Maximum Floodflows in the Conterminous United States

By J. R. CRIPPEN and CONRAD D. BUE

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CONVERSION FACTORS

Factors for converting English units to the International System of Units (SI) are given below to four significant figures; however, in the text the metric equivalents are shown only to the number of significant figures consistent with the values for the English units.

English	*Multiply by*	*Metric (SI)*
Cubic feet per second (ft^3/s)	2.832×10^{-2}	Cubic meters per second (m^3/s)
Cubic feet per second per square mile [$(ft^3/s)/mi^2$]	1.093×10^{-2}	Cubic meters per second per square kilometer [$(m^3/s)/km^2$]
Square miles (mi^2)	2.590	Square kilometers (km^2)

MAXIMUM FLOODFLOWS IN THE CONTERMINOUS UNITED STATES

By J. R. CRIPPEN and CONRAD D. BUE

ABSTRACT

Peak floodflows from thousands of observation sites within the conterminous United States were studied to provide a guide for estimating potential maximum floodflows. Data were selected from 883 sites with drainage areas of less than 10,000 square miles (25,900 square kilometers) and were grouped into regional sets. Outstanding floods for each region were plotted on graphs, and envelope curves were computed that offer reasonable limits for estimates of maximum floods. The curves indicate that floods may occur that are two to three times greater than those known for most streams.

INTRODUCTION

Throughout history the borderlands of streams and lakes have been the pivotal regions about which human activities have centered. From earliest times our sustenance, work, and transport have required that we be close to the watercourse, the lake, or the sea.

Most of the time the river serves us well, but occasionally its flow becomes unmanageable and can suddenly become a threat. Today floods pose a greater menace to our welfare than ever before because we live in larger numbers beside water and have developed such a complex reliance upon it. We must therefore know as much as possible about the size of floods, especially major ones.

In this report the meaning of flood is limited to the quantity of flow (discharge) rather than stage (the height to which the water rises). Generally, at times of great floods, maximum discharge occurs when stage is highest; however, other factors such as ice jams may change this.

An extreme flood is usually caused by heavy rainfall at a time when conditions allow the highest possible rates of runoff. The size of the largest probable flood cannot be defined; however, a range of conditions may be established in which high floods may occur, based on past floods of streams having similar flood potential. In other words, what has happened in the past furnishes the best estimate of what may happen in the future.

Maximum floodflows from small basins are generally caused by intense, often short, storms over a small area. Maximum flood-

flows from large basins, on the other hand, are generally caused by storms of several days' duration over large areas. Whatever the amount of rainfall that has caused the highest known flow of a stream, someday a greater rainfall may cause an even greater flow.

Although an unusual flood is generally associated with the particular set of meteorological circumstances that caused it, sometimes situations arise in which extreme floods occur without extreme storms. Careful study often reveals a simple explanation for them, however. For example, the sudden release of ponded water by the breakup of an ice jam or the failure of a dam may cause a rise in flow out of proportion to the current rainfall. Because of their unique nature, such floods are unlikely to be repeated. Data known to relate to such unusual conditions have not been included in this study.

MAXIMUM-FLOOD EXPERIENCE

This study is limited to the consideration of extreme floods without reference to their frequency. It is intended to serve as a guide for making rule-of-thumb estimates of the magnitude of high flood discharges that may be expected at a given site on a stream. No complex analytical procedures are given. The study presents a compilation of selected maximum observed flood peaks, and it shows by maps and graphs how such floods vary with geographical location and with size of drainage basin. As mentioned earlier, the study is concerned with floods as expressed in