.03	0.07	0.11	0.50	0.34	0.05	0.11
3	0.00	0.12	0.30	0.61	0.47	0.00	0.00	0.00	0.15	0.25
4	0.09	0.05	0.10	0.04	0.29	0.14	0.74	0.00	0.00	0.00
16	0.09	0.00	0.00	0.02	0.06	0.24	0.00	0.00	0.00	0.05
17	0.02	0.00	0.00	0.00	0.00	0.63	0.70	0.32	0.41	0.57
22	0.15	0.30	0.88	1.22	1.35	0.50	0.65	0.12	0.18	0.20
26	1.00	0.75	0.00	0.00	0.00	0.05	0.05	0.05	0.09	0.05
27	0.00	0.00	0.00	0.09	0.03	0.13	0.05	0.17	0.19	0.05
MTOT	1.22	1.26	1.31	2.01	2.27	1.80	2.78	1.00	1.07	1.28
SEPT										
12	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00
13	0.15	0.10	0.02	0.03	0.05	0.06	0.04	0.07	0.15	0.00
15	0.43	0.70	1.84	0.80	1.35	1.20	0.64	1.23	1.09	1.53
21	0.13	0.17	0.06	0.15	0.11	0.00	0.06	0.07	0.11	0.08
MTOT	0.71	0.97	1.92	1.04	1.57	1.26	0.79	1.37	1.35	1.61
WTOT	34.98	35.27	33.51	38.97	35.59	38.60	37.74	34.54	35.79	40.53

MTOT=MONTHLY TOTALS

WTOT=WATER YEAR TOTAL

STA. NO. 0804852

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

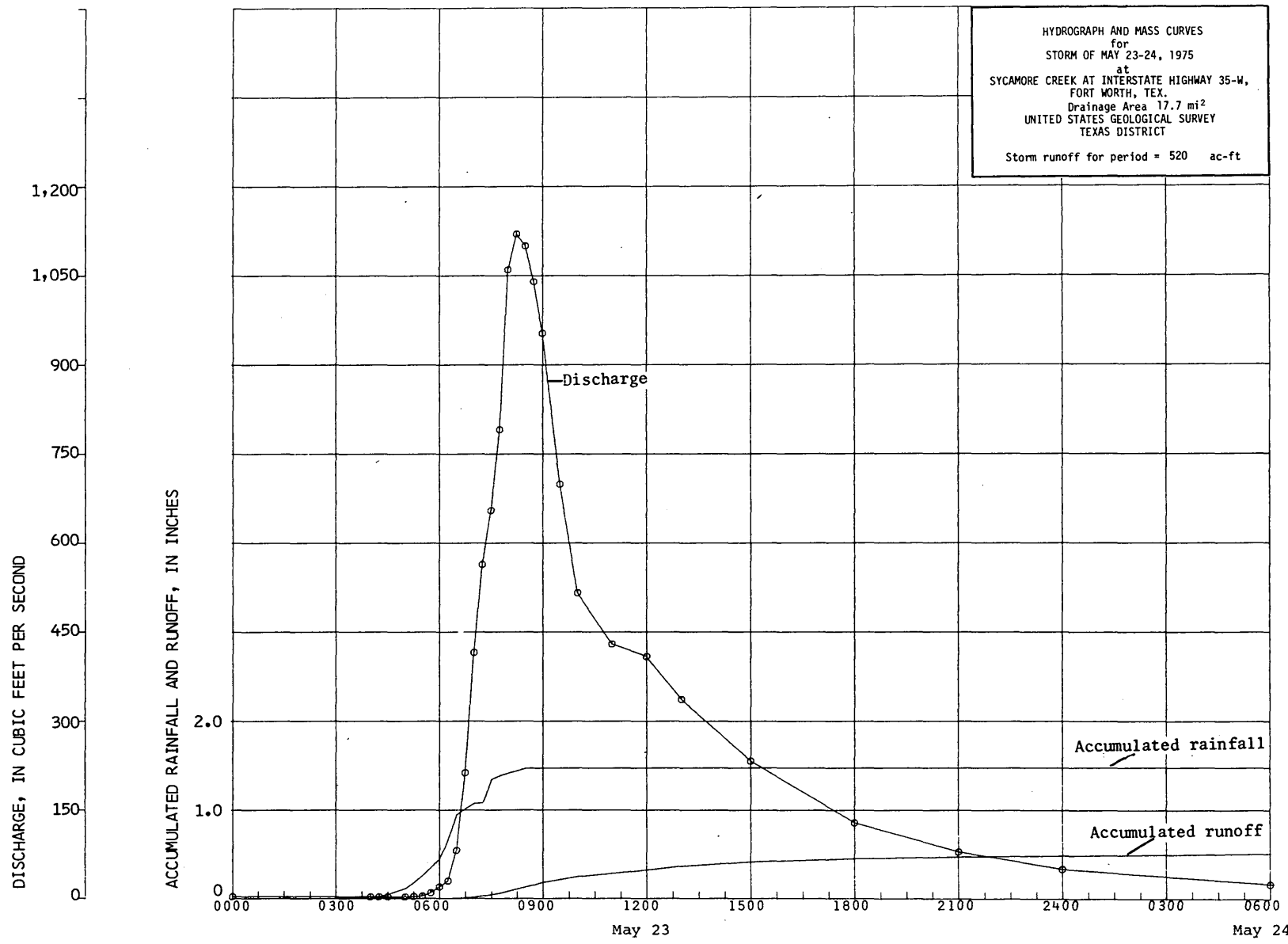
SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX.

STORM OF MAY 23-24, 1975

DATE & TIME	G A G E N U M B E R						ACCUM. WEIGHTED PRECIP.	DISCHARGE IN	ACCUM. RUNOFF IN.
	1-SC	2-SC	3-SC				IN.	FT ³ /S	IN.
MAY 23									
0000	0.0	0.0	0.0				0.0	3.5	0.0006
0400	0.0	0.0	0.0				0.0	3.1	0.0012
0415	0.03	0.02	0.0				0.02	3.1	0.0013
0430	0.06	0.05	0.02				0.05	3.1	0.0014
0500	0.17	0.11	0.02				0.11	3.1	0.0015
0515	0.24	0.18	0.08				0.18	3.9	0.0015
0530	0.36	0.25	0.11				0.26	4.7	0.0016
0545	0.45	0.30	0.30				0.35	10.0	0.0019
0600	0.52	0.38	0.49				0.45	20.0	0.0023
0615	0.73	0.62	0.60				0.67	30.0	0.0030
0630	1.04	0.84	0.92				0.95	82.0	0.0048
0645	1.06	0.95	1.10				1.01	213.0	0.0094
0700	1.09	0.99	1.26				1.07	416.0	0.0185
0715	1.09	1.00	1.27				1.08	564.0	0.0309
0730	1.37	1.25	1.55				1.35	655.0	0.0452
0745	1.40	1.29	1.61				1.39	791.0	0.0625
0800	1.43	1.32	1.64				1.42	1060.0	0.0857
0815	1.45	1.35	1.66				1.44	1120.0	0.1102
0830	1.48	1.38	1.68				1.47	1100.0	0.1343
0845	1.49	1.38	1.68				1.47	1040.0	0.1571
0900	1.49	1.38	1.68				1.47	953.0	0.1884
0930	1.49	1.38	1.68				1.47	699.0	0.2190
1000	1.49	1.38	1.68				1.47	516.0	0.2528
1100	1.49	1.38	1.68				1.47	430.0	0.2905
1200	1.49	1.38	1.68				1.47	409.0	0.3263
1300	1.49	1.38	1.68				1.47	337.0	0.3705
1500	1.49	1.38	1.68				1.47	233.0	0.4215
1800	1.49	1.38	1.68				1.47	129.0	0.4554
2100	1.49	1.38	1.68				1.47	80.0	0.4764
2400	1.49	1.38	1.68				1.47	51.0	0.4898
MAY 24									
0000	1.49	1.38	1.68				1.47	51.0	0.4898
0500	1.49	1.38	1.68				1.47	25.0	0.5097
1200	1.49	1.38	1.68				1.47	17.0	0.5164
1500	1.52	1.42	1.75				1.52	16.0	0.5213
1900	1.56	1.44	1.76				1.54	17.0	0.5280
2400	1.56	1.44	1.76				1.54	14.0	0.5319
MAY 25									
0000	1.56	1.44	1.76				1.54	14.0	0.5319
0300	1.56	1.44	1.76				1.54	12.0	0.5360
0600	1.56	1.44	1.76				1.54	15.0	0.5419

STA. NO. 08048520				STORM RAINFALL AND RUNOFF RECORD				1975 WATER YEAR		
SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX.				STORM OF MAY 23-24, 1975				ACCUM.	DISCHARGE	ACCUM.
DATE & TIME				G A G E N U M B E R				WEIGHTED	IN	RUNOFF
				1-SC	2-SC	3-SC		PRECIP.		
								IN.	FT ³ /S	IN.
MAY 25										
1200				1.56	1.44	1.76		1.54	12.0	0.5514
2400				1.56	1.44	1.76		1.54	7.2	0.5552





SIA. NO. 08048523

STORM RAINFALL AND RUNOFF RECORD

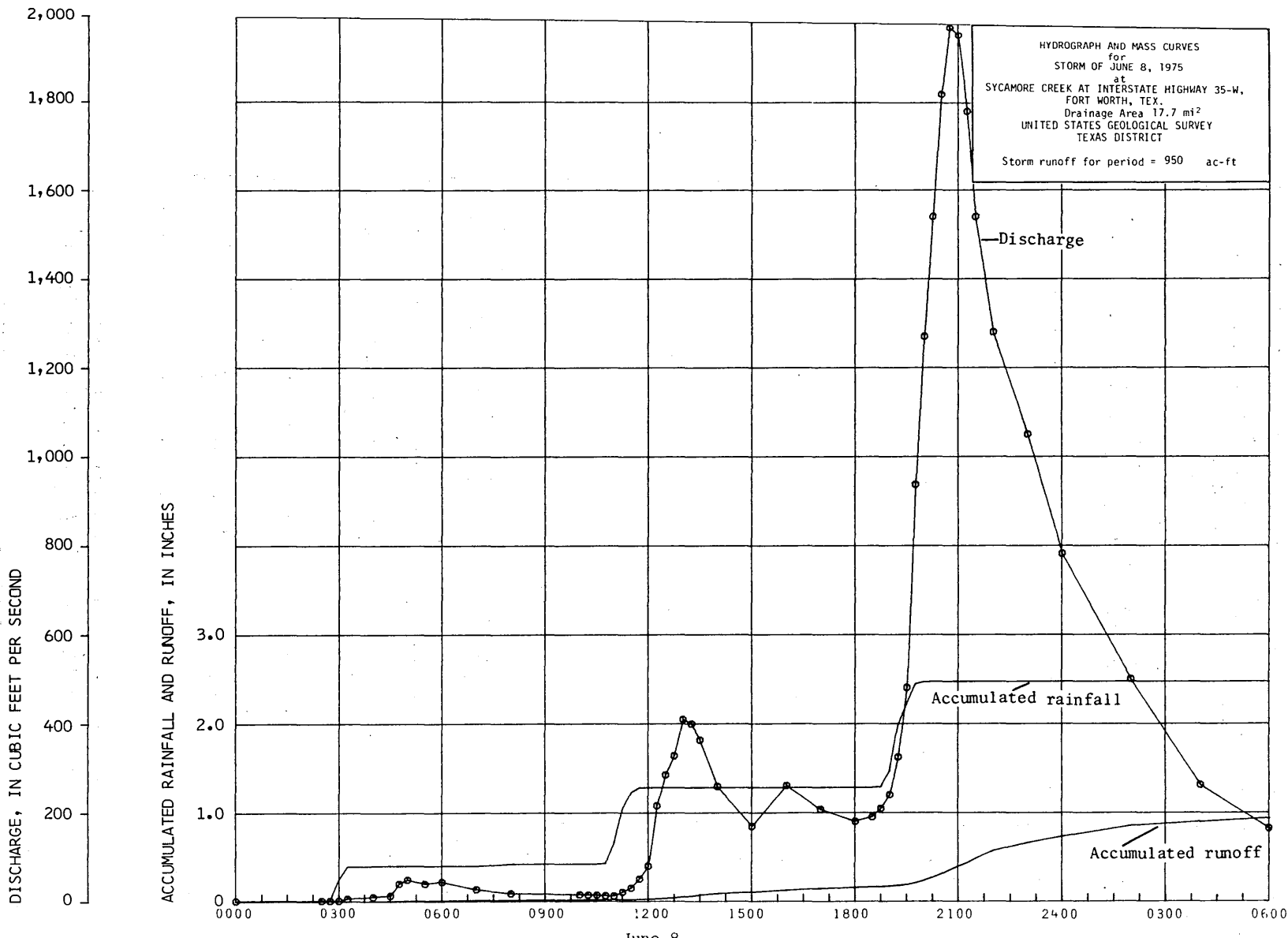
1975 WATER YEAR

SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX.

STORM OF JUNE 8, 1975

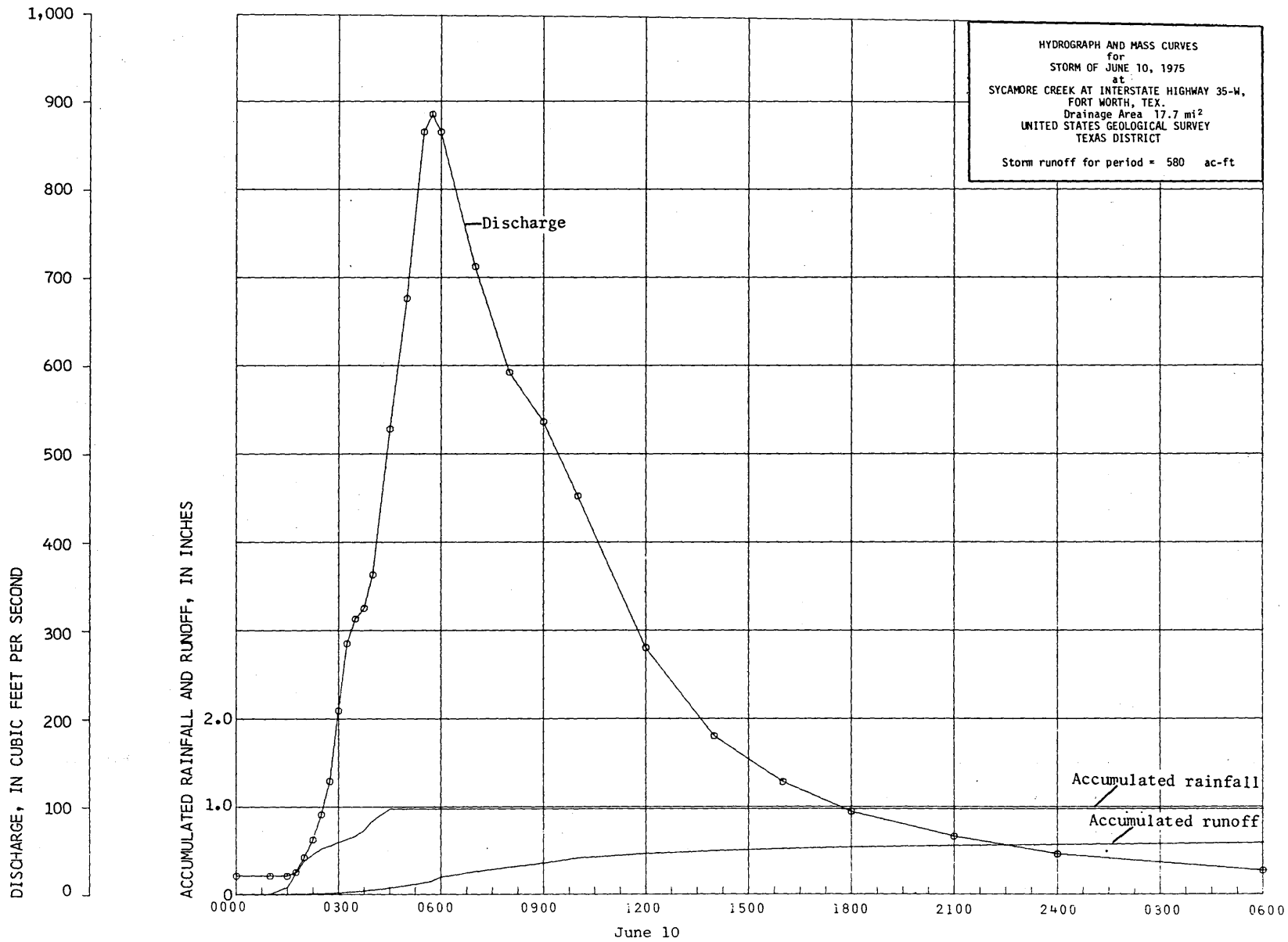
DATE & TIME	G A G E N U M B E R						ACCUM. WEIGHTED PRECIP.	DISCHARGE IN	ACCUM. RUNOFF
	1-SC	2-SC	3-SC				IN.	FT ³ /S	IN.
JUNE 8									
0000	0.0	0.0	0.0				0.0	1.5	0.0002
0230	0.0	0.0	0.0				0.0	1.5	0.0003
0245	0.02	0.01	0.0				0.01	1.5	0.0004
0300	0.25	0.24	0.11				0.24	1.5	0.0004
0315	0.34	0.50	0.22				0.39	6.4	0.0007
0400	0.35	0.51	0.22				0.40	10.0	0.0012
0430	0.35	0.51	0.22				0.40	13.0	0.0017
0445	0.35	0.51	0.22				0.40	40.0	0.0025
0500	0.35	0.51	0.22				0.40	49.0	0.0041
0530	0.35	0.51	0.22				0.40	40.0	0.0059
0600	0.35	0.51	0.22				0.40	44.0	0.0088
0700	0.35	0.51	0.22				0.40	27.0	0.0112
0800	0.39	0.53	0.22				0.42	18.0	0.0135
1000	0.39	0.53	0.22				0.42	15.0	0.0150
1115	0.39	0.53	0.22				0.42	14.0	0.0153
1230	0.39	0.53	0.22				0.42	14.0	0.0156
1245	0.40	0.53	0.24				0.43	13.0	0.0159
1100	0.60	0.68	0.36				0.66	12.0	0.0162
1115	1.24	1.08	0.60				1.04	21.0	0.0166
1130	1.37	1.30	0.79				1.23	30.0	0.0173
1145	1.40	1.40	0.79				1.28	51.0	0.0184
1200	1.40	1.40	0.79				1.28	80.0	0.0201
1215	1.40	1.40	0.79				1.28	216.0	0.0249
1230	1.40	1.40	0.79				1.28	285.0	0.0311
1245	1.40	1.40	0.79				1.28	328.0	0.0383
1300	1.40	1.40	0.79				1.28	409.0	0.0472
1315	1.40	1.40	0.79				1.28	399.0	0.0560
1330	1.40	1.40	0.79				1.28	363.0	0.0679
1400	1.40	1.40	0.79				1.28	259.0	0.0849
1500	1.40	1.40	0.79				1.28	169.0	0.0997
1600	1.41	1.40	0.79				1.28	261.0	0.1225
1700	1.40	1.40	0.79				1.28	207.0	0.1407
1800	1.40	1.40	0.79				1.28	180.0	0.1525
1830	1.40	1.40	0.79				1.28	190.0	0.1587
1845	1.41	1.41	0.79				1.29	209.0	0.1633
1900	1.53	1.65	0.89				1.47	240.0	0.1685
1915	2.04	2.21	1.30				1.98	325.0	0.1757
1930	2.35	2.49	1.54				2.22	481.0	0.1862
1945	2.58	2.67	1.66				2.45	937.0	0.2067

STA. NO. 08048520				STORM RAINFALL AND RUNOFF RECORD				1975 WATER YEAR		
SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX. STORM OF JUNE 8, 1975								ACCUM.	DISCHARGE	ACCUM.
DATE & TIME	G A G E N U M B E R							WEIGHTED	IN	RUNOFF
	1-SC	2-SC	3-SC					PRECIP.		
								IN.	FT ³ /S	IN.
JUNE 8										
2000	2.59	2.69	1.70					2.47	1270.0	0.2345
2115	2.60	2.69	1.70					2.47	1540.0	0.2682
2030	2.60	2.69	1.70					2.47	1820.0	0.3080
2145	2.60	2.69	1.70					2.47	1990.0	0.3516
2100	2.60	2.69	1.70					2.47	1970.0	0.3947
2115	2.60	2.69	1.70					2.47	1780.0	0.4337
2130	2.60	2.69	1.70					2.47	1540.0	0.4842
2200	2.60	2.69	1.70					2.47	1280.0	0.5683
2300	2.60	2.69	1.70					2.47	1050.0	0.6602
2400	2.60	2.69	1.70					2.47	782.0	0.7286
JUNE 9										
0000	2.60	2.69	1.70					2.47	782.0	0.7286
0200	2.60	2.69	1.70					2.47	500.0	0.8504
0400	2.60	2.69	1.70					2.47	263.0	0.8965
0600	2.60	2.69	1.70					2.47	165.0	0.9326
0900	2.60	2.69	1.70					2.47	97.0	0.9581
1200	2.60	2.69	1.70					2.47	68.0	0.9849
1800	2.60	2.69	1.70					2.47	33.0	1.0022
2400	2.60	2.69	1.86					2.47	21.0	1.0077



STA. NO. 08048520		STORM RAINFALL AND RUNOFF RECORD							1975 WATER YEAR			
SYCAMORE CREEK AT INTERSTATE HWY 35-W, FORT WORTH, TEX.							STORM OF JUNE 10, 1975			ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R					WEIGHTED	IN	RUNOFF			
		1-SC	2-SC	3-SC				PRECIP.	FT ³ /S	IN.		
JUNE 10												
0000		0.0	0.0	0.0				0.0	21.0	0.0009		
0100		0.0	0.0	0.0				0.0	21.0	0.0023		
0130		0.09	0.06	0.11				0.08	21.0	0.0030		
0145		0.29	0.21	0.25				0.24	25.0	0.0035		
0200		0.46	0.35	0.35				0.39	42.0	0.0045		
0215		0.49	0.44	0.42				0.45	62.0	0.0058		
0230		0.55	0.48	0.56				0.52	91.0	0.0078		
0245		0.59	0.50	0.60				0.55	129.0	0.0106		
0300		0.62	0.55	0.65				0.59	209.0	0.0152		
0315		0.66	0.57	0.70				0.62	285.0	0.0214		
0330		0.70	0.61	0.73				0.66	313.0	0.0283		
0345		0.76	0.67	0.82				0.73	325.0	0.0354		
0400		0.87	0.79	0.90				0.84	363.0	0.0473		
0430		1.03	0.91	1.02				0.97	528.0	0.0704		
0500		1.04	0.91	1.02				0.97	676.0	0.1000		
0530		1.04	0.91	1.02				0.97	865.0	0.1284		
0545		1.04	0.91	1.02				0.97	885.0	0.1478		
0600		1.04	0.91	1.02				0.97	865.0	0.1951		
0700		1.04	0.91	1.02				0.97	712.0	0.2575		
0800		1.04	0.91	1.02				0.97	592.0	0.3093		
0900		1.04	0.91	1.02				0.97	536.0	0.3562		
1000		1.04	0.91	1.02				0.97	452.0	0.4156		
1200		1.04	0.91	1.02				0.97	280.0	0.4646		
1400		1.04	0.91	1.02				0.97	180.0	0.4961		
1600		1.04	0.91	1.02				0.97	128.0	0.5185		
1800		1.04	0.91	1.02				0.97	94.0	0.5391		
2100		1.04	0.91	1.02				0.97	66.0	0.5564		
2400		1.04	0.91	1.02				0.97	46.0	0.5685		
JUNE 11												
0000		1.04	0.91	1.02				0.97	46.0	0.5685		
0600		1.04	0.91	1.02				0.97	27.0	0.5887		
1200		1.04	0.91	1.02				0.97	21.0	0.5998		
1800		1.04	0.91	1.02				0.97	16.0	0.6082		
2400		1.04	0.91	1.02				0.97	14.0	0.6118		

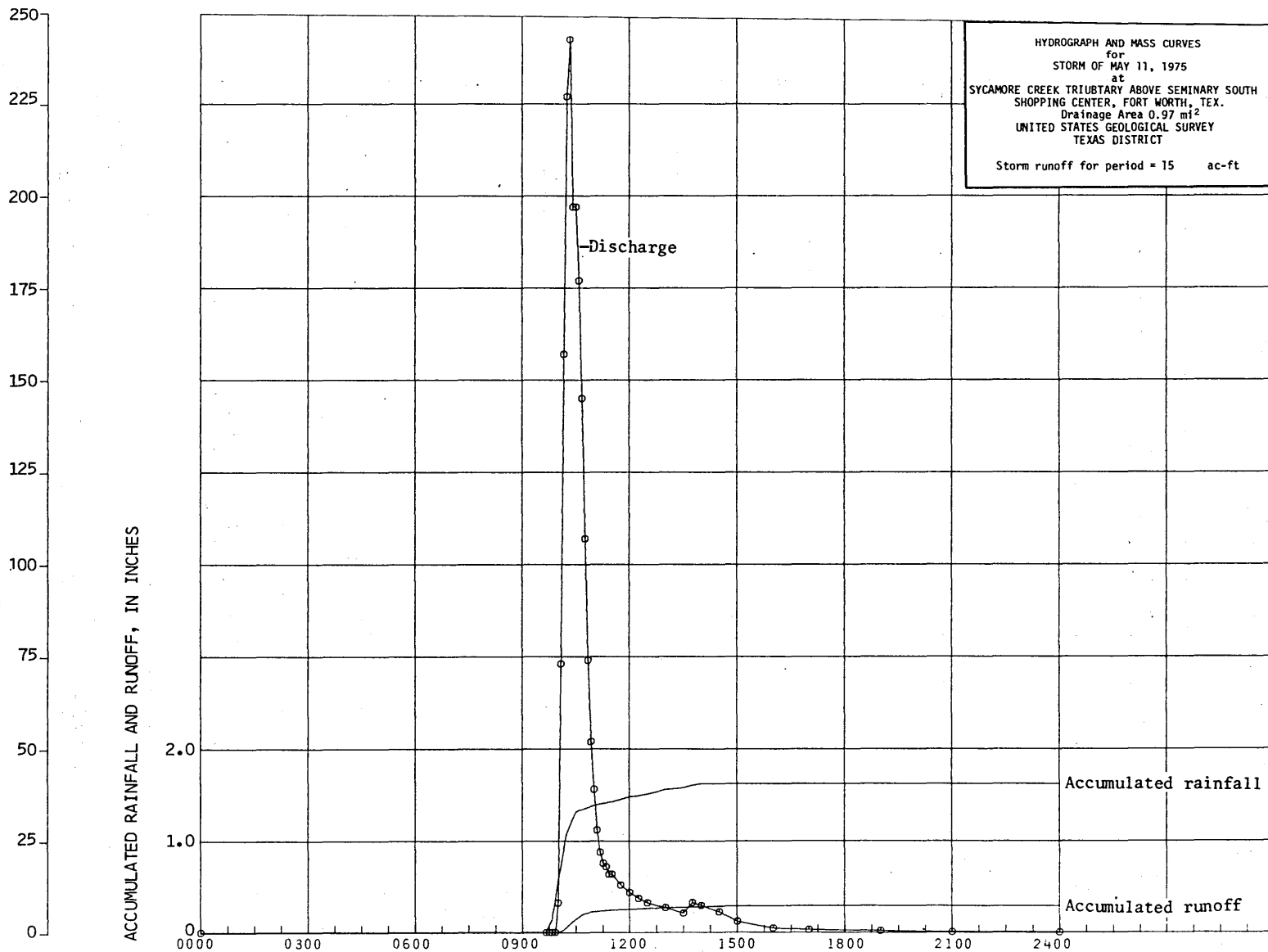
-43-



STA. NO. 08048530		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
SYCAMORE CK TRIB ABV SEM. S. SHOP. CENTER, FT WORTH, TEX							STORM OF MAY 11, 1975			
DATE & TIME	G A G E N U M B E R						ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.	
	1-ST	2-ST								
MAY 11										
0000	0.0	0.0					0.0	0.1	0.0008	
0940	0.0	0.0					0.0	0.1	0.0016	
0945	0.09	0.04					0.08	0.1	0.0016	
0950	0.17	0.07					0.15	0.1	0.0016	
0955	0.36	0.12					0.31	0.1	0.0016	
1000	0.65	0.17					0.54	8.2	0.0027	
1005	0.86	0.21					0.72	73.0	0.0124	
1010	1.06	0.35					0.91	157.0	0.0333	
1015	1.24	0.52					1.08	227.0	0.0635	
1020	1.31	0.63					1.16	243.0	0.0959	
1025	1.37	0.78					1.24	197.0	0.1221	
1030	1.41	0.96					1.31	197.0	0.1483	
1035	1.42	1.02					1.33	177.0	0.1719	
1040	1.42	1.05					1.34	145.0	0.1912	
1045	1.43	1.07					1.35	107.0	0.2054	
1050	1.44	1.09					1.36	74.0	0.2153	
1055	1.45	1.10					1.37	52.0	0.2222	
1100	1.45	1.11					1.38	39.0	0.2274	
1105	1.47	1.11					1.39	28.0	0.2311	
1110	1.48	1.12					1.40	22.0	0.2341	
1115	1.49	1.12					1.41	19.0	0.2366	
1120	1.49	1.13					1.41	18.0	0.2390	
1125	1.50	1.14					1.42	16.0	0.2411	
1130	1.5	1.15					1.42	16.0	0.2454	
1145	1.53	1.17					1.45	13.0	0.2506	
1200	1.56	1.19					1.48	11.0	0.2550	
1215	1.57	1.21					1.49	9.4	0.2587	
1230	1.59	1.23					1.51	8.2	0.2636	
1300	1.65	1.24					1.56	6.8	0.2691	
1330	1.67	1.26					1.58	5.3	0.2722	
1345	1.70	1.27					1.61	8.2	0.2755	
1400	1.72	1.28					1.62	7.4	0.2799	
1430	1.72	1.28					1.62	5.6	0.2844	
1500	1.72	1.28					1.62	3.0	0.2880	
1600	1.72	1.28					1.62	1.2	0.2899	
1700	1.72	1.28					1.62	0.8	0.2918	
1900	1.72	1.28					1.62	0.5	0.2934	
2100	1.72	1.28					1.62	0.2	0.2942	
2400	1.72	1.28					1.62	0.2	0.2947	

DISCHARGE, IN CUBIC FEET PER SECOND

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES



STA. NO. 08048530

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

SYCAMORE CK TRIB ABV SEM. S. SHOP. CENTER, FT WORTH, TEX

STORM OF JUNE 8, 1975

WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
----------------------------	---------------------------------------	-------------------------

DATE & TIME

1-ST

2-ST

G A G E N U M B E R

JUNE 8

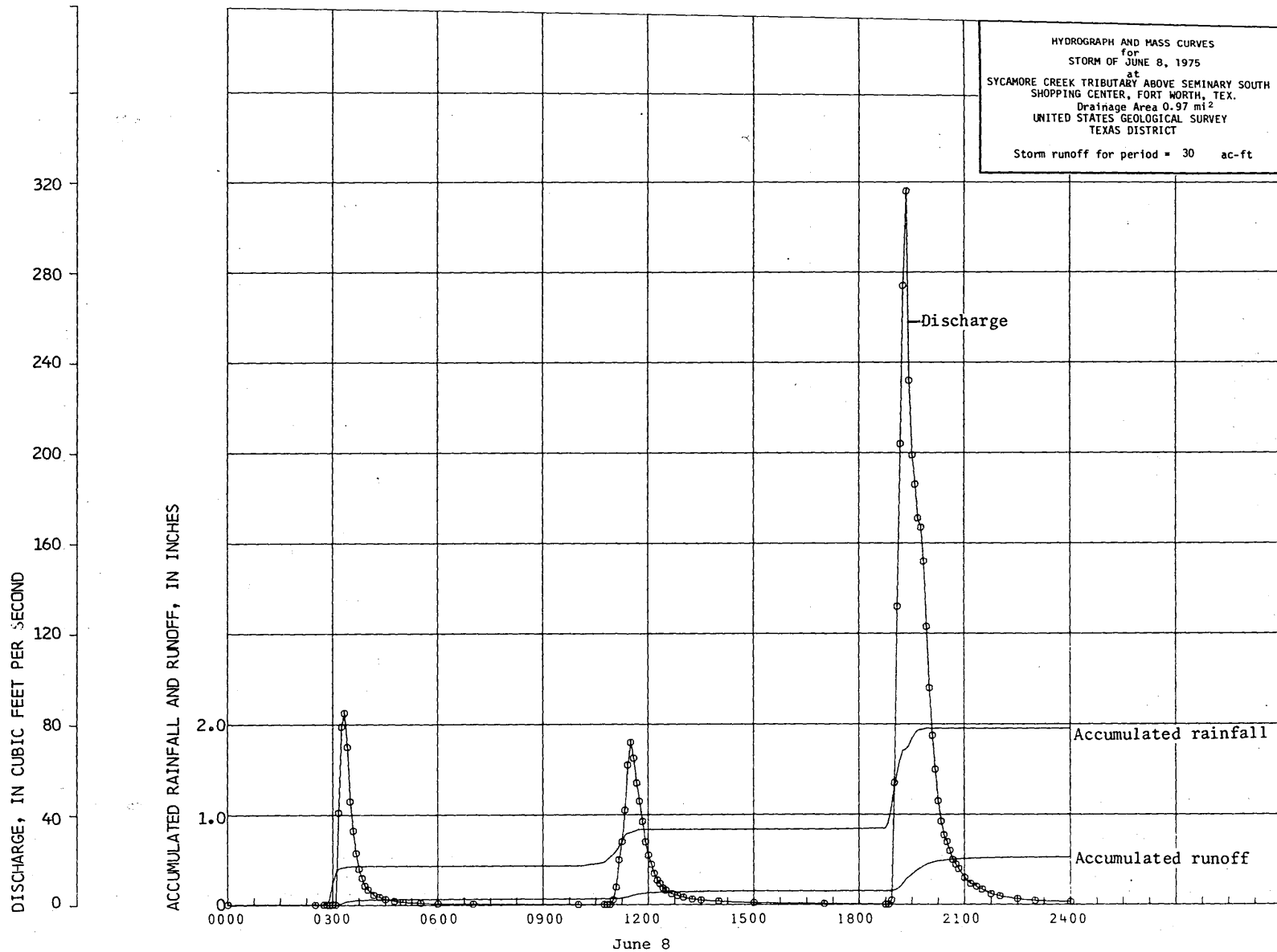
0000	0.0	0.0						0.0	0.2	0.0004
0230	0.0	0.0						0.0	0.2	0.0008
0245	0.01	0.0						0.01	0.2	0.0009
0250	0.02	0.0						0.02	0.2	0.0009
0255	0.09	0.01						0.07	0.2	0.0009
0300	0.26	0.13						0.23	0.2	0.0010
0305	0.39	0.19						0.35	0.2	0.0010
0310	0.43	0.30						0.40	41.0	0.0065
0315	0.44	0.33						0.42	79.0	0.0170
0320	0.44	0.34						0.42	85.0	0.0283
0325	0.45	0.35						0.43	70.0	0.0376
0330	0.45	0.36						0.43	46.0	0.0437
0335	0.45	0.37						0.43	33.0	0.0481
0340	0.45	0.37						0.43	23.0	0.0512
0345	0.45	0.37						0.43	16.0	0.0533
0350	0.45	0.37						0.43	12.0	0.0549
0355	0.45	0.37						0.43	8.6	0.0561
0400	0.45	0.37						0.43	6.8	0.0574
0410	0.45	0.37						0.43	4.5	0.0586
0420	0.45	0.37						0.43	3.5	0.0595
0430	0.45	0.37						0.43	2.7	0.0604
0445	0.45	0.37						0.43	1.8	0.0612
0500	0.45	0.37						0.43	1.3	0.0619
0530	0.45	0.37						0.43	0.9	0.0627
0600	0.45	0.37						0.43	0.6	0.0634
0700	0.45	0.37						0.43	0.5	0.0650
1000	0.45	0.37						0.43	0.2	0.0656
1045	0.50	0.37						0.47	0.2	0.0657
1050	0.53	0.34						0.50	0.2	0.0657
1055	0.56	0.40						0.52	0.2	0.0658
1100	0.59	0.43						0.55	2.2	0.0661
1105	0.63	0.46						0.59	7.8	0.0671
1110	0.68	0.49						0.64	20.0	0.0698
1115	0.74	0.53						0.69	28.0	0.0735
1120	0.82	0.57						0.76	42.0	0.0791
1125	0.85	0.60						0.79	62.0	0.0873
1130	0.85	0.63						0.80	72.0	0.0969
1135	0.86	0.65						0.81	65.0	0.1056
1140	0.87	0.67						0.83	54.0	0.1128

STORM RAINFALL AND RUNOFF RECORD								1975 WATER YEAR		
SYCAMORE CK TRIB ARV SEM. S. SHOP. CENTER, FT WORTH, TEX STORM OF JUNE 8, 1975								ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
DATE & TIME	1-ST	2-ST	G A G E N U M B E R							
JUNE 8										
1145	0.88	0.69						0.84	46.0	0.1189
1150	0.88	0.69						0.84	37.0	0.1238
1155	0.88	0.69						0.84	28.0	0.1275
1200	0.88	0.69						0.84	22.0	0.1305
1205	0.88	0.69						0.84	18.0	0.1329
1210	0.88	0.69						0.84	14.0	0.1347
1215	0.88	0.69						0.84	11.0	0.1362
1220	0.88	0.69						0.84	9.4	0.1374
1225	0.88	0.69						0.84	7.4	0.1384
1230	0.88	0.69						0.84	6.5	0.1397
1240	0.88	0.69						0.84	4.8	0.1410
1250	0.88	0.69						0.84	4.1	0.1421
1300	0.88	0.69						0.84	3.3	0.1432
1315	0.88	0.69						0.84	2.5	0.1442
1330	0.88	0.69						0.84	2.1	0.1454
1400	0.88	0.69						0.84	1.6	0.1474
1500	0.88	0.69						0.84	0.8	0.1493
1700	0.88	0.69						0.84	0.5	0.1508
1845	0.89	0.71						0.85	0.2	0.1511
1850	0.94	0.81						0.91	0.2	0.1511
1855	1.06	1.06						1.06	1.9	0.1513
1900	1.23	1.25						1.27	54.0	0.1585
1905	1.44	1.50						1.45	132.0	0.1761
1910	1.59	1.67						1.61	204.0	0.2033
1915	1.64	1.76						1.71	274.0	0.2397
1920	1.72	1.78						1.72	316.0	0.2818
1925	1.75	1.81						1.76	232.0	0.3127
1930	1.82	1.85						1.83	199.0	0.3392
1935	1.84	1.90						1.89	186.0	0.3640
1940	1.92	1.94						1.92	171.0	0.3867
1945	1.93	1.96						1.94	167.0	0.4089
1950	1.94	1.96						1.94	152.0	0.4292
1955	1.95	1.96						1.95	123.0	0.4456
2000	1.95	1.96						1.95	96.0	0.4583
2005	1.95	1.96						1.95	75.0	0.4683
2010	1.95	1.96						1.95	60.0	0.4763
2015	1.95	1.96						1.95	46.0	0.4824
2020	1.95	1.96						1.95	37.0	0.4874
2025	1.95	1.96						1.95	31.0	0.4915

STA. NO. 08048530		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
SYCAMORE CK TRIB ABV SEM. S. SHOP. CENTER, FT WORTH, TEX STORM OF JUNE 8, 1975								ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R						WEIGHTED	IN	RUNOFF
		1-ST	2-ST					PRECIP.		
								IN.	FT ³ /S	IN.
JUNE 8										
2030		1.95	1.96					1.95	28.0	0.4952
2035		1.95	1.96					1.95	24.0	0.4984
2040		1.95	1.96					1.95	20.0	0.5011
2045		1.95	1.96					1.95	18.0	0.5035
2050		1.95	1.96					1.95	16.0	0.5067
2100		1.95	1.96					1.95	12.0	0.5099
2110		1.95	1.96					1.95	9.4	0.5124
2120		1.95	1.96					1.95	8.2	0.5145
2130		1.95	1.96					1.95	6.8	0.5168
2145		1.95	1.96					1.95	4.8	0.5187
2200		1.95	1.96					1.95	3.9	0.5211
2230		1.95	1.96					1.95	2.7	0.5232
2300		1.95	1.96					1.95	1.9	0.5255
2400		1.95	1.96					1.95	1.3	0.5265

HYDROGRAPH AND MASS CURVES
for
STORM OF JUNE 8, 1975
at
SYCAMORE CREEK TRIBUTARY ABOVE SEMINARY SOUTH
SHOPPING CENTER, FORT WORTH, TEX.
Drainage Area 0.97 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT

Storm runoff for period = 30 ac-ft



STA. NO. 08048530

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

SYCAMORE CK TRIB ABV SEM. S. SHOP. CENTER, FT WORTH, TEX

STORM OF SEPTEMBER 15, 1975

ACCUM.

DISCHARGE

ACCUM.

DATE & TIME

1-ST

2-ST

G A G E

N U M B E R

WEIGHTED

IN

RUNOFF

PRECIP.

FT³/S

IN.

SEP. 15

0000

0.0

0.0

0.0

0.1

0.0014

1730

0.0

0.0

0.0

0.1

0.0028

1745

0.01

0.02

0.01

0.1

0.0029

1800

0.10

0.09

0.10

0.1

0.0029

1805

0.11

0.11

0.11

0.1

0.0029

1810

0.11

0.12

0.11

1.5

0.0031

1815

0.11

0.12

0.11

4.5

0.0037

1820

0.11

0.12

0.11

9.0

0.0055

1830

0.11

0.12

0.11

6.2

0.0071

1840

0.11

0.12

0.11

4.5

0.0083

1850

0.11

0.12

0.11

3.3

0.0092

1900

0.11

0.12

0.11

2.2

0.0100

1915

0.12

0.12

0.12

1.6

0.0104

1920

0.29

0.25

0.28

1.5

0.0106

1925

0.46

0.41

0.45

1.4

0.0108

1930

0.57

0.55

0.57

4.8

0.0114

1935

0.64

0.85

0.69

112.0

0.0263

1940

0.66

1.15

0.77

171.0

0.0491

1945

0.67

1.22

0.79

259.0

0.0836

1950

0.67

1.24

0.80

247.0

0.1164

1955

0.68

1.25

0.81

169.0

0.1389

2000

0.68

1.31

0.82

111.0

0.1537

2005

0.69

1.31

0.83

63.0

0.1621

2010

0.70

1.31

0.83

43.0

0.1678

2015

0.72

1.31

0.85

30.0

0.1718

2020

0.73

1.32

0.86

21.0

0.1746

2025

0.73

1.33

0.86

16.0

0.1767

2030

0.73

1.34

0.86

13.0

0.1793

2040

0.74

1.34

0.87

14.0

0.1831

2050

0.76

1.34

0.89

9.0

0.1855

2100

0.79

1.34

0.91

5.6

0.1884

2130

0.86

1.35

0.92

4.3

0.1919

2200

0.89

1.35

0.92

2.7

0.1940

2230

0.89

1.35

0.92

1.5

0.1952

2300

0.89

1.35

0.92

1.0

0.1964

2400

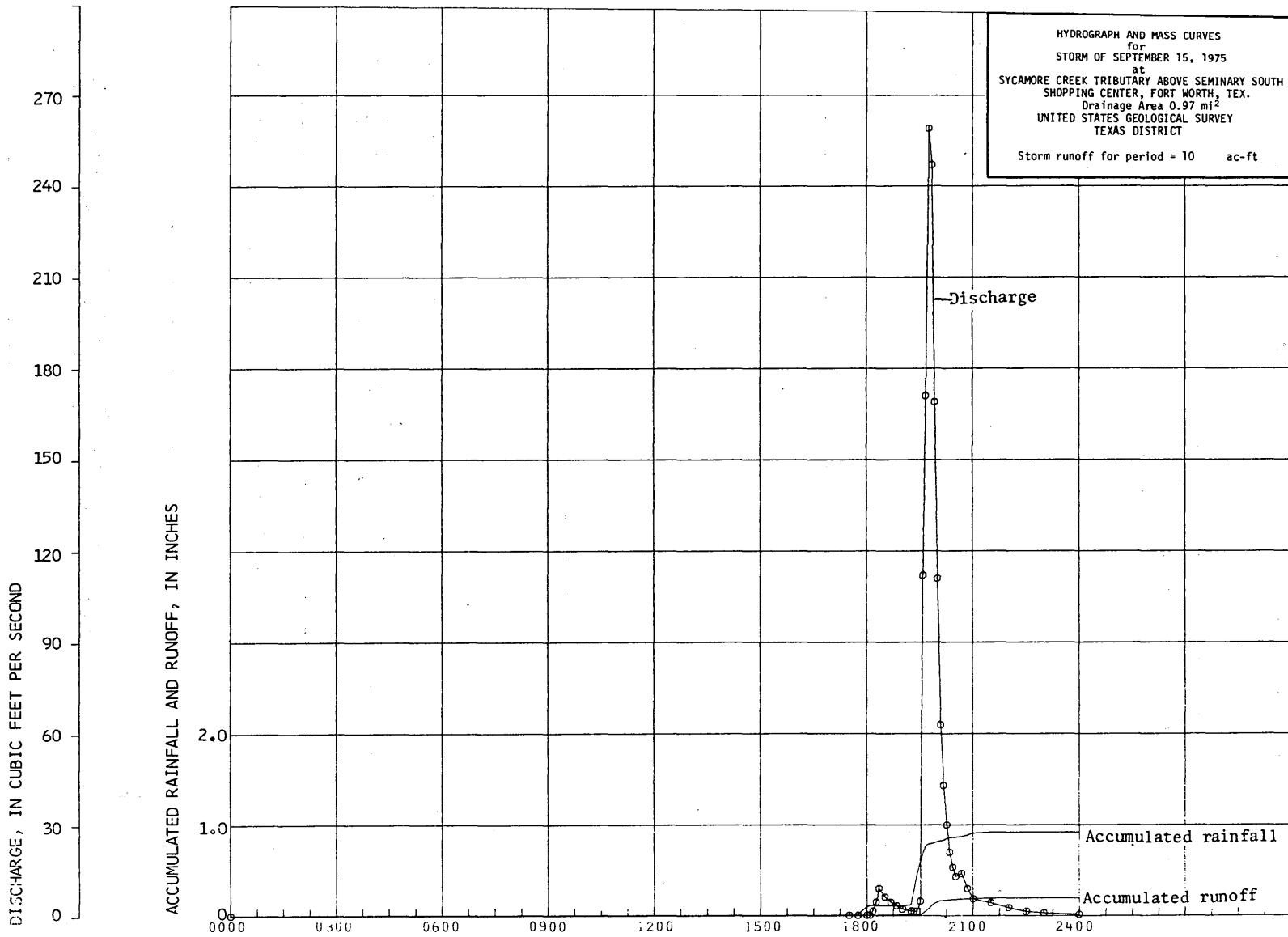
0.89

1.35

0.92

0.5

0.1968



STA. NO. 08048540

STORM RAINFALL AND RUNOFF RECORD

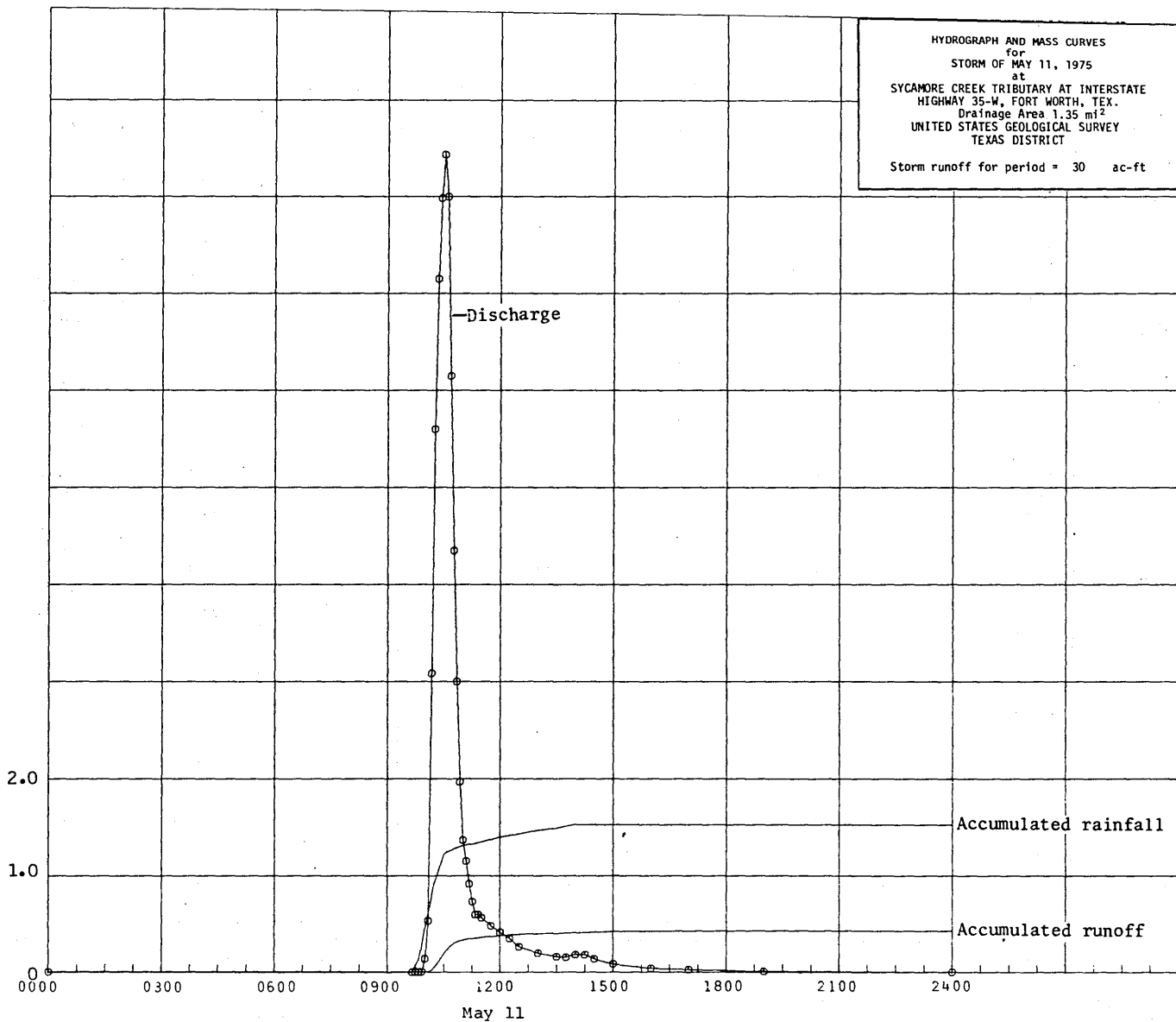
1975 WATER YEAR

SYCAMORE CK TRIB AT INTERSTATE HWY 35-W, FT. WORTH, TEX. STORM OF MAY 11, 1975

DATE & TIME	G A G E N U M B E R						ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
	1-ST	2-ST							
MAY 11									
0000	0.0	0.0					0.0	0.2	0.0011
0040	0.0	0.0					0.0	0.2	0.0022
0045	0.09	0.04					0.07	0.2	0.0022
0050	0.17	0.07					0.13	0.2	0.0023
0055	0.36	0.12					0.25	0.2	0.0023
1000	0.65	0.17					0.44	8.4	0.0031
1005	0.86	0.21					0.57	32.0	0.0062
1010	1.06	0.36					0.75	185.0	0.0238
1015	1.24	0.52					0.92	336.0	0.0560
1020	1.31	0.63					1.01	429.0	0.0970
1025	1.37	0.78					1.11	479.0	0.1428
1030	1.41	0.96					1.21	506.0	0.1912
1035	1.42	1.02					1.24	480.0	0.2372
1040	1.42	1.05					1.26	369.0	0.2724
1045	1.43	1.07					1.27	261.0	0.2974
1050	1.44	1.09					1.29	180.0	0.3146
1055	1.45	1.10					1.30	118.0	0.3259
1100	1.46	1.11					1.31	82.0	0.3338
1105	1.47	1.11					1.31	69.0	0.3404
1110	1.48	1.12					1.32	55.0	0.3456
1115	1.49	1.12					1.33	44.0	0.3498
1120	1.49	1.13					1.33	36.0	0.3533
1125	1.50	1.14					1.34	36.0	0.3567
1130	1.50	1.15					1.35	34.0	0.3632
1145	1.53	1.17					1.37	29.0	0.3715
1200	1.56	1.19					1.40	25.0	0.3787
1215	1.57	1.21					1.41	21.0	0.3847
1230	1.59	1.23					1.43	16.0	0.3916
1300	1.65	1.24					1.47	12.0	0.3985
1330	1.67	1.26					1.49	9.8	0.4027
1345	1.70	1.27					1.51	9.4	0.4054
1400	1.72	1.28					1.53	11.0	0.4086
1415	1.72	1.28					1.53	11.0	0.4117
1430	1.72	1.28					1.53	8.4	0.4154
1500	1.72	1.28					1.53	5.2	0.4198
1600	1.72	1.28					1.53	2.5	0.4227
1700	1.72	1.28					1.53	1.8	0.4258
1900	1.72	1.28					1.53	0.8	0.4290
2400	1.72	1.28					1.53	0.4	0.4302

DISCHARGE, IN CUBIC FEET PER SECOND

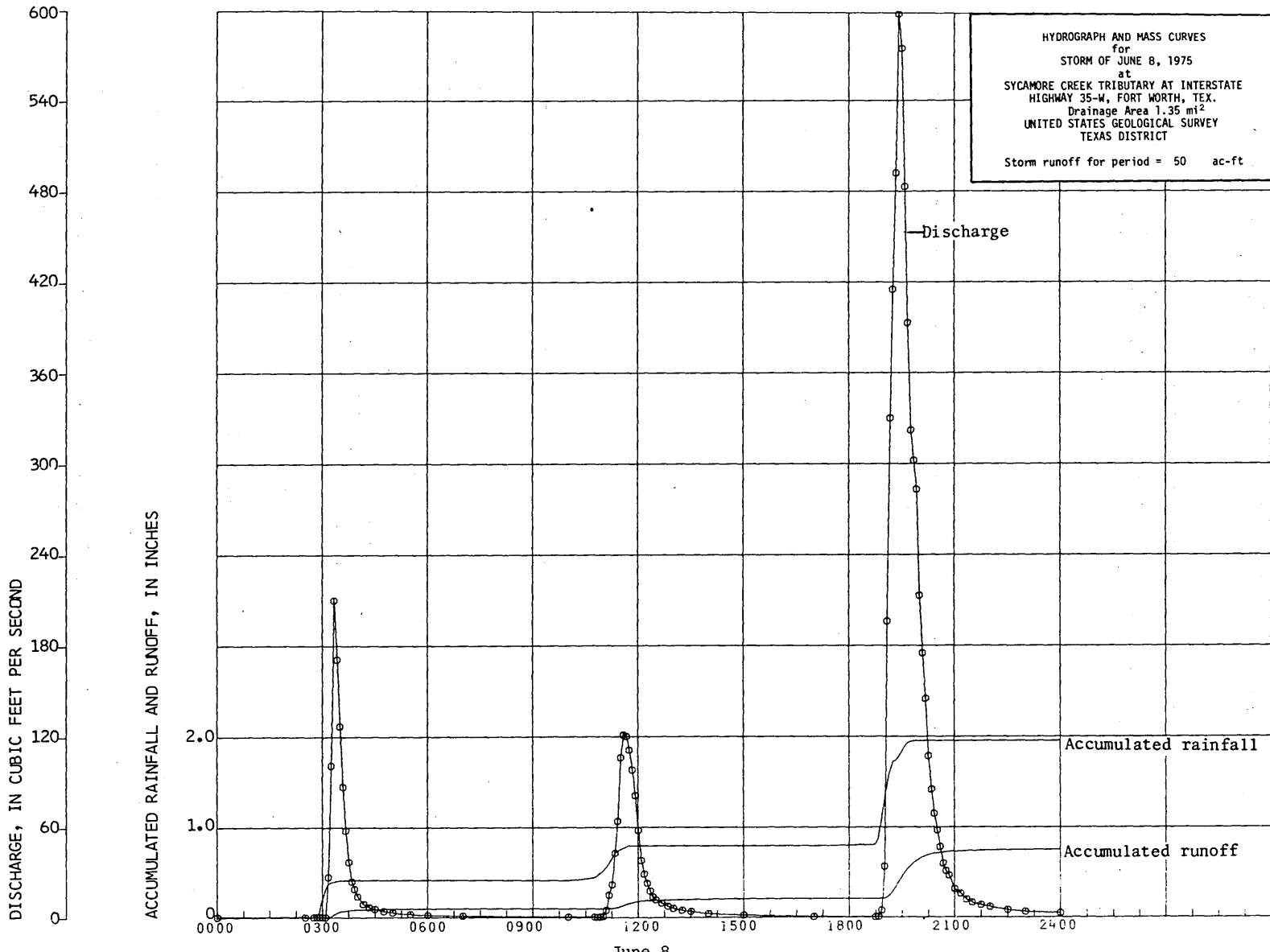
ACCUMULATED RAINFALL AND RUNOFF, IN INCHES



STA. NO. 08048540		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
SYCAMORE CK TRIB AT INTERSTATE HWY 35-W, FT. WORTH, TEX						STORM OF JUNE 8, 1975		ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
DATE & TIME	1-ST	2-ST		G A G E	N U M B E R					
JUNE 8										
0000	0.0	0.0						0.0	0.2	0.0003
0230	0.0	0.0						0.0	0.2	0.0006
0245	0.01	0.0						0.01	0.2	0.0006
0250	0.02	0.0						0.01	0.2	0.0007
0255	0.09	0.01						0.05	0.2	0.0007
0300	0.26	0.13						0.20	0.2	0.0007
0305	0.39	0.19						0.30	0.2	0.0007
0310	0.43	0.30						0.37	27.0	0.0033
0315	0.44	0.33						0.39	101.0	0.0130
0320	0.44	0.34						0.40	210.0	0.0330
0325	0.45	0.35						0.41	171.0	0.0494
0330	0.45	0.36						0.41	127.0	0.0616
0335	0.45	0.37						0.41	87.0	0.0699
0340	0.45	0.37						0.41	58.0	0.0754
0345	0.45	0.37						0.41	37.0	0.0790
0350	0.45	0.37						0.41	24.0	0.0813
0355	0.45	0.37						0.41	19.0	0.0831
0400	0.45	0.37						0.41	14.0	0.0851
0410	0.45	0.37						0.41	9.1	0.0868
0420	0.45	0.37						0.41	6.8	0.0881
0430	0.45	0.37						0.41	5.6	0.0895
0445	0.45	0.37						0.41	4.2	0.0907
0500	0.45	0.37						0.41	3.2	0.0920
0530	0.45	0.37						0.41	2.1	0.0933
0600	0.45	0.37						0.41	1.5	0.0945
0700	0.45	0.37						0.41	1.0	0.0968
1000	0.45	0.37						0.41	0.5	0.0979
1045	0.50	0.37						0.44	0.5	0.0982
1050	0.53	0.38						0.46	0.5	0.0982
1055	0.56	0.40						0.49	0.5	0.0983
1100	0.59	0.43						0.52	0.8	0.0983
1105	0.63	0.46						0.56	4.9	0.0988
1110	0.66	0.49						0.60	15.0	0.1002
1115	0.74	0.53						0.65	22.0	0.1023
1120	0.82	0.57						0.71	43.0	0.1064
1125	0.85	0.60						0.74	64.0	0.1126
1130	0.85	0.63						0.75	106.0	0.1227
1135	0.86	0.65						0.77	121.0	0.1343
1140	0.87	0.67						0.78	120.0	0.1458

STA. NO. 08048540		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
SYCAMORE CK TRIB AT INTERSTATE HWY 35-W, FT. WORTH, TEX						STORM OF JUNE 8, 1975		ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
DATE & TIME	1-ST	2-ST								
JUNE 8										
1145	0.88	0.69						0.80	111.0	0.1564
1150	0.88	0.69						0.80	98.0	0.1658
1155	0.88	0.69						0.80	81.0	0.1735
1200	0.88	0.69						0.80	58.0	0.1790
1205	0.88	0.69						0.80	38.0	0.1827
1210	0.88	0.69						0.80	29.0	0.1855
1215	0.88	0.69						0.80	23.0	0.1877
1220	0.88	0.69						0.80	18.0	0.1894
1225	0.88	0.69						0.80	14.0	0.1907
1230	0.88	0.69						0.80	12.0	0.1924
1240	0.88	0.69						0.80	9.8	0.1943
1250	0.88	0.69						0.80	7.7	0.1958
1300	0.88	0.69						0.80	6.2	0.1973
1315	0.88	0.69						0.80	4.9	0.1987
1330	0.88	0.69						0.80	4.2	0.2005
1400	0.88	0.69						0.80	2.8	0.2029
1500	0.88	0.69						0.80	1.6	0.2056
1700	0.88	0.69						0.80	0.5	0.2067
1845	0.89	0.71						0.81	0.4	0.2071
1850	0.94	0.81						0.88	0.4	0.2072
1855	1.06	1.06						1.06	4.7	0.2076
1900	1.23	1.23						1.27	34.0	0.2109
1905	1.44	1.50						1.47	196.0	0.2296
1910	1.59	1.67						1.63	330.0	0.2612
1915	1.69	1.76						1.72	415.0	0.3009
1920	1.70	1.78						1.74	492.0	0.3480
1925	1.75	1.81						1.78	599.0	0.4053
1930	1.82	1.86						1.84	575.0	0.4603
1935	1.79	1.90						1.89	483.0	0.5065
1940	1.92	1.94						1.93	393.0	0.5440
1945	1.93	1.96						1.94	322.0	0.5748
1950	1.94	1.96						1.95	302.0	0.6037
1955	1.95	1.96						1.95	283.0	0.6308
2000	1.95	1.96						1.95	213.0	0.6512
2005	1.95	1.96						1.95	175.0	0.6679
2010	1.95	1.96						1.95	145.0	0.6818
2015	1.95	1.96						1.95	107.0	0.6920
2120	1.95	1.96						1.95	85.0	0.7002
2125	1.95	1.96						1.95	69.0	0.7068

STA. NO. 0804854						STORM RAINFALL AND RUNOFF RECORD			1975 WATER YEAR		
SYCAMORE CK TRIB AT INTERSTATE HWY 35-W, FT. WORTH, TEX						STORM OF JUNE 8, 1975			ACCUM.	DISCHARGE	ACCUM.
DATE & TIME						G A G E N U M B E R			WEIGHTED PRECIP.	IN	RUNOFF
						1-ST	2-ST		IN.	FT ³ /S	IN.
JUNE 8											
2030						1.95	1.96		1.95	58.0	0.7123
2035						1.95	1.96		1.95	47.0	0.7168
2040						1.95	1.96		1.95	36.0	0.7202
2045						1.95	1.96		1.95	31.0	0.7232
2050						1.95	1.96		1.95	28.0	0.7272
2100						1.95	1.96		1.95	19.0	0.7309
2110						1.95	1.96		1.95	16.0	0.7339
2120						1.95	1.96		1.95	12.0	0.7362
2130						1.95	1.96		1.95	10.0	0.7386
2145						1.95	1.96		1.95	8.4	0.7410
2200						1.95	1.96		1.95	7.1	0.7441
2230						1.95	1.96		1.95	5.1	0.7470
2300						1.95	1.96		1.95	4.0	0.7504
2400						1.95	1.96		1.95	3.0	0.7522



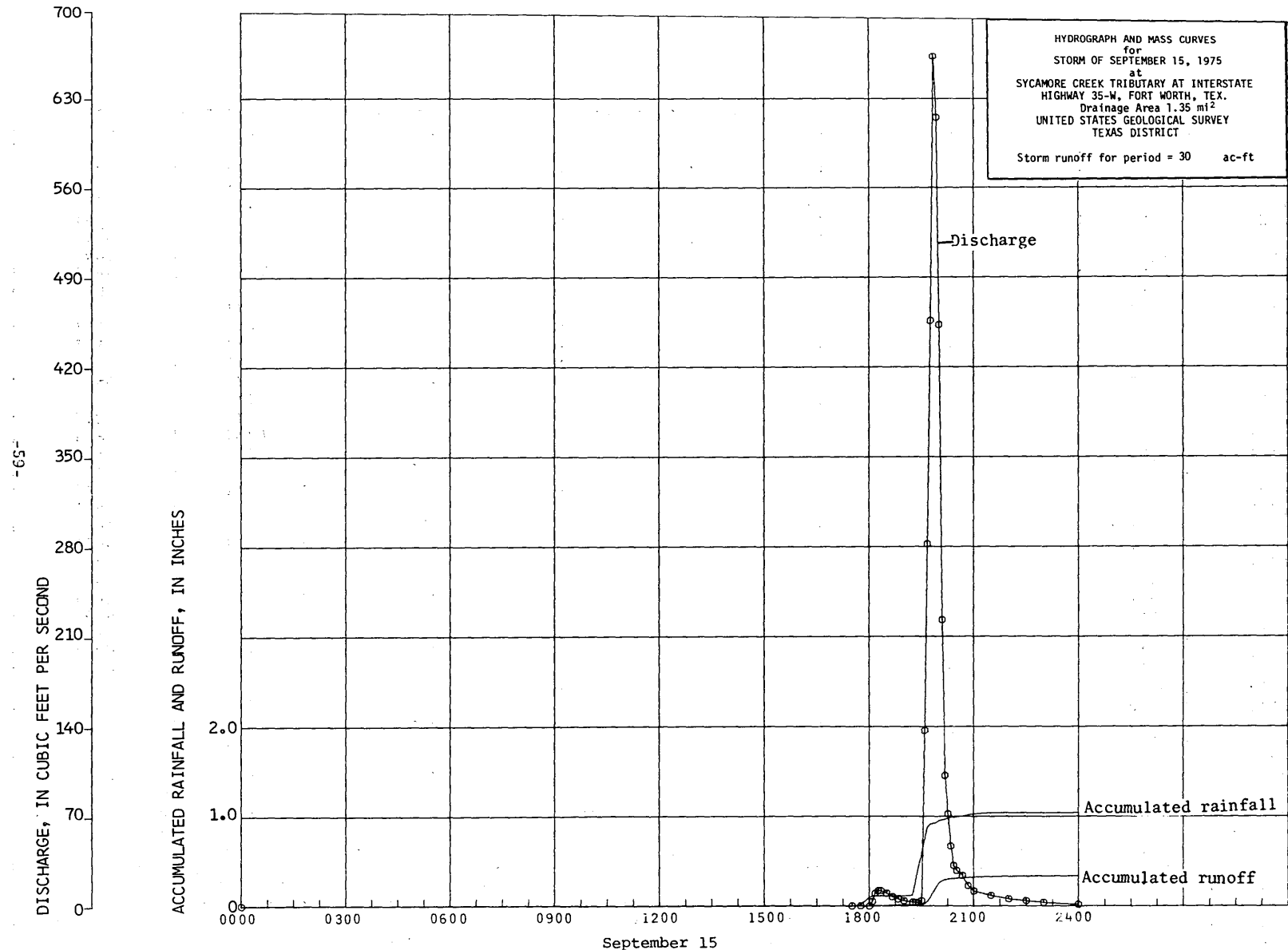
STA. NO. 08048540

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

SYCAMORE CK TRIB AT INTERSTATE HWY 35-W, FT. WORTH, TEX. STORM OF SEPTEMBER 15, 1975

DATE & TIME	P A G E N U M B E R						ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
	1-ST	2-ST							
SEP. 15									
0000	0.0	0.0					0.0	0.1	0.0010
1730	0.0	0.0					0.0	0.1	0.0020
1745	0.01	0.02					0.01	0.1	0.0021
1800	0.10	0.09					0.10	0.1	0.0021
1805	0.11	0.11					0.11	3.7	0.0024
1810	0.11	0.12					0.11	10.0	0.0034
1815	0.11	0.12					0.11	12.0	0.0045
1820	0.11	0.12					0.11	12.0	0.0063
1830	0.11	0.12					0.11	10.0	0.0082
1840	0.11	0.12					0.11	7.3	0.0096
1850	0.11	0.12					0.11	5.4	0.0106
1900	0.11	0.12					0.11	4.2	0.0116
1915	0.12	0.12					0.12	3.0	0.0122
1920	0.29	0.25					0.27	2.7	0.0124
1925	0.46	0.41					0.44	2.4	0.0127
1930	0.57	0.55					0.56	4.2	0.0131
1935	0.64	0.85					0.73	137.0	0.0262
1940	0.66	1.15					0.88	282.0	0.0531
1945	0.67	1.22					0.91	456.0	0.0968
1950	0.67	1.24					0.92	665.0	0.1604
1955	0.68	1.25					0.93	615.0	0.2192
2000	0.68	1.31					0.96	453.0	0.2625
2005	0.69	1.31					0.96	223.0	0.2839
2010	0.70	1.31					0.97	102.0	0.2936
2015	0.72	1.31					0.98	72.0	0.3005
2020	0.73	1.32					0.99	47.0	0.3050
2025	0.73	1.33					0.99	32.0	0.3081
2030	0.73	1.34					1.00	28.0	0.3121
2040	0.74	1.34					1.00	24.0	0.3167
2050	0.76	1.34					1.02	16.0	0.3197
2100	0.79	1.34					1.03	12.0	0.3243
2130	0.80	1.35					1.04	8.4	0.3291
2200	0.80	1.35					1.04	5.8	0.3325
2230	0.80	1.35					1.04	4.4	0.3350
2300	0.80	1.35					1.04	3.0	0.3376
2400	0.80	1.35					1.04	1.5	0.3384

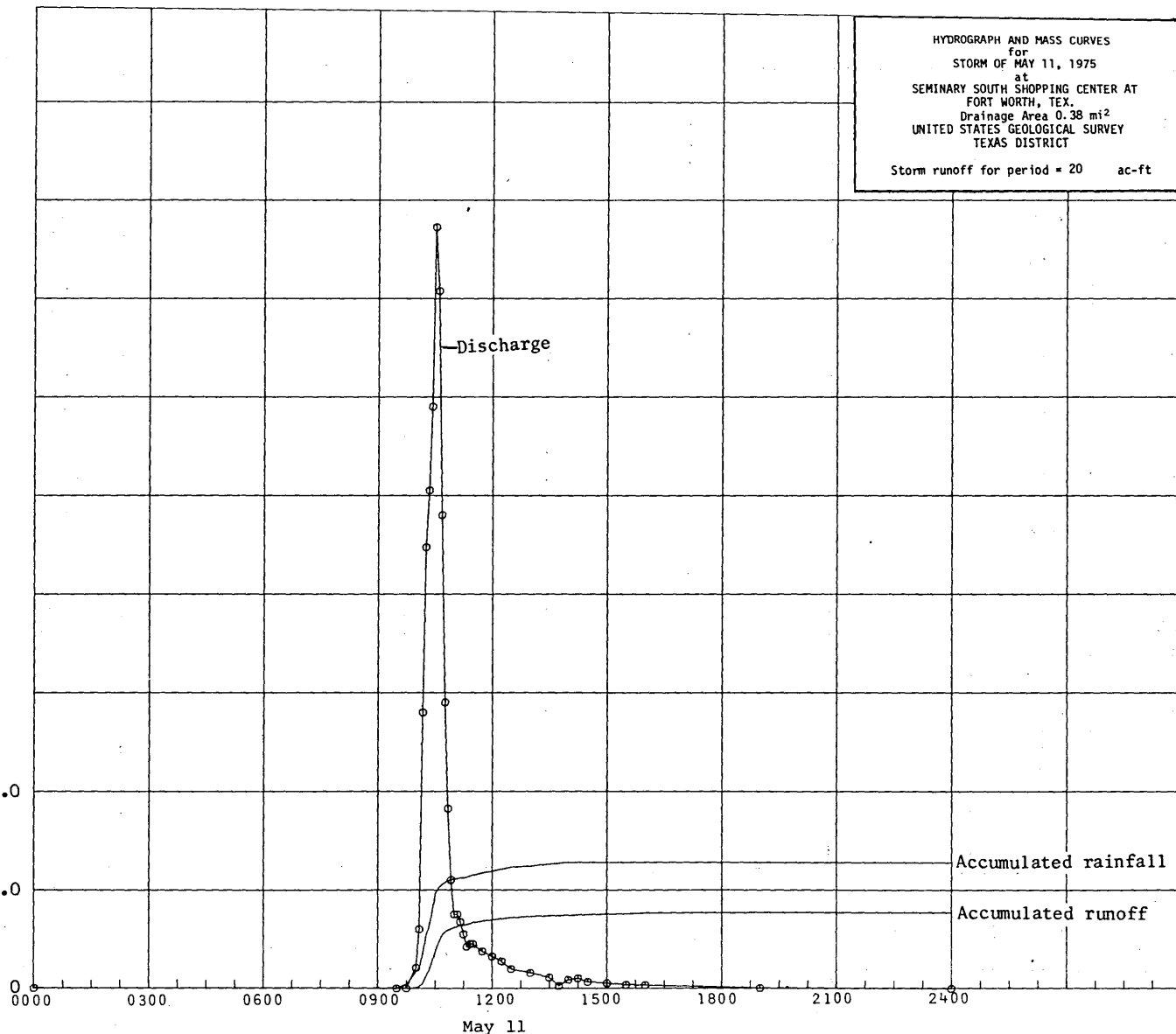


STA. NO.		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
EST. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT WORTH, TEX. STORM OF MAY 11, 1975								ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R						WEIGHTED PRECIP.	IN	RUNOFF
								IN.	FT ³ /S	IN.
=====										
MAY 11										
0000	0.0							0.0	0.0	0.0
0930	0.0							0.0	0.0	0.0
0945	0.04							0.04	0.0	0.0
1000	0.17							0.17	8.3	0.0056
1005	0.21							0.21	24.0	0.0138
1010	0.36							0.36	112.0	0.0519
1015	0.52							0.52	179.0	0.1127
1020	0.63							0.63	202.0	0.1813
1025	0.78							0.78	236.0	0.2615
1030	0.96							0.96	309.0	0.3665
1035	1.02							1.02	283.0	0.4627
1040	1.05							1.05	192.0	0.5279
1045	1.07							1.07	116.0	0.5674
1050	1.09							1.09	73.0	0.5922
1055	1.10							1.10	44.0	0.6071
1100	1.11							1.11	30.0	0.6173
1105	1.11							1.11	30.0	0.6275
1110	1.12							1.12	27.0	0.6367
1115	1.12							1.12	22.0	0.6442
1120	1.13							1.13	17.0	0.6499
1125	1.14							1.14	18.0	0.6561
1130	1.15							1.15	18.0	0.6683
1145	1.17							1.17	15.0	0.6836
1200	1.19							1.19	13.0	0.6968
1215	1.21							1.21	11.0	0.7081
1230	1.23							1.23	7.8	0.7200
1300	1.24							1.24	6.3	0.7328
1330	1.26							1.26	4.4	0.7396
1345	1.27							1.27	1.1	0.7407
1400	1.28							1.28	3.5	0.7442
1415	1.28							1.28	4.1	0.7484
1430	1.28							1.28	2.7	0.7526
1500	1.28							1.28	2.1	0.7568
1530	1.28							1.28	1.5	0.7599
1600	1.28							1.28	1.3	0.7692
1900	1.28							1.28	0.2	0.7724
2400	1.28							1.28	0.0	0.7724
=====										

NATIONAL RAINFALL DATA
 STATION 2125 DISTRICT 10
 STATION 2125 DISTRICT 10
 STATION 2125 DISTRICT 10

DISCHARGE, IN CUBIC FEET PER SECOND

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES



STA. NO.		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
EST. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT WORTH, TEX.							ACCUM.	DISCHARGE	ACCUM.	
EST. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT WORTH, TEX.		STORM OF JUNE 8, 1975						WEIGHTED	IN	RUNOFF
DATE & TIME		G A G E N U M B E R						PRECIP.		
								IN.	FT ³ /S	IN.
JUNE 8										
0000	0.0						0.0	0.0	0.0	
0245	0.0						0.0	0.0	0.0	
0300	0.13						0.13	0.0	0.0	
0305	0.19						0.19	0.0	0.0	
0310	0.30						0.30	27.0	0.0092	
0315	0.33						0.33	60.0	0.0296	
0320	0.34						0.34	131.0	0.0741	
0325	0.35						0.35	86.0	0.1033	
0330	0.36						0.36	57.0	0.1227	
0335	0.37						0.37	41.0	0.1366	
0340	0.37						0.37	25.0	0.1451	
0345	0.37						0.37	14.0	0.1499	
0350	0.37						0.37	8.0	0.1526	
0355	0.37						0.37	7.0	0.1550	
0400	0.37						0.37	5.4	0.1586	
0415	0.37						0.37	3.4	0.1621	
0430	0.37						0.37	2.5	0.1646	
0445	0.37						0.37	2.1	0.1668	
0500	0.37						0.37	1.8	0.1714	
0600	0.37						0.37	0.9	0.1769	
0800	0.37						0.37	0.2	0.1785	
1000	0.37						0.37	0.1	0.1791	
1045	0.37						0.37	0.1	0.1793	
1100	0.43						0.43	0.6	0.1797	
1105	0.46						0.46	2.7	0.1806	
1110	0.49						0.49	7.2	0.1830	
1115	0.53						0.53	2.0	0.1837	
1120	0.57						0.57	15.0	0.1888	
1125	0.60						0.60	22.0	0.1963	
1130	0.63						0.63	44.0	0.2112	
1135	0.65						0.65	49.0	0.2279	
1140	0.67						0.67	55.0	0.2466	
1145	0.69						0.69	57.0	0.2660	
1150	0.69						0.69	52.0	0.2836	
1155	0.69						0.69	44.0	0.2986	
1200	0.69						0.69	30.0	0.3088	
1205	0.69						0.69	16.0	0.3142	
1210	0.69						0.69	11.0	0.3198	
1220	0.69						0.69	7.0	0.3246	

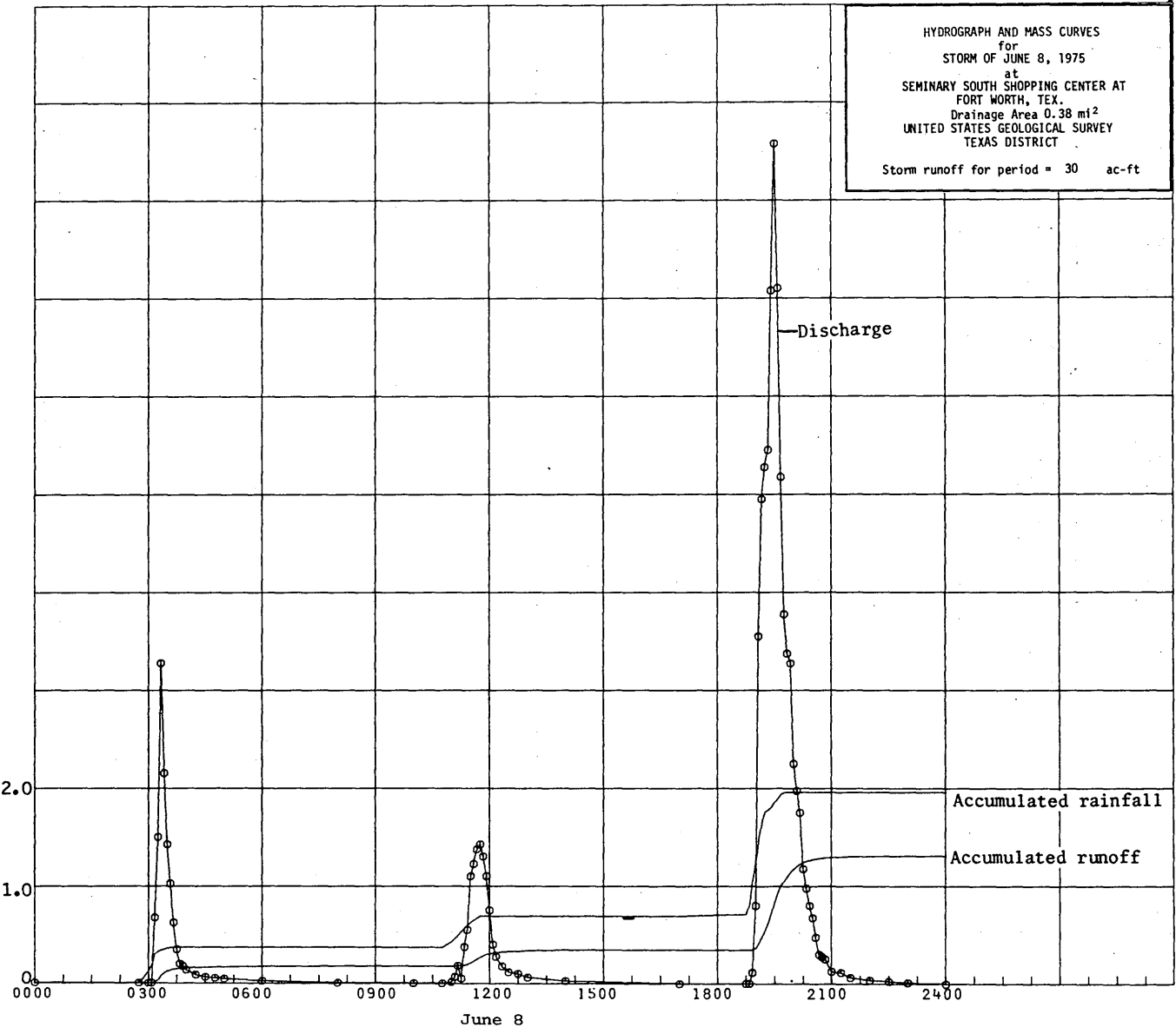
STORM RAINFALL AND RUNOFF RECORD							1975 WATER YEAR		
ST. NO. EST. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT. WORTH, TEX. STORM OF JUNE 8, 1975							ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
DATE & TIME	G A G E N U M B E R								
JUNE 8	POST								
1230	0.69						0.69	4.6	0.3285
1245	0.69						0.69	4.0	0.3326
1300	0.69						0.69	2.5	0.3389
1400	0.69						0.69	1.0	0.3471
1700	0.69						0.69	0.0	0.3471
1845	0.71						0.71	0.0	0.3471
1850	0.81						0.81	0.0	0.3471
1855	1.06						1.06	4.5	0.3486
1900	1.25						1.25	32.0	0.3595
1905	1.50						1.50	142.0	0.4077
1910	1.67						1.67	198.0	0.4750
1915	1.76						1.76	211.0	0.5467
1920	1.78						1.78	218.0	0.6208
1925	1.81						1.81	283.0	0.7170
1930	1.86						1.86	343.0	0.8336
1935	1.90						1.90	284.0	0.9301
1940	1.94						1.94	207.0	1.0004
1945	1.96						1.96	151.0	1.0517
1950	1.96						1.96	135.0	1.0976
1955	1.96						1.96	131.0	1.1421
2000	1.96						1.96	90.0	1.1727
2005	1.96						1.96	79.0	1.1995
2010	1.96						1.96	70.0	1.2233
2015	1.96						1.96	47.0	1.2393
2020	1.96						1.96	39.0	1.2525
2025	1.96						1.96	32.0	1.2634
2030	1.96						1.96	27.0	1.2726
2035	1.96						1.96	19.0	1.2790
2040	1.96						1.96	12.0	1.2831
2045	1.96						1.96	11.0	1.2869
2050	1.96						1.96	10.0	1.2920
2100	1.96						1.96	5.0	1.2962
2115	1.96						1.96	4.6	1.3009
2130	1.96						1.96	2.5	1.3047
2200	1.96						1.96	1.5	1.3078
2230	1.96						1.96	1.0	1.3098
2300	1.96						1.96	0.5	1.3113
2400	1.96						1.96	0.0	1.3113

-79-

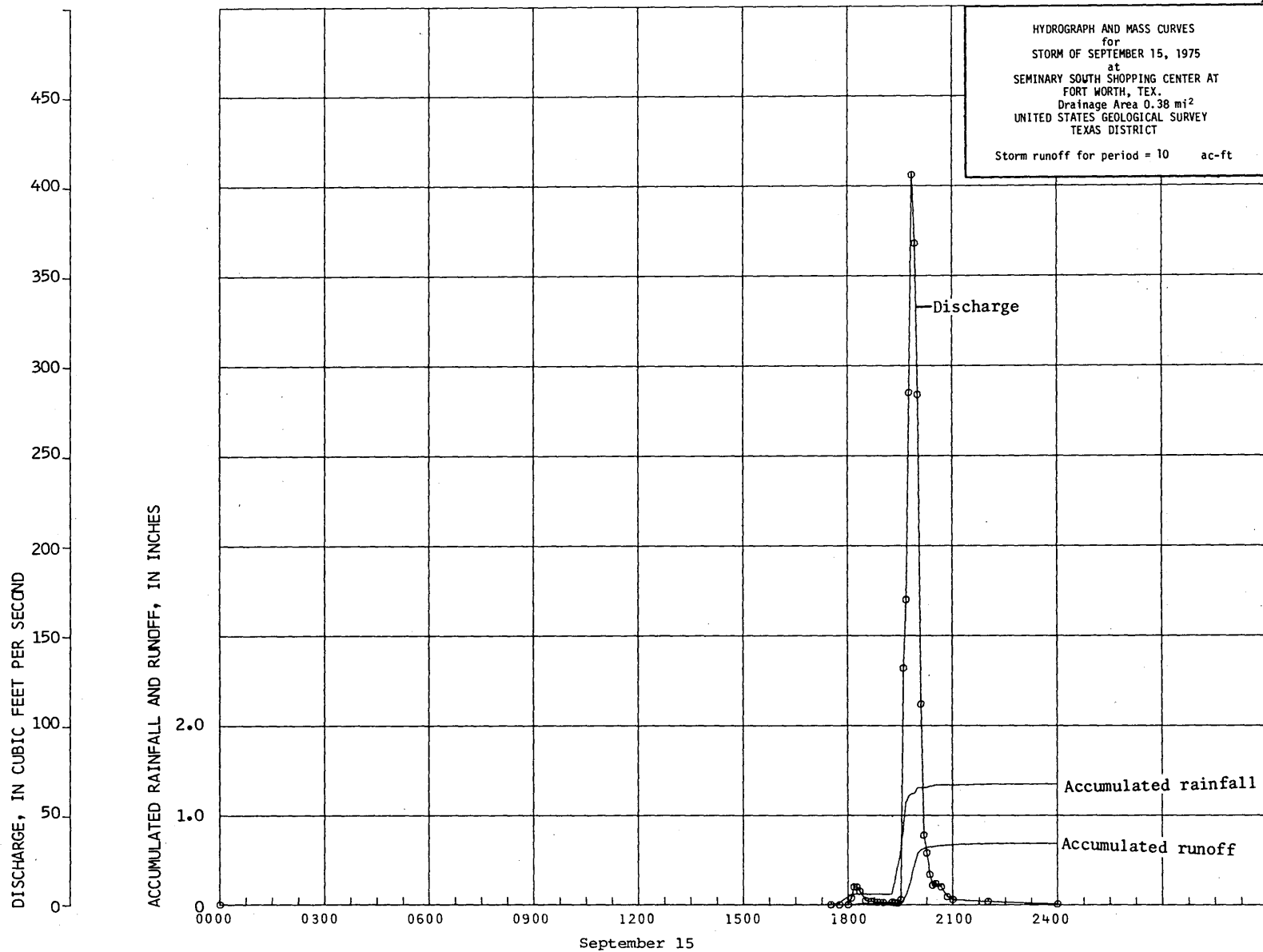
DISCHARGE, IN CUBIC FEET PER SECOND

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES

HYDROGRAPH AND MASS CURVES
for
STORM OF JUNE 8, 1975
at
SEMINARY SOUTH SHOPPING CENTER AT
FORT WORTH, TEX.
Drainage Area 0.38 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT
Storm runoff for period = 30 ac-ft



STORM RAINFALL AND RUNOFF RECORD										1975 WATER YEAR		
STA. NO. E.S.T. OF RUNOFF FROM SEM. S. SHOP. CENTER, FT. WORTH, TEX. STORM OF SEPTEMBER 15, 1975										ACCUM.	DISCHARGE	ACCUM.
DATE & TIME										WEIGHTED PRECIP.	IN	RUNOFF
G A G E N U M B E R										IN.	FT ³ /S	IN.
SEP. 15												
0600	0.0									0.0	0.0	0.0
1730	0.0									0.0	0.0	0.0
1745	0.02									0.02	0.0	0.0
1800	0.09									0.09	0.0	0.0
1805	0.11									0.11	3.7	0.0013
1810	0.12									0.12	10.0	0.0047
1815	0.12									0.12	10.0	0.0081
1820	0.12									0.12	7.5	0.0119
1830	0.12									0.12	2.4	0.0135
1840	0.12									0.12	2.0	0.0149
1850	0.12									0.12	1.5	0.0159
1900	0.12									0.12	1.4	0.0171
1915	0.12									0.12	1.5	0.0181
1920	0.25									0.25	1.1	0.0185
1925	0.41									0.41	0.9	0.0188
1930	0.55									0.55	2.8	0.0197
1935	0.85									0.85	132.0	0.0646
1940	1.15									1.15	170.0	0.1224
1945	1.22									1.22	285.0	0.2192
1950	1.24									1.24	406.0	0.3572
1955	1.25									1.25	368.0	0.4822
2000	1.31									1.31	284.0	0.5787
2005	1.31									1.31	112.0	0.6168
2010	1.31									1.31	39.0	0.6300
2015	1.31									1.31	29.0	0.6399
2020	1.32									1.32	17.0	0.6457
2025	1.33									1.33	11.0	0.6494
2030	1.34									1.34	12.0	0.6555
2040	1.34									1.34	10.0	0.6623
2050	1.34									1.34	4.5	0.6654
2100	1.34									1.34	3.0	0.6725
2200	1.35									1.35	2.0	0.6848
2400	1.35									1.35	0.5	0.6868



STA. NO. 08048600

STORM RAINFALL AND RUNOFF RECORD

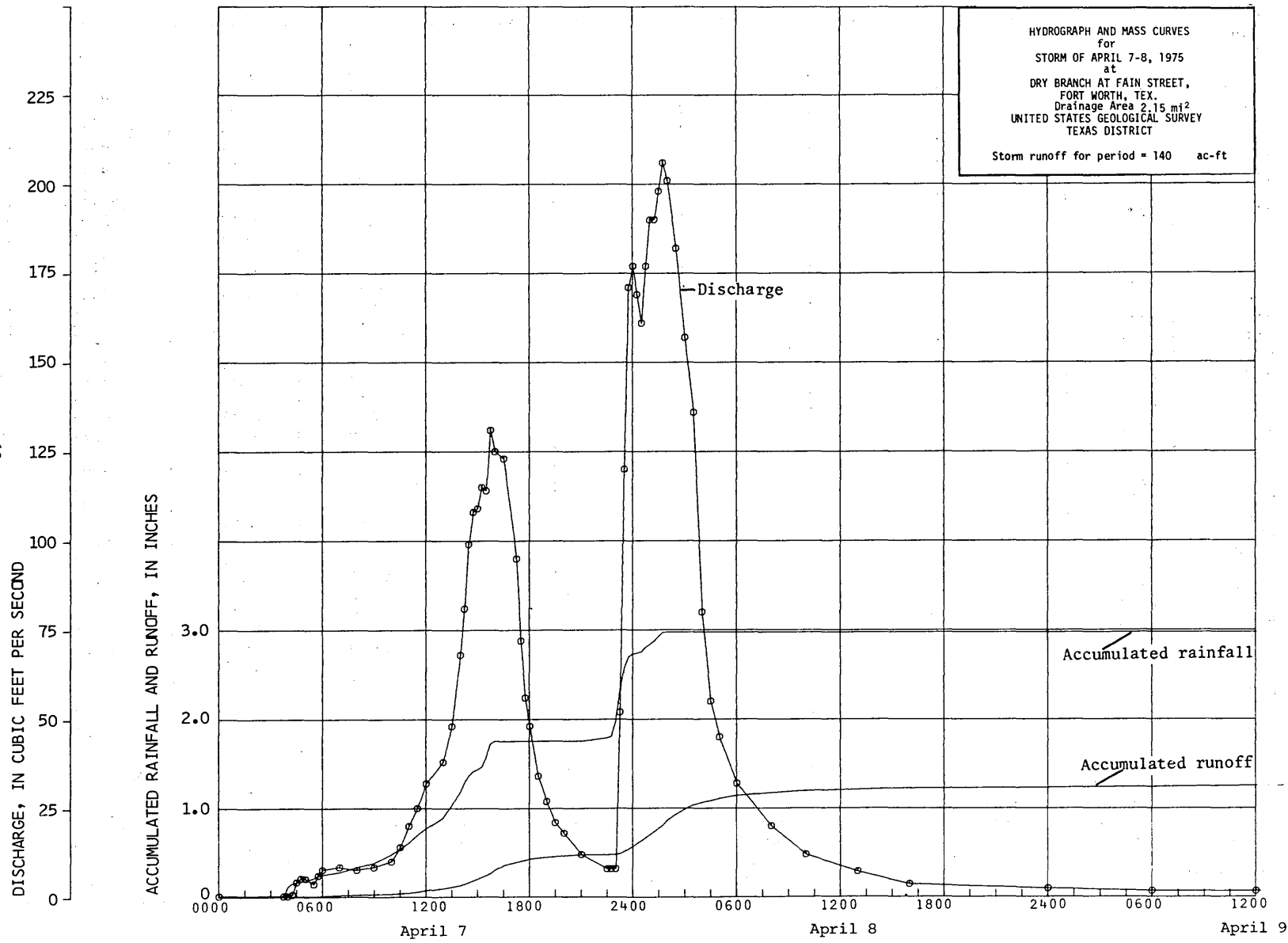
1975 WATER YEAR

DRY BRANCH AT FAIR STREET, FORT WORTH, TEX.

STORM OF APRIL 7-8, 1975

DATE & TIME	G A G E N U M B E R					ACCUM. WEIGHTED PRECIP.	DISCHARGE IN	ACCUM. RUNOFF
	1-DB	2-DB				IN.	FT ³ /S	IN.
APR. 7								
0000	0.0	0.0				0.0	0.2	0.0003
0345	0.0	0.0				0.0	0.2	0.0006
0400	0.12	0.10				0.11	0.2	0.0006
0415	0.16	0.14				0.15	0.6	0.0007
0430	0.17	0.15				0.16	4.1	0.0014
0445	0.18	0.16				0.17	5.1	0.0024
0500	0.19	0.17				0.18	5.1	0.0037
0530	0.22	0.20				0.21	3.6	0.0047
0545	0.25	0.22				0.23	6.0	0.0058
0600	0.26	0.24				0.25	7.6	0.0092
0700	0.30	0.26				0.28	8.4	0.0153
0800	0.34	0.33				0.33	7.6	0.0207
0900	0.40	0.37				0.38	8.4	0.0268
1000	0.48	0.48				0.48	10.0	0.0322
1030	0.54	0.54				0.54	14.0	0.0373
1100	0.62	0.60				0.61	20.0	0.0445
1130	0.71	0.68				0.69	25.0	0.0535
1200	0.79	0.75				0.77	32.0	0.0708
1300	0.90	0.88				0.89	38.0	0.0913
1330	1.03	1.02				1.02	48.0	0.1086
1400	1.19	1.18				1.18	68.0	0.1270
1415	1.30	1.28				1.29	81.0	0.1416
1430	1.38	1.35				1.36	99.0	0.1594
1445	1.44	1.39				1.41	108.0	0.1789
1500	1.46	1.41				1.43	109.0	0.1985
1515	1.48	1.45				1.46	115.0	0.2192
1530	1.55	1.54				1.57	114.0	0.2398
1545	1.70	1.74				1.72	131.0	0.2634
1600	1.76	1.75				1.75	125.0	0.2972
1630	1.76	1.75				1.75	123.0	0.3526
1715	1.76	1.75				1.75	95.0	0.3868
1730	1.76	1.75				1.75	72.0	0.3998
1745	1.76	1.75				1.75	56.0	0.4099
1800	1.76	1.75				1.75	48.0	0.4228
1830	1.76	1.75				1.75	34.0	0.4351
1900	1.76	1.75				1.75	27.0	0.4448
1930	1.76	1.75				1.75	21.0	0.4524
2000	1.76	1.75				1.75	18.0	0.4621
2100	1.76	1.75				1.75	12.0	0.4729

STA. NO. 08048600		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
DRY BRANCH AT FAIR STREET, FORT WORTH, TEX.						STORM OF APRIL 7-8, 1975		ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
DATE & TIME	1-D4	2-D8	G A G E N U M B E R							
APR. 7										
2230	1.79	1.79						1.79	8.0	0.4780
2245	1.80	1.81						1.80	8.0	0.4794
2300	1.91	2.04						1.97	8.0	0.4809
2315	2.16	2.43						2.29	52.0	0.4902
2330	2.43	2.69						2.56	120.0	0.5119
2345	2.51	2.78						2.69	171.0	0.5427
2400	2.64	2.82						2.73	177.0	0.5666
APR. 8										
0000	2.64	2.82						2.73	177.0	0.5666
0015	2.65	2.83						2.74	169.0	0.6050
0030	2.67	2.84						2.75	161.0	0.6340
0045	2.73	2.88						2.80	177.0	0.6659
0100	2.76	2.91						2.83	190.0	0.7002
0115	2.80	2.95						2.87	190.0	0.7344
0130	2.85	3.00						2.92	198.0	0.7701
0145	2.89	3.05						2.97	206.0	0.8072
0200	2.90	3.05						2.97	201.0	0.8615
0230	2.90	3.05						2.97	182.0	0.9271
0300	2.90	3.05						2.97	157.0	0.9837
0330	2.90	3.05						2.97	136.0	1.0327
0400	2.90	3.05						2.97	80.0	1.0615
0430	2.90	3.05						2.97	55.0	1.0813
0500	2.90	3.05						2.97	45.0	1.1057
0600	2.90	3.05						2.97	32.0	1.1402
0800	2.90	3.05						2.97	20.0	1.1691
1000	2.90	3.05						2.97	12.0	1.1907
1300	2.90	3.05						2.97	7.2	1.2063
1600	2.90	3.05						2.97	3.6	1.2205
2400	2.90	3.05						2.97	2.4	1.2301
APR. 9										
0000	2.90	3.05						2.97	2.4	1.2301
0600	2.90	3.05						2.97	1.7	1.2400
1200	2.90	3.05						2.97	1.6	1.2504
2400	2.90	3.05						2.97	1.4	1.2564



STA. NO. 08048600		STORM RAINFALL AND RUNOFF RECORD							1975 WATER YEAR			
DRY BRANCH AT FAIN STREET, FORT WORTH, TEX.							STORM OF JULY 24-25, 1975			ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R							WEIGHTED	IN	RUNOFF	
		1-DB	2-DB						PRECIP.	FT ³ /S	IN.	
		IN.										
JULY 24												
0000		0.0	0.0						0.0	0.0	0.0	
1215		0.0	0.0						0.0	0.0	0.0	
1230		0.33	0.0						0.16	0.0	0.0	
1245		1.10	0.01						0.55	0.0	0.0	
1300		1.29	0.03						0.66	0.0	0.0	
1315		1.49	0.03						0.76	0.0	0.0	
1330		1.50	0.03						0.76	0.0	0.0	
1345		1.50	0.03						0.76	67.0	0.0121	
1400		1.50	0.03						0.76	86.0	0.0276	
1415		1.50	0.03						0.76	90.0	0.0438	
1430		1.50	0.03						0.76	83.0	0.0587	
1445		1.50	0.03						0.76	60.0	0.0696	
1500		1.50	0.03						0.76	43.0	0.0812	
1530		1.50	0.03						0.76	27.0	0.0909	
1600		1.50	0.03						0.76	18.0	0.0974	
1630		1.50	0.03						0.76	12.0	0.1017	
1700		1.50	0.03						0.76	8.0	0.1046	
1730		1.50	0.03						0.76	5.4	0.1065	
1800		1.50	0.03						0.76	4.1	0.1088	
1900		1.50	0.03						0.76	2.8	0.1108	
2000		1.50	0.05						0.77	2.4	0.1125	
2100		1.55	0.10						0.82	1.9	0.1139	
2200		1.61	0.12						0.86	1.7	0.1148	
2230		1.69	0.20						0.94	2.2	0.1154	
2245		1.71	0.26						0.98	3.2	0.1160	
2300		1.75	0.30						1.02	5.1	0.1169	
2315		1.77	0.30						1.03	6.3	0.1180	
2330		1.79	0.32						1.05	7.2	0.1193	
2345		1.80	0.34						1.07	14.0	0.1218	
2400		1.81	0.35						1.08	15.0	0.1245	
JULY 25												
0000		1.81	0.35						1.08	15.0	0.1245	
0030		1.94	0.43						1.18	15.0	0.1299	
0045		2.08	0.49						1.28	16.0	0.1328	
0100		2.28	0.69						1.48	24.0	0.1372	
0115		2.98	0.97						1.97	54.0	0.1469	
0130		3.59	1.54						2.56	148.0	0.1736	
0145		3.86	1.69						2.77	204.0	0.2103	
0200		3.87	1.70						2.78	176.0	0.2420	
0215		3.88	1.70						2.79	148.0	0.2687	

STA. NO. 08048600

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

DRY BRANCH AT FAIR STREET, FORT WORTH, TEX.

STORM OF JULY 24-25, 1975

ACCUM.

DISCHARGE

ACCUM.

DATE & TIME

1-DB

2-DB

G A G E

N U M B E R

WEIGHTED

IN

RUNOFF

PRECIP.

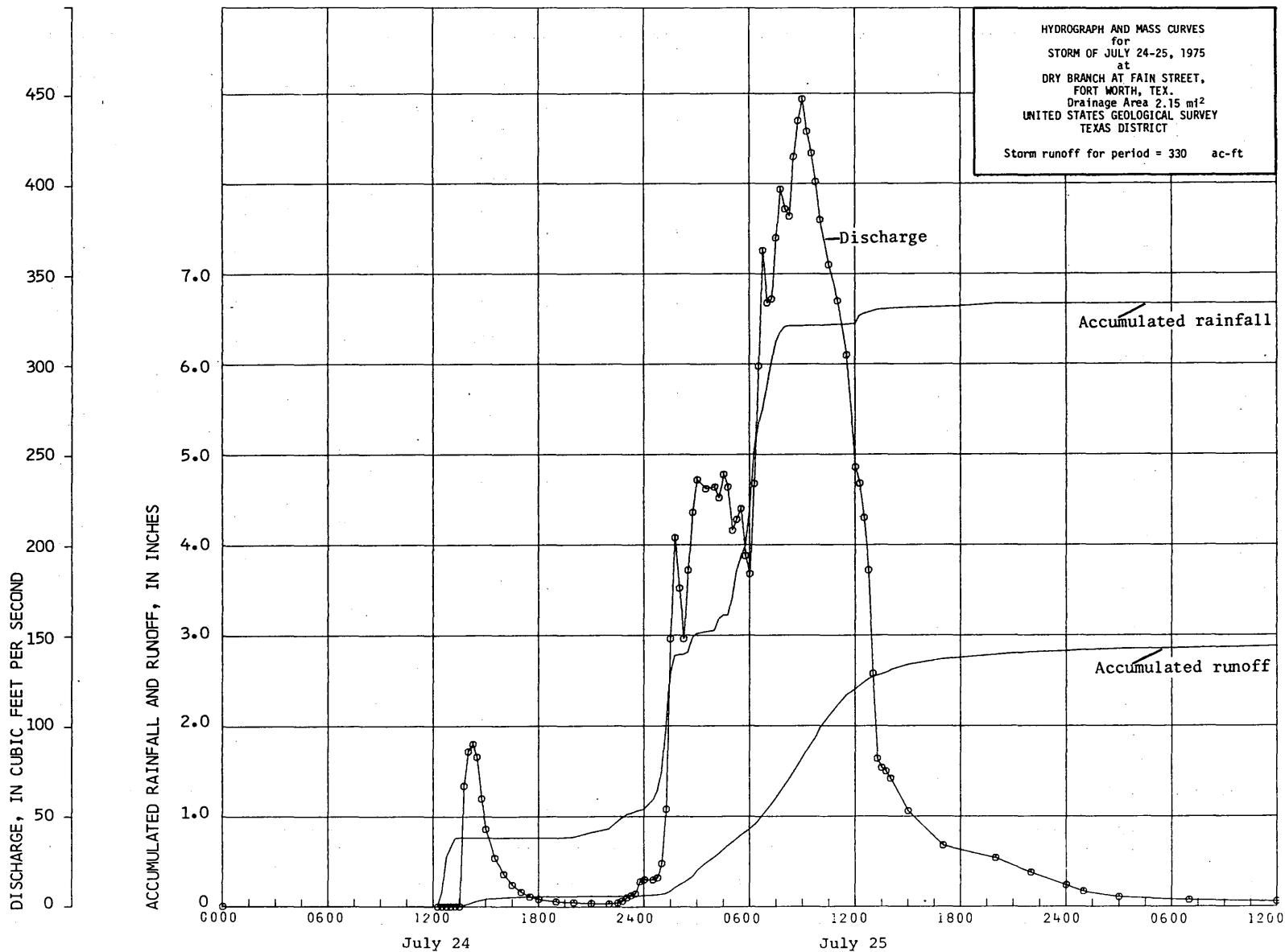
FT³/S

IN.

JULY 25

0230	3.93	1.70						2.81	186.0	0.3022
0245	4.05	1.90						2.97	218.0	0.3415
0300	4.11	1.93						3.02	236.0	0.4053
0330	4.13	1.95						3.04	231.0	0.4885
0400	4.15	1.96						3.05	232.0	0.5512
0415	4.24	2.08						3.18	226.0	0.5919
0430	4.24	2.16						3.22	239.0	0.6350
0445	4.24	2.16						3.22	232.0	0.6768
0500	4.42	2.40						3.41	208.0	0.7143
0515	4.77	2.64						3.70	214.0	0.7528
0530	4.90	2.80						3.85	220.0	0.7925
0545	5.11	2.88						3.99	194.0	0.8274
0600	5.67	3.05						4.36	184.0	0.8606
0615	6.30	3.74						5.02	234.0	0.9028
0630	6.53	4.14						5.33	299.0	0.9566
0645	6.71	4.32						5.51	363.0	1.0220
0700	7.01	4.50						5.75	334.0	1.0822
0715	7.21	4.83						6.02	336.0	1.1428
0730	7.41	5.10						6.25	370.0	1.2094
0745	7.46	5.25						6.35	397.0	1.2810
0800	7.53	5.30						6.41	386.0	1.3505
0815	7.54	5.31						6.42	382.0	1.4193
0830	7.54	5.31						6.42	415.0	1.4941
0845	7.54	5.31						6.42	435.0	1.5725
0900	7.54	5.31						6.42	447.0	1.6530
0915	7.55	5.31						6.43	429.0	1.7303
0930	7.55	5.31						6.43	417.0	1.8055
0945	7.55	5.31						6.43	401.0	1.8777
1000	7.55	5.31						6.43	380.0	1.9804
1030	7.56	5.31						6.43	355.0	2.1084
1100	7.57	5.31						6.44	335.0	2.2291
1130	7.57	5.31						6.44	305.0	2.3390
1200	7.59	5.31						6.45	243.0	2.4047
1215	7.64	5.43						6.53	234.0	2.4468
1230	7.67	5.45						6.56	215.0	2.4856
1245	7.69	5.46						6.57	186.0	2.5191
1300	7.70	5.48						6.59	129.0	2.5423
1315	7.71	5.50						6.60	82.0	2.5571
1330	7.72	5.50						6.61	77.0	2.5710

STA. NO. 08048600		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
DRY BRANCH AT FAIR STREET, FORT WORTH, TEX.		STORM OF JULY 24-25, 1975						ACCUM.	DISCHARGE	ACCUM.
DATE & TIME	G A G E N U M B E R						WEIGHTED	IN	IN	RUNOFF
	1-DB	2-DB					PRECIP.			
							IN.	FT ³ /S		IN.
JULY 25										
1345	7.72	5.50					6.61	75.0	2.5845	
1400	7.73	5.51					6.62	71.0	2.6165	
1500	7.74	5.52					6.63	53.0	2.6738	
1700	7.75	5.52					6.63	34.0	2.7350	
2000	7.78	5.56					6.67	27.0	2.7837	
2200	7.78	5.56					6.67	19.0	2.8111	
2400	7.78	5.56					6.67	12.0	2.8219	
JULY 26										
0000	7.78	5.56					6.67	12.0	2.8219	
0100	7.78	5.56					6.67	8.4	2.8331	
0300	7.78	5.56					6.67	5.4	2.8448	
0700	7.78	5.56					6.67	3.8	2.8571	
1200	7.78	5.56					6.67	2.8	2.8743	
2400	7.78	5.56					6.67	1.7	2.8816	



STA. NO. 08048850				STORM RAINFALL AND RUNOFF RECORD				1975 WATER YEAR		
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX. STORM OF OCTOBER 30-31, 1974								ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
DATE & TIME	G A G E N U M B E R									
	1-LF	2-LF	3-LF							
OCT. 30										
0000	0.0	0.0	0.0					0.0	4.2	0.0029
1100	0.0	0.0	0.0					0.0	3.6	0.0055
1115	0.03	0.02	0.30					0.14	3.6	0.0056
1130	0.04	0.14	0.51					0.26	5.0	0.0058
1200	0.05	0.15	0.51					0.26	6.6	0.0064
1300	0.05	0.15	0.51					0.26	12.0	0.0074
1315	0.05	0.15	0.51					0.26	15.0	0.0079
1330	0.05	0.15	0.51					0.26	27.0	0.0091
1400	0.09	0.20	0.51					0.29	40.0	0.0129
1500	0.15	0.24	0.55					0.34	31.0	0.0153
1515	0.15	0.25	0.55					0.34	28.0	0.0162
1530	0.15	0.25	0.55					0.34	26.0	0.0170
1545	0.15	0.25	0.55					0.34	23.0	0.0178
1600	0.23	0.54	0.94					0.60	23.0	0.0196
1700	0.23	0.55	0.94					0.60	26.0	0.0216
1715	0.23	0.55	0.94					0.60	29.0	0.0225
1730	0.23	0.55	0.94					0.60	57.0	0.0243
1745	0.23	0.55	0.94					0.60	114.0	0.0279
1800	0.23	0.55	0.94					0.60	125.0	0.0338
1830	0.23	0.55	0.94					0.60	109.0	0.0407
1900	0.23	0.55	0.94					0.60	82.0	0.0484
2000	0.24	0.55	0.94					0.60	49.0	0.0546
2100	0.30	0.59	0.97					0.65	37.0	0.0593
2200	0.31	0.59	0.97					0.65	31.0	0.0632
2300	0.56	0.76	1.16					0.86	29.0	0.0668
2400	0.56	0.77	1.17					0.86	32.0	0.0694
OCT. 31										
0000	0.56	0.77	1.17					0.86	32.0	0.0694
0030	0.56	0.77	1.17					0.86	42.0	0.0725
0100	0.66	0.78	1.19					0.91	58.0	0.0753
0115	0.67	0.84	1.24					0.95	62.0	0.0772
0130	0.86	0.90	1.29					1.05	63.0	0.0792
0145	0.89	1.02	1.38					1.12	64.0	0.0812
0200	0.95	1.10	1.45					1.19	70.0	0.0834
0215	1.13	1.13	1.57					1.31	74.0	0.0857
0230	1.30	1.27	1.61					1.42	79.0	0.0882
0245	1.56	1.50	1.85					1.66	93.0	0.0912
0300	1.66	1.65	2.05					1.82	156.0	0.0961
0315	1.67	1.68	2.07					1.84	252.0	0.1040
0330	1.68	1.69	2.08					1.85	385.0	0.1161

STA. NO. 08048850

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX. STORM OF OCTOBER 30-31, 1974

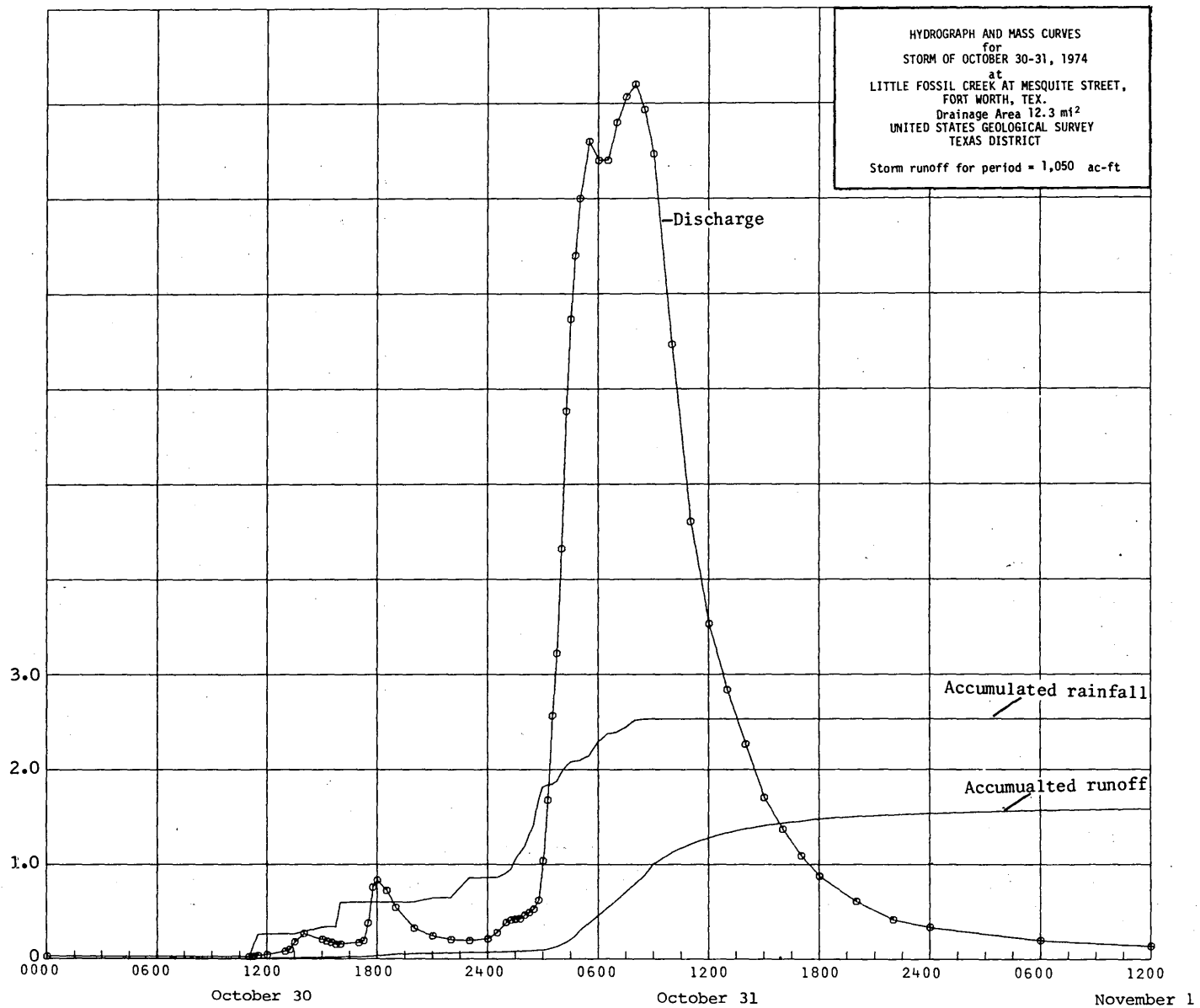
DATE & TIME	G A G E N U M B E R			ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
	1-LF	2-LF	3-LF			
OCT. 31						
0345	1.73	1.71	2.10	1.88	483.0	0.1313
0400	1.80	1.79	2.20	1.96	648.0	0.1518
0415	1.88	1.85	2.27	2.03	865.0	0.1790
0430	1.91	1.91	2.33	2.08	1010.0	0.2108
0445	1.91	1.92	2.34	2.09	1110.0	0.2458
0500	1.92	1.92	2.35	2.10	1200.0	0.3025
0530	1.94	1.95	2.43	2.14	1290.0	0.3837
0600	2.11	2.11	2.55	2.29	1260.0	0.4631
0630	2.18	2.22	2.63	2.37	1260.0	0.5425
0700	2.20	2.25	2.64	2.39	1320.0	0.6256
0730	2.25	2.28	2.70	2.44	1360.0	0.7113
0800	2.30	2.39	2.78	2.52	1380.0	0.7982
0830	2.30	2.41	2.79	2.53	1340.0	0.8826
0900	2.30	2.42	2.79	2.53	1270.0	1.0026
1000	2.30	2.42	2.79	2.53	970.0	1.1248
1100	2.30	2.42	2.79	2.53	691.0	1.2119
1200	2.30	2.42	2.79	2.53	530.0	1.2786
1300	2.30	2.42	2.79	2.53	426.0	1.3323
1400	2.30	2.42	2.79	2.53	340.0	1.3751
1500	2.30	2.42	2.79	2.53	256.0	1.4074
1600	2.30	2.42	2.79	2.53	206.0	1.4333
1700	2.30	2.42	2.79	2.53	164.0	1.4540
1800	2.30	2.42	2.79	2.53	132.0	1.4789
2000	2.30	2.42	2.79	2.53	92.0	1.5021
2200	2.30	2.42	2.79	2.53	63.0	1.5180
2400	2.30	2.42	2.79	2.53	51.0	1.5341
NOV. 1						
0000	2.30	2.42	2.79	2.53	51.0	1.5341
0600	2.30	2.42	2.79	2.53	30.0	1.5664
1200	2.30	2.42	2.79	2.53	21.0	1.5822
1800	2.30	2.42	2.79	2.53	16.0	1.5943
2400	2.30	2.42	2.79	2.53	14.0	1.5996

-97-

DISCHARGE, IN CUBIC FEET PER SECOND

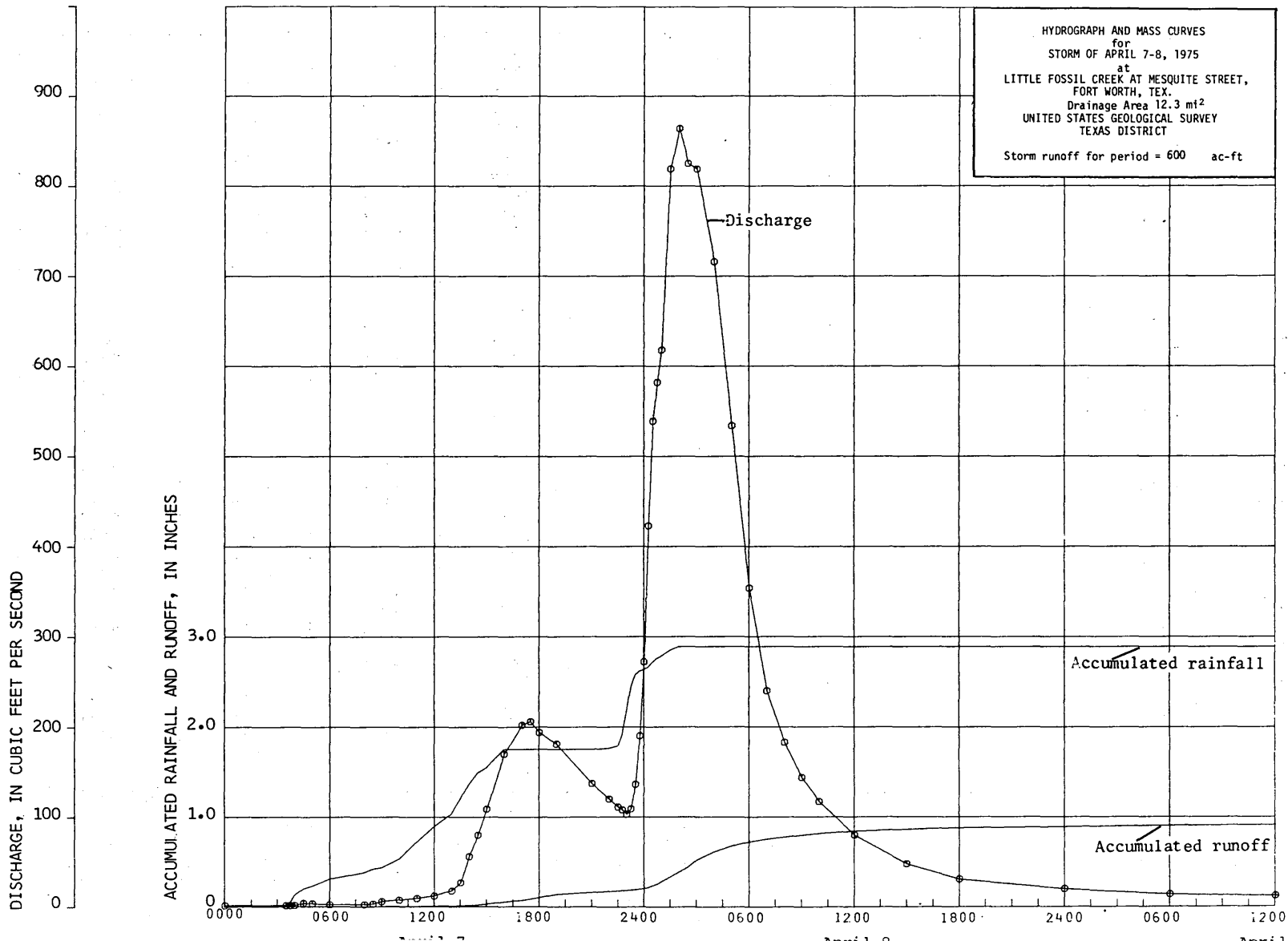
ACCUMULATED RAINFALL AND RUNOFF, IN INCHES

HYDROGRAPH AND MASS CURVES
for
STORM OF OCTOBER 30-31, 1974
at
LITTLE FOSSIL CREEK AT MESQUITE STREET,
FORT WORTH, TEX.
Drainage Area 12.3 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT
Storm runoff for period = 1,050 ac-ft



STORM RAINFALL AND RUNOFF RECORD										1975 WATER YEAR		
STA. NO. 08048850												
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX.										STORM OF APRIL 7-8, 1975		
DATE & TIME	G A G E N U M B E R						ACCUM. WEIGHTED PRECIP. IN.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.			
	1-LF	2-LF	3-LF									
APR. 7												
0000	0.0	0.0	0.0				0.0	1.5	0.0003			
0330	0.0	0.0	0.0				0.0	1.5	0.0007			
0345	0.09	0.06	0.01				0.05	1.5	0.0007			
0400	0.20	0.11	0.08				0.13	1.5	0.0008			
0430	0.30	0.22	0.11				0.20	3.9	0.0010			
0500	0.31	0.28	0.14				0.23	3.6	0.0014			
0600	0.40	0.36	0.21				0.31	2.6	0.0019			
0800	0.45	0.43	0.30				0.38	2.6	0.0023			
0830	0.50	0.48	0.32				0.42	3.2	0.0025			
0900	0.51	0.48	0.35				0.44	5.8	0.0030			
1000	0.60	0.56	0.46				0.53	7.5	0.0040			
1100	0.80	0.77	0.64				0.73	9.4	0.0052			
1200	1.01	0.95	0.77				0.90	12.0	0.0067			
1300	1.12	1.07	0.95				1.04	18.0	0.0084			
1330	1.29	1.22	1.12				1.20	27.0	0.0101			
1400	1.45	1.38	1.29				1.37	56.0	0.0136			
1430	1.61	1.56	1.35				1.49	80.0	0.0186			
1500	1.66	1.60	1.43				1.55	109.0	0.0289			
1600	1.85	1.82	1.63				1.75	170.0	0.0504			
1700	1.85	1.82	1.63				1.75	202.0	0.0695			
1730	1.85	1.82	1.63				1.75	206.0	0.0824			
1800	1.85	1.82	1.63				1.75	194.0	0.1008			
1900	1.85	1.82	1.63				1.75	181.0	0.1350			
2100	1.85	1.82	1.63				1.75	137.0	0.1609			
2200	1.86	1.83	1.64				1.76	120.0	0.1722			
2230	1.90	1.86	1.65				1.79	111.0	0.1774			
2245	2.04	1.94	1.79				1.91	108.0	0.1808			
2300	2.24	2.24	2.06				2.17	103.0	0.1841			
2315	2.54	2.56	2.28				2.44	109.0	0.1875			
2330	2.66	2.70	2.43				2.58	136.0	0.1918			
2345	2.70	2.76	2.46				2.62	190.0	0.1978			
2400	2.72	2.77	2.48				2.63	272.0	0.2042			
APR. 8												
0000	2.72	2.77	2.48				2.63	272.0	0.2042			
0015	2.76	2.80	2.50				2.66	423.0	0.2197			
0030	2.80	2.86	2.56				2.72	539.0	0.2366			
0045	2.85	2.91	2.59				2.76	582.0	0.2550			
0100	2.88	2.92	2.62				2.78	618.0	0.2842			
0130	2.95	3.00	2.67				2.85	819.0	0.3358			
0200	2.98	3.06	2.71				2.89	864.0	0.3902			

STA. NO. 08048850				STORM RAINFALL AND RUNOFF RECORD				1975 WATER YEAR		
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX.				STORM OF APRIL 7-8, 1975				ACCUM.	DISCHARGE	ACCUM.
DATE & TIME				G A G E N U M B E R				WEIGHTED	IN	RUNOFF
				1-LF	2-LF	3-LF		PRECIP.	FT ³ /S	IN.
								IN.		
APR. 8										
0230	2.98	3.06	2.71					2.89	825.0	0.4422
0300	2.98	3.06	2.71					2.89	819.0	0.5195
0400	2.98	3.06	2.71					2.89	716.0	0.6097
0500	2.98	3.06	2.71					2.89	534.0	0.6770
0600	2.98	3.06	2.71					2.89	354.0	0.7216
0700	2.98	3.06	2.71					2.89	240.0	0.7519
0800	2.98	3.06	2.71					2.89	183.0	0.7749
0900	2.98	3.06	2.71					2.89	144.0	0.7930
1000	2.98	3.06	2.71					2.89	117.0	0.8152
1200	2.98	3.06	2.71					2.89	80.0	0.8404
1500	2.98	3.06	2.71					2.89	48.0	0.8585
1800	2.98	3.06	2.71					2.89	31.0	0.8761
2400	2.98	3.06	2.71					2.89	20.0	0.8874
APR. 9										
0000	2.98	3.06	2.71					2.89	20.0	0.8874
0600	2.98	3.06	2.71					2.89	14.0	0.9018
1200	2.98	3.06	2.71					2.89	12.0	0.9108
1800	2.98	3.06	2.71					2.89	10.0	0.9184
2400	2.98	3.06	2.71					2.89	8.4	0.9216



STA. NO. 08048850

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

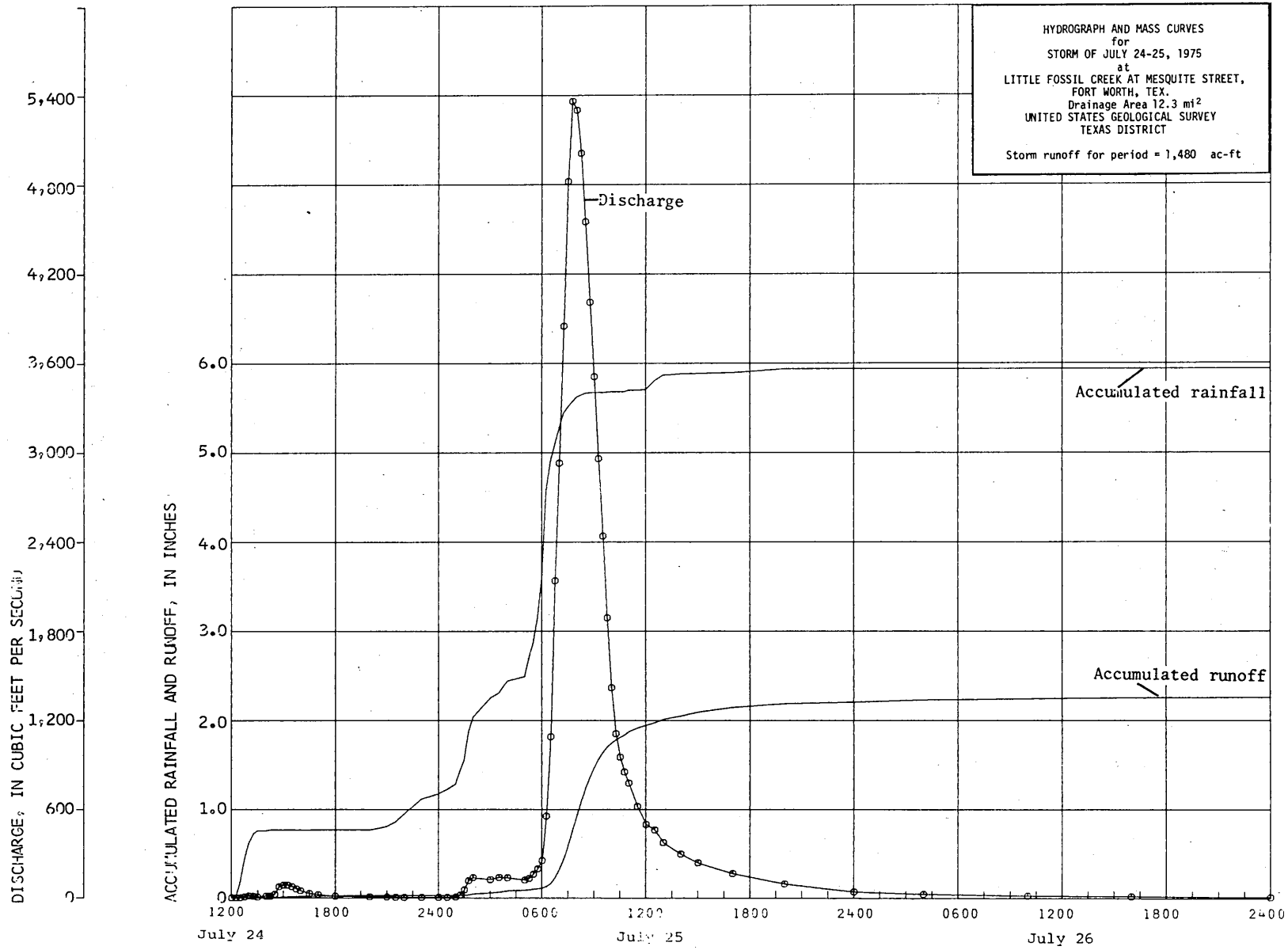
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX.

STORM OF JULY 24-25, 1975

DATE & TIME	G A G E N U M B E R						ACCUM. WEIGHTED PRECIP.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
	1-LF	2-LF	3-LF				IN.		
JULY 24									
0000	0.0	0.0	0.0				0.0	0.0	0.0
1215	0.0	0.0	0.0				0.0	0.0	0.0
1230	0.0	0.08	0.40				0.18	0.0	0.0
1245	0.0	0.30	0.89				0.44	6.6	0.0002
1300	0.0	0.33	1.31				0.62	13.0	0.0006
1315	0.0	0.36	1.54				0.72	10.0	0.0009
1330	0.0	0.41	1.60				0.76	5.0	0.0012
1400	0.0	0.41	1.60				0.76	11.0	0.0017
1415	0.03	0.41	1.60				0.77	11.0	0.0020
1430	0.03	0.41	1.60				0.77	24.0	0.0028
1445	0.03	0.41	1.60				0.77	75.0	0.0052
1500	0.03	0.41	1.60				0.77	86.0	0.0079
1515	0.03	0.41	1.60				0.77	87.0	0.0106
1530	0.03	0.41	1.60				0.77	77.0	0.0130
1545	0.03	0.41	1.60				0.77	62.0	0.0150
1600	0.03	0.41	1.60				0.77	50.0	0.0173
1630	0.03	0.41	1.60				0.77	31.0	0.0193
1700	0.03	0.41	1.60				0.77	22.0	0.0214
1800	0.03	0.41	1.60				0.77	13.0	0.0238
2000	0.03	0.41	1.60				0.77	7.0	0.0252
2100	0.10	0.46	1.61				0.81	5.8	0.0257
2130	0.12	0.64	1.61				0.86	5.0	0.0260
2200	0.22	0.72	1.69				0.95	4.2	0.0264
2300	0.40	0.95	1.82				1.12	3.6	0.0269
2400	0.45	1.00	1.89				1.18	3.6	0.0271
JULY 25									
0000	0.45	1.00	1.89				1.18	3.6	0.0271
0030	0.49	1.05	1.94				1.22	3.2	0.0274
0100	0.51	1.06	2.05				1.29	6.6	0.0277
0115	0.56	1.13	2.35				1.44	19.0	0.0283
0130	0.56	1.18	2.61				1.56	55.0	0.0300
0145	0.86	1.60	2.86				1.86	118.0	0.0338
0200	0.99	2.08	2.87				2.03	139.0	0.0447
0300	1.01	2.31	3.24				2.25	125.0	0.0565
0330	1.03	2.34	3.35				2.31	140.0	0.0653
0400	1.03	2.55	3.55				2.44	137.0	0.0783
0500	1.03	2.57	3.66				2.49	123.0	0.0880
0515	1.03	2.60	4.15				2.70	132.0	0.0921
0530	1.03	2.62	4.42				2.87	161.0	0.0972
0545	1.24	3.33	4.61				3.14	198.0	0.1034

STA. NO. 08048850				STORM RAINFALL AND RUNOFF RECORD				1975 WATER YEAR		
LITTLE FOSSIL CREEK AT MESQUITE STREET, FORT WORTH, TEX. STORM OF JULY 24-25, 1975								ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R						WEIGHTED PRECIP.	IN	RUNOFF
	1-LF	2-LF	3-LF					IN.	FT ³ /S	IN.
JULY 25										
0600	1.68	3.77	5.05					3.58	254.0	0.1114
0615	2.68	4.70	6.05					4.57	555.0	0.1289
0630	2.99	5.00	6.43					4.90	1090.0	0.1632
0645	3.13	5.24	6.63					5.09	2140.0	0.2306
0700	3.33	5.36	6.81					5.26	2930.0	0.3229
0715	3.43	5.43	7.12					5.44	3850.0	0.4442
0730	3.51	5.46	7.20					5.51	4820.0	0.5960
0745	3.57	5.48	7.28					5.57	5360.0	0.7648
0800	3.53	5.54	7.36					5.62	5300.0	0.9317
0815	3.59	5.56	7.40					5.64	5010.0	1.0895
0830	3.62	5.58	7.41					5.66	4550.0	1.2328
0845	3.63	5.59	7.41					5.67	4010.0	1.3591
0900	3.63	5.60	7.41					5.67	3510.0	1.4697
0915	3.63	5.60	7.41					5.67	2960.0	1.5629
0930	3.63	5.60	7.41					5.67	2440.0	1.6398
0945	3.63	5.60	7.42					5.68	1890.0	1.6993
1000	3.63	5.60	7.43					5.68	1420.0	1.7440
1015	3.63	5.60	7.43					5.68	1110.0	1.7790
1030	3.63	5.60	7.43					5.68	952.0	1.8090
1045	3.63	5.60	7.43					5.68	852.0	1.8358
1100	3.68	5.60	7.43					5.70	777.0	1.8725
1130	3.68	5.60	7.43					5.70	620.0	1.9115
1200	3.68	5.60	7.45					5.71	499.0	1.9430
1230	3.75	5.77	7.53					5.80	461.0	1.9720
1300	3.86	5.80	7.57					5.87	376.0	2.0075
1400	3.87	5.80	7.60					5.88	299.0	2.0452
1500	3.88	5.80	7.60					5.89	240.0	2.0906
1700	3.84	5.80	7.62					5.89	168.0	2.1435
2000	3.93	5.85	7.65					5.94	97.0	2.1862
2400	3.93	5.85	7.65					5.94	44.0	2.2029
JULY 26										
0000	3.93	5.85	7.65					5.94	44.0	2.2029
0400	3.93	5.85	7.65					5.94	24.0	2.2261
1000	3.93	5.85	7.65					5.94	17.0	2.2389
1600	3.93	5.85	7.65					5.94	14.0	2.2513
2400	3.93	5.85	7.65					5.94	8.4	2.2555

-28-



STA. NO. 08048550

STORM RAINFALL AND RUNOFF RECORD

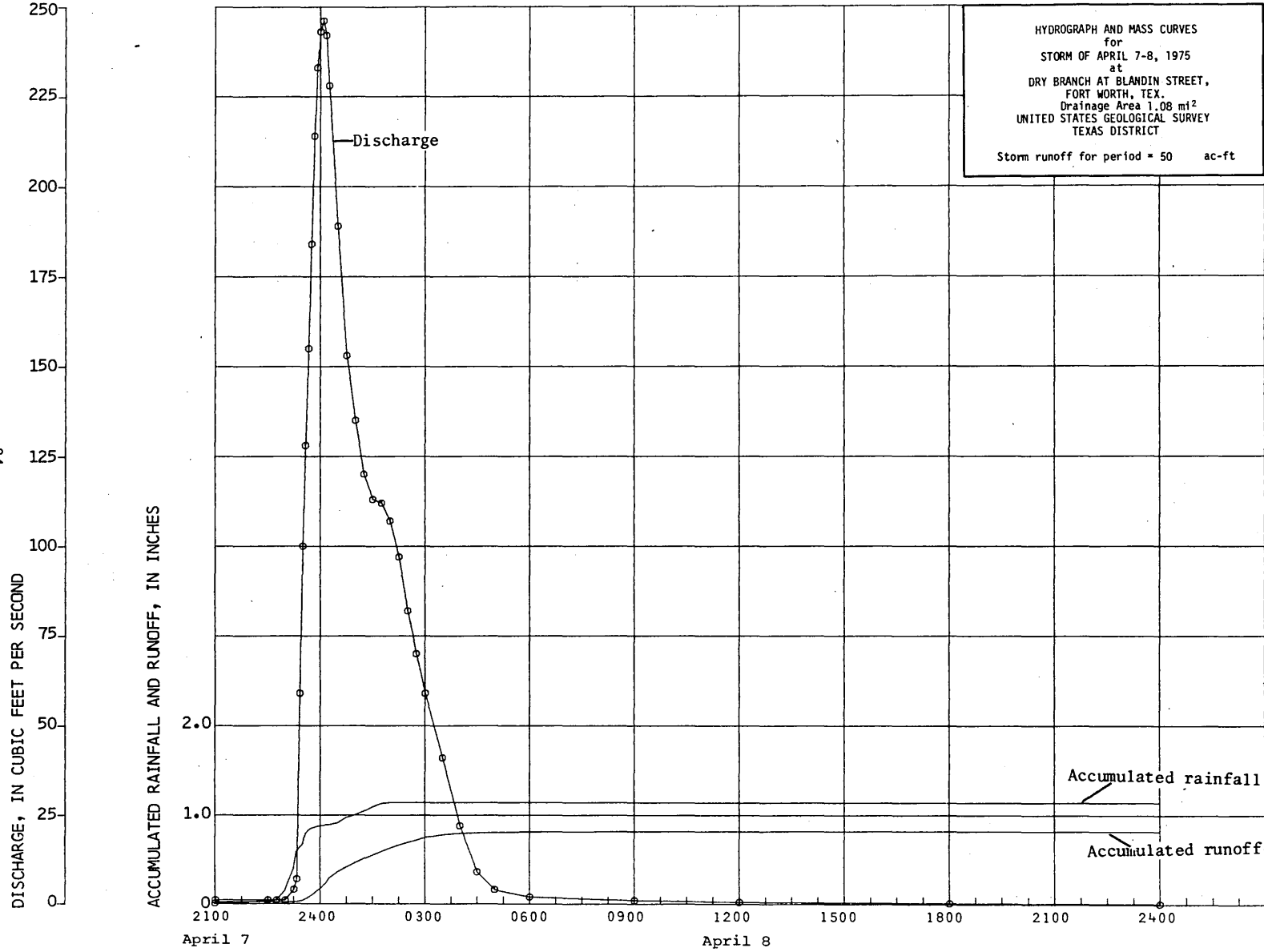
1975 WATER YEAR

DRY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.

STORM OF APRIL 7-8, 1975

DATE & TIME	G A G E	N U M B E R	ACCUM.	DISCHARGE	ACCUM.
			WEIGHTED PRECIP. IN.	IN FT ³ /S	RUNOFF IN.
APR. 7					
0000	0.0		0.0	0.1	0.0015
2100	0.0		0.0	1.0	0.0176
2230	0.03		0.03	1.0	0.0189
2245	0.04		0.04	1.0	0.0193
2300	0.15		0.15	1.0	0.0196
2315	0.40		0.40	4.0	0.0206
2320	0.59		0.59	7.0	0.0214
2325	0.63		0.63	59.0	0.0285
2330	0.67		0.67	100.0	0.0404
2335	0.79		0.79	128.0	0.0557
2340	0.83		0.83	155.0	0.0743
2345	0.85		0.85	184.0	0.0963
2350	0.86		0.86	214.0	0.1218
2355	0.87		0.87	233.0	0.1497
2400	0.88		0.88	243.0	0.1715
APR. 8					
0000	0.88		0.88	243.0	0.1715
0005	0.88		0.88	246.0	0.2082
0010	0.89		0.89	242.0	0.2371
0015	0.89		0.89	228.0	0.2916
0030	0.91		0.91	189.0	0.3594
0045	0.97		0.97	153.0	0.4143
0100	1.00		1.00	135.0	0.4627
0115	1.04		1.04	120.0	0.5058
0130	1.09		1.09	113.0	0.5463
0145	1.13		1.13	112.0	0.5865
0200	1.14		1.14	107.0	0.6249
0215	1.14		1.14	97.0	0.6597
0230	1.14		1.14	82.0	0.6891
0245	1.14		1.14	70.0	0.7142
0300	1.14		1.14	59.0	0.7459
0330	1.14		1.14	41.0	0.7753
0400	1.14		1.14	22.0	0.7911
0430	1.14		1.14	9.0	0.7976
0500	1.14		1.14	4.0	0.8019
0600	1.14		1.14	2.0	0.8076
0900	1.14		1.14	1.0	0.8119
1200	1.14		1.14	0.5	0.8152
1800	1.14		1.14	0.3	0.8177
2400	1.14		1.14	0.2	0.8186

-84-



STA. NO. 0804855c		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
DRY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.						STORM OF JUNE 8, 1975		ACCUM. WEIGHTED PRECIP.	DISCHARGE IN FT ³ /S	ACCUM. RUNOFF IN.
DATE & TIME	G A G E N U M B E R							IN.		
JUNE 8										
0000	0.0							0.0	0.1	0.0002
0300	0.0							0.0	0.1	0.0015
0600	0.06							0.06	0.1	0.0026
0900	0.06							0.06	0.2	0.0027
1200	0.40							0.40	9.0	0.0060
1500	0.81							0.81	43.0	0.0188
1800	0.99							0.99	69.0	0.0312
2100	1.01							1.01	80.0	0.0407
2400	1.03							1.03	120.0	0.0551
2700	1.05							1.05	146.0	0.0726
3000	1.07							1.07	157.0	0.0913
3300	1.09							1.09	153.0	0.1096
3600	1.10							1.10	140.0	0.1347
3900	1.10							1.10	115.0	0.1622
4200	1.10							1.10	85.0	0.1876
4500	1.10							1.10	62.0	0.2099
4800	1.10							1.10	48.0	0.2271
5100	1.10							1.10	37.0	0.2404
5400	1.10							1.10	27.0	0.2501
5700	1.10							1.10	18.0	0.2565
6000	1.10							1.10	9.0	0.2613
6300	1.10							1.10	2.9	0.2645
6600	1.10							1.10	2.1	0.2675
6900	1.10							1.10	1.0	0.2682

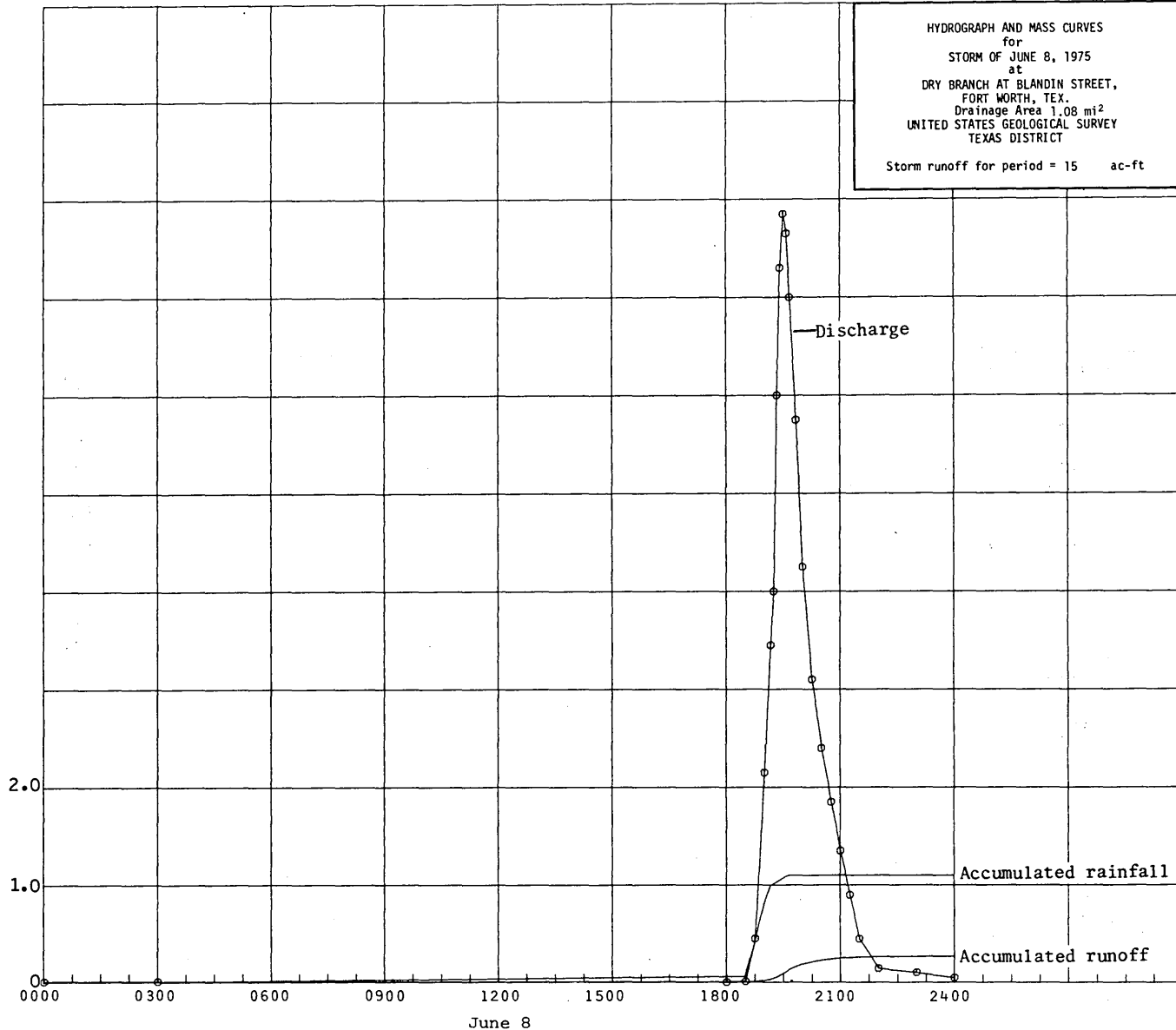
HYDROGRAPH AND MASS CURVES
for
STORM OF JUNE 8, 1975
at
DRY BRANCH AT BLANDIN STREET,
FORT WORTH, TEX.
Drainage Area 1.08 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT

Storm runoff for period = 15 ac-ft

-98-

DISCHARGE, IN CUBIC FEET PER SECOND

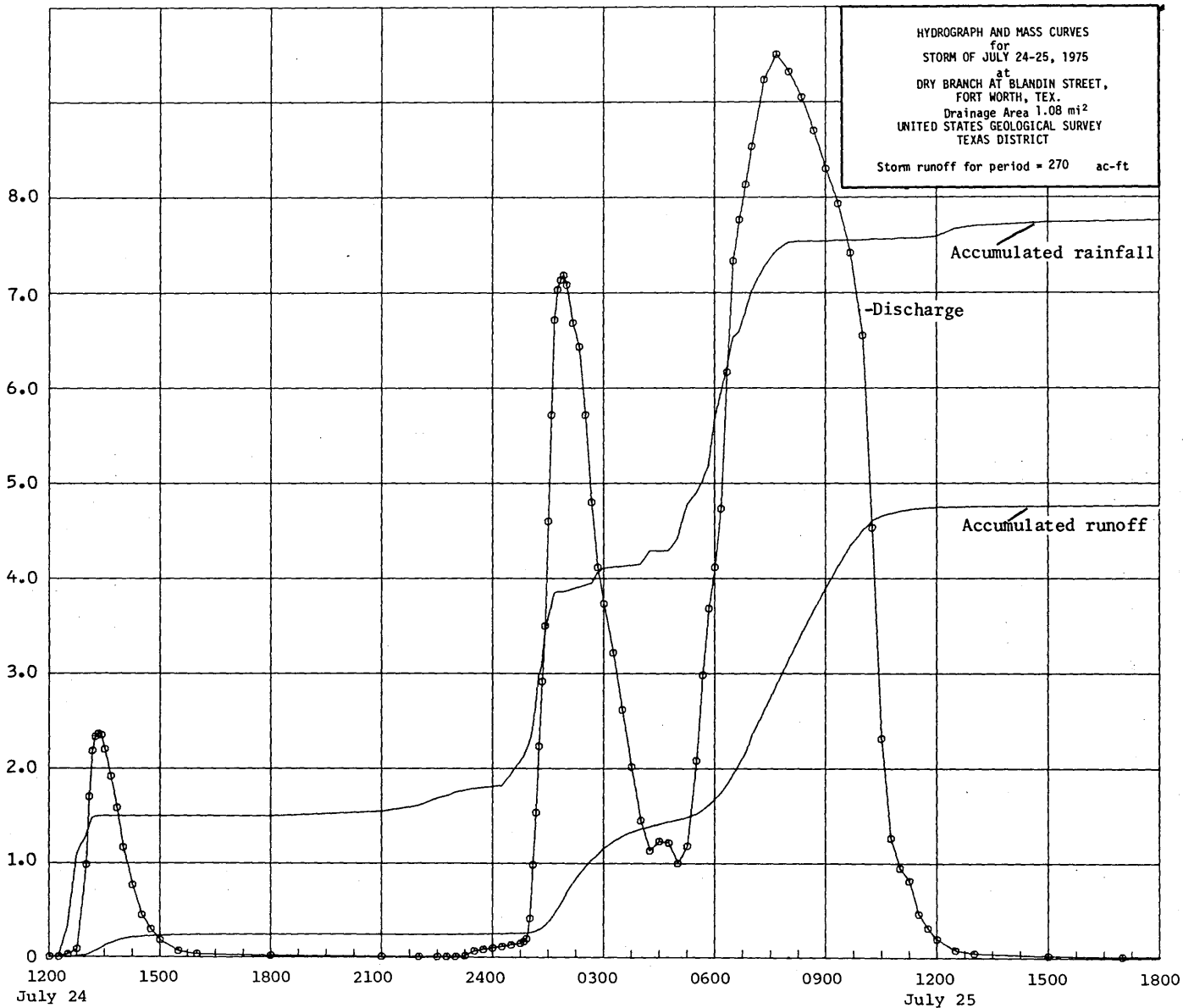
ACCUMULATED RAINFALL AND RUNOFF, IN INCHES



STA. NO. 0804855		STORM RAINFALL AND RUNOFF RECORD					1975 WATER YEAR		
DRY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.		STORM OF JULY 24-25, 1975					ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R					WEIGHTED PRECIP. IN.	IN FT ³ /S	RUNOFF IN.
JULY 24									
0000	0.0						0.0	0.1	0.0009
1215	0.0						0.0	0.1	0.0018
1230	0.33						0.33	1.5	0.0023
1245	1.10						1.10	5.0	0.0041
1300	1.29						1.29	59.0	0.0182
1305	1.39						1.39	102.0	0.0304
1310	1.42						1.48	131.0	0.0461
1315	1.49						1.49	140.0	0.0628
1320	1.50						1.50	142.0	0.0798
1325	1.50						1.50	141.0	0.0967
1330	1.50						1.50	132.0	0.1203
1340	1.50						1.50	115.0	0.1478
1350	1.50						1.50	95.0	0.1705
1400	1.50						1.50	70.0	0.1915
1415	1.50						1.50	46.0	0.2080
1430	1.50						1.50	27.0	0.2177
1445	1.50						1.50	18.0	0.2241
1500	1.50						1.50	11.0	0.2300
1530	1.50						1.50	4.0	0.2329
1600	1.50						1.50	2.0	0.2365
1800	1.50						1.50	1.0	0.2401
2100	1.55						1.55	0.5	0.2415
2200	1.61						1.61	0.5	0.2420
2230	1.69						1.69	0.5	0.2423
2245	1.71						1.71	0.5	0.2425
2300	1.75						1.75	0.5	0.2427
2315	1.77						1.77	1.0	0.2430
2330	1.79						1.79	4.0	0.2445
2345	1.80						1.80	5.0	0.2463
2400	1.81						1.81	6.0	0.2479
JULY 25									
0000	1.81						1.81	6.0	0.2479
0015	1.82						1.82	7.0	0.2509
0030	1.94						1.94	8.0	0.2538
0045	2.09						2.08	9.0	0.2559
0050	2.12						2.12	10.0	0.2571
0055	2.20						2.20	12.0	0.2586
0100	2.24						2.22	25.0	0.2616
0105	2.41						2.41	59.0	0.2686
0110	2.66						2.66	92.0	0.2796

STA. NO. 08048556		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
DRY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.						STORM OF JULY 24-25, 1975		ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R						WEIGHTED	IN	RUNOFF
								PRECIP.		
								IN.	FT ³ /S	IN.
JULY 25										
0115	2.98							2.98	134.0	0.2956
0120	3.09							3.09	175.0	0.3166
0125	3.42							3.42	210.0	0.3417
0130	3.59							3.59	276.0	0.3747
0135	3.71							3.71	343.0	0.4157
0140	3.85							3.85	403.0	0.4639
0145	3.86							3.86	422.0	0.5143
0150	3.86							3.86	428.0	0.5655
0155	3.86							3.86	431.0	0.6170
0200	3.87							3.87	425.0	0.6933
0210	3.89							3.89	401.0	0.7892
0220	3.91							3.91	386.0	0.8815
0230	3.93							3.93	343.0	0.9635
0240	3.95							3.95	288.0	1.0324
0250	4.06							4.06	247.0	1.0914
0300	4.11							4.11	224.0	1.1584
0315	4.12							4.12	193.0	1.2276
0330	4.13							4.13	157.0	1.2839
0345	4.14							4.14	121.0	1.3273
0400	4.15							4.15	87.0	1.3585
0415	4.29							4.29	68.0	1.3829
0430	4.29							4.29	74.0	1.4095
0445	4.29							4.29	73.0	1.4356
0500	4.42							4.42	60.0	1.4572
0515	4.77							4.77	71.0	1.4826
0530	4.90							4.90	125.0	1.5200
0540	5.02							5.02	179.0	1.5628
0550	5.19							5.19	221.0	1.6157
0600	5.67							5.67	247.0	1.6747
0610	5.94							5.94	284.0	1.7426
0620	6.20							6.20	370.0	1.8311
0630	6.53							6.53	440.0	1.9363
0640	6.59							6.59	466.0	2.0478
0650	6.79							6.79	488.0	2.1645
0700	7.01							7.01	512.0	2.3481
0720	7.26							7.26	554.0	2.6131
0740	7.44							7.44	570.0	2.8857
0800	7.53							7.53	559.0	3.1530
0820	7.54							7.54	543.0	3.4127

STA. NO. 08048550		STORM RAINFALL AND RUNOFF RECORD						1975 WATER YEAR		
DRY BRANCH AT BLANDIN STREET, FORT WORTH, TEX.						STORM OF JULY 24-25, 1975		ACCUM.	DISCHARGE	ACCUM.
DATE & TIME		G A G E N U M B E R						WEIGHTED	IN	RUNOFF
		1-DH						PRECIP.	FT ³ /S	IN.
								IN.		IN.
JULY 25										
0840		7.54						7.54	522.0	3.6624
0900		7.54						7.54	498.0	3.9006
0920		7.55						7.55	476.0	4.1282
0940		7.55						7.55	445.0	4.3411
1000		7.55						7.55	393.0	4.5055
1015		7.56						7.56	272.0	4.6031
1030		7.56						7.56	139.0	4.6529
1045		7.56						7.56	76.0	4.6802
1100		7.57						7.57	57.0	4.7007
1115		7.57						7.57	49.0	4.7182
1130		7.57						7.57	28.0	4.7283
1145		7.58						7.58	19.0	4.7351
1200		7.59						7.59	12.0	4.7415
1230		7.67						7.67	5.0	4.7451
1300		7.70						7.70	3.0	4.7505
1500		7.74						7.74	1.5	4.7548
1700		7.75						7.75	0.9	4.7580
2000		7.78						7.78	0.7	4.7616
2400		7.78						7.78	0.5	4.7630



STA. NO. 08048820							STORM RAINFALL AND RUNOFF RECORD			1975 WATER YEAR		
LITTLE FOSSIL CREEK AT INTERSTATE HWY 820, FT WORTH, TEX							STORM OF NOVEMBER 9-10, 1974			ACCUM.	DISCHARGE	ACCUM.
DATE & TIME							G A G E N U M B E R			WEIGHTED PRECIP. IN.	IN FT ³ /S	RUNOFF IN.
1-LF	2-LF											
NOV. 9												
0000	0.0	0.0							0.0	0.5	0.0007	
1030	0.0	0.0							0.0	0.5	0.0015	
1200	0.10	0.04							0.10	0.5	0.0019	
1500	0.14	0.16							0.18	0.6	0.0024	
1900	0.19	0.17							0.19	0.6	0.0028	
2000	0.25	0.24							0.25	1.0	0.0031	
2100	0.32	0.32							0.32	3.0	0.0039	
2200	0.41	0.44							0.42	11.0	0.0070	
2300	0.63	0.53							0.61	19.0	0.0122	
2400	0.70	0.71							0.70	33.0	0.0173	
NOV. 10												
0000	0.70	0.71							0.70	33.0	0.0173	
0015	0.77	0.76							0.77	37.0	0.0204	
0030	0.82	0.83							0.82	46.0	0.0236	
0045	0.85	0.88							0.86	63.0	0.0279	
0100	0.92	0.92							0.92	76.0	0.0331	
0115	0.95	0.95							0.95	86.0	0.0390	
0130	0.98	0.97							0.98	104.0	0.0462	
0145	1.08	1.07							1.08	117.0	0.0542	
0200	1.11	1.11							1.11	135.0	0.0635	
0215	1.11	1.13							1.11	162.0	0.0746	
0230	1.14	1.14							1.14	182.0	0.0871	
0245	1.16	1.18							1.16	205.0	0.1012	
0300	1.21	1.21							1.21	235.0	0.1173	
0315	1.22	1.23							1.22	258.0	0.1350	
0330	1.23	1.24							1.23	272.0	0.1537	
0345	1.25	1.25							1.25	280.0	0.1729	
0400	1.25	1.26							1.26	289.0	0.1928	
0415	1.35	1.29							1.34	295.0	0.2131	
0430	1.45	1.34							1.43	304.0	0.2339	
0445	1.48	1.46							1.48	331.0	0.2567	
0500	1.51	1.51							1.51	358.0	0.2936	
0530	1.55	1.56							1.55	421.0	0.3514	
0600	1.55	1.57							1.55	457.0	0.4142	
0630	1.55	1.57							1.55	429.0	0.4731	
0700	1.55	1.57							1.55	397.0	0.5276	
0730	1.55	1.57							1.55	363.0	0.5775	
0800	1.55	1.57							1.55	330.0	0.6228	
0830	1.55	1.57							1.55	298.0	0.6638	
0900	1.55	1.57							1.55	264.0	0.7001	

STA. NO. 08048820		STORM RAINFALL AND RUNOFF RECORD							1975 WATER YEAR		
LITTLE FOSSIL CREEK AT INTERSTATE HWY 820, FT WORTH, TEX STORM OF NOVEMBER 9-10, 1974								ACCUM.	DISCHARGE	ACCUM.	
DATE & TIME		G A G E N U M B E R						WEIGHTED	IN	RUNOFF	
		1-LF	2-LF					PRECIP.			
								IN.	FT ³ /S	IN.	
=====											
NOV. 10											
0930		1.55	1.57					1.55	231.0	0.7318	
1000		1.55	1.57					1.55	198.0	0.7590	
1030		1.55	1.57					1.55	168.0	0.7821	
1100		1.55	1.57					1.55	143.0	0.8017	
1130		1.55	1.57					1.55	123.0	0.8186	
1200		1.55	1.57					1.55	109.0	0.8336	
1230		1.55	1.57					1.55	92.0	0.8462	
1300		1.55	1.57					1.55	81.0	0.8629	
1400		1.55	1.57					1.55	61.0	0.8797	
1500		1.55	1.57					1.55	48.0	0.8929	
1600		1.55	1.57					1.55	39.0	0.9085	
1800		1.55	1.57					1.55	24.0	0.9217	
2000		1.55	1.57					1.55	19.0	0.9321	
2200		1.55	1.57					1.55	15.0	0.9404	
2400		1.55	1.57					1.55	11.0	0.9434	
=====											

-36-

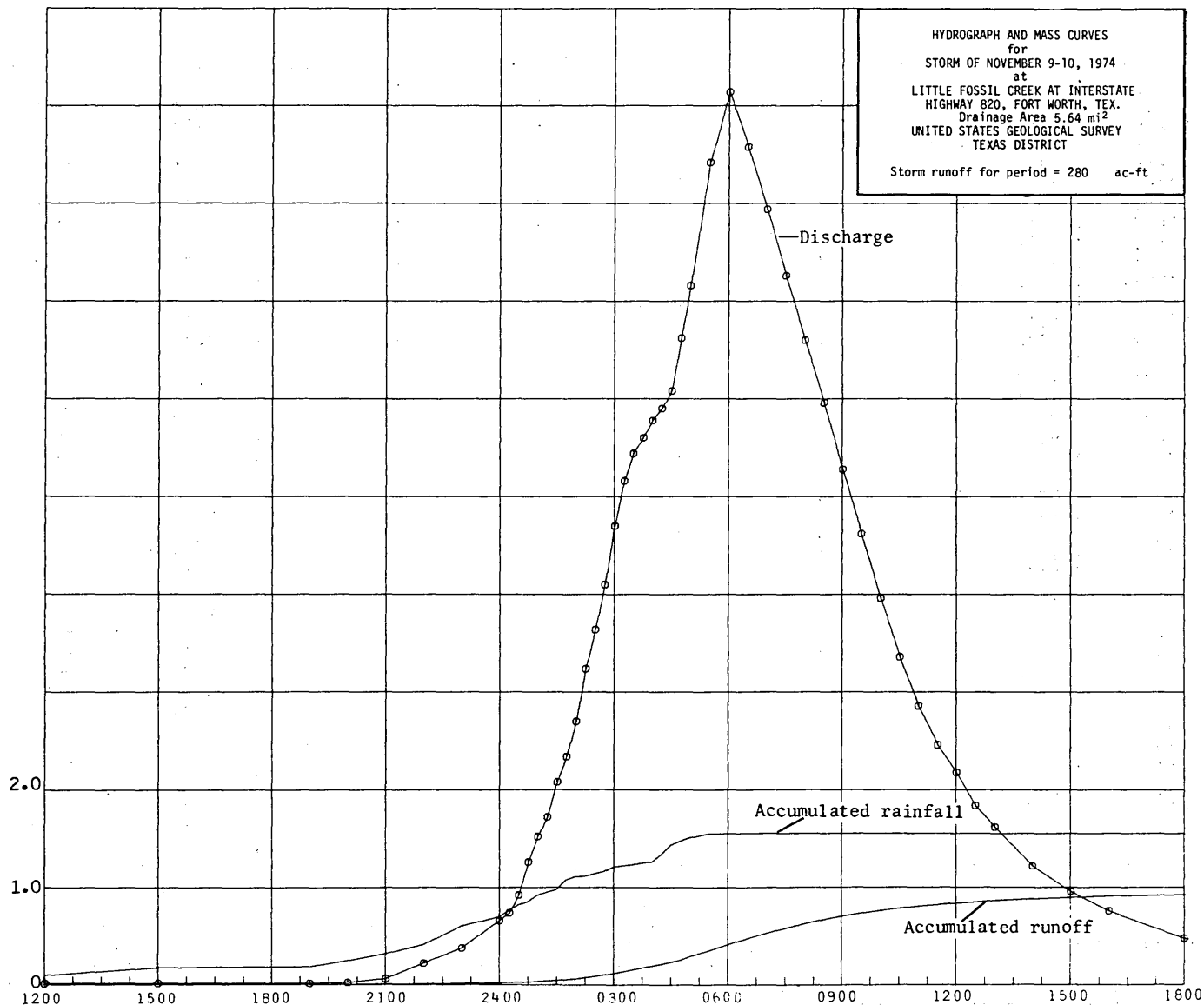
DISCHARGE, IN CUBIC FEET PER SECOND

ACCUMULATED RAINFALL AND RUNOFF, IN INCHES

November 9

November 10

HYDROGRAPH AND MASS CURVES
for
STORM OF NOVEMBER 9-10, 1974
at
LITTLE FOSSIL CREEK AT INTERSTATE
HIGHWAY 820, FORT WORTH, TEX.
Drainage Area 5.64 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT
Storm runoff for period = 280 ac-ft



STA. NO. 08048820

STORM RAINFALL AND RUNOFF RECORD

1975 WATER YEAR

LITTLE FOSSIL CREEK AT INTERSTATE HWY 820, FT WORTH, TEX

STORM OF JULY 25, 1975

ACCUM.
WEIGHTED
PRECIP.
IN.DISCHARGE
IN
FT³/SACCUM.
RUNOFF
IN.

DATE & TIME

1-LF

2-LF

G A G E

N U M B E R

JULY 25

0000

0.0

0.0

0.0

0.5

0.0000

0030

0.04

0.05

0.04

0.5

0.0001

0100

0.06

0.09

0.07

0.7

0.0002

0115

0.11

0.13

0.11

0.9

0.0002

0130

0.11

0.18

0.13

0.9

0.0003

0145

0.41

0.60

0.46

3.0

0.0005

0200

0.54

1.08

0.67

6.0

0.0009

0215

0.54

1.18

0.69

43.0

0.0039

0230

0.55

1.20

0.71

48.0

0.0072

0245

0.56

1.28

0.73

36.0

0.0096

0300

0.56

1.31

0.74

20.0

0.0110

0315

0.57

1.33

0.75

14.0

0.0120

0330

0.58

1.34

0.76

11.0

0.0127

0345

0.58

1.43

0.78

9.0

0.0133

0400

0.58

1.55

0.81

8.0

0.0139

0415

0.58

1.55

0.81

7.0

0.0144

0430

0.58

1.56

0.82

29.0

0.0164

0445

0.58

1.56

0.82

21.0

0.0178

0500

0.58

1.57

0.82

16.0

0.0189

0515

0.58

1.60

0.82

14.0

0.0199

0530

0.58

1.82

0.88

13.0

0.0208

0545

0.79

2.33

1.16

27.0

0.0226

0600

1.23

2.77

1.60

86.0

0.0285

0615

2.23

3.70

2.58

133.0

0.0377

0630

2.54

4.00

2.89

448.0

0.0684

0645

2.68

4.24

3.05

698.0

0.1164

0700

2.88

4.36

3.24

1030.0

0.1871

0715

2.94

4.43

3.33

1170.0

0.2675

0730

3.06

4.46

3.40

1260.0

0.3540

0745

3.12

4.48

3.45

1130.0

0.4317

0800

3.13

4.54

3.47

974.0

0.4986

0815

3.14

4.56

3.48

810.0

0.5542

0830

3.17

4.58

3.51

682.0

0.6010

0845

3.18

4.59

3.52

582.0

0.6410

0900

3.18

4.60

3.52

516.0

0.6765

0915

3.18

4.60

3.52

478.0

0.7093

0930

3.18

4.60

3.52

457.0

0.7564

1000

3.18

4.60

3.52

424.0

0.8146

1030

3.18

4.60

3.52

364.0

0.8646

STA. NO. 08048820				STORM RAINFALL AND RUNOFF RECORD				1975 WATER YEAR		
LITTLE FOSSIL CREEK AT INTERSTATE HWY 820, FT WORTH, TEX				STORM OF JULY 25, 1975				ACCUM.	DISCHARGE	ACCUM.
DATE & TIME				G A G E N U M B E R				WEIGHTED PRECIP.	IN	RUNOFF
								IN.	FT ³ /S	IN.
JULY 25										
1100	3.23	4.60						3.56	286.0	0.9039
1130	3.23	4.60						3.56	220.0	0.9341
1200	3.23	4.60						3.56	168.0	0.9572
1230	3.30	4.77						3.65	133.0	0.9755
1300	3.41	4.80						3.74	106.0	0.9900
1330	3.41	4.80						3.74	88.0	1.0021
1400	3.42	4.80						3.75	75.0	1.0124
1430	3.42	4.80						3.75	64.0	1.0212
1500	3.43	4.80						3.76	58.0	1.0292
1530	3.43	4.80						3.76	50.0	1.0361
1600	3.43	4.80						3.76	42.0	1.0447
1700	3.43	4.80						3.76	32.0	1.0535
1800	3.45	4.82						3.78	31.0	1.0620
1900	3.47	4.84						3.80	24.0	1.0686
2000	3.48	4.85						3.81	20.0	1.0769
2200	3.48	4.85						3.81	16.0	1.0857
2400	3.48	4.85						3.81	10.0	1.0884

HYDROGRAPH AND MASS CURVES
for
STORM OF JULY 25, 1975
at
LITTLE FOSSIL CREEK AT INTERSTATE
HIGHWAY 820, FORT WORTH, TEX.
Drainage Area 5.64 mi²
UNITED STATES GEOLOGICAL SURVEY
TEXAS DISTRICT

Storm runoff for period = 330 ac-ft

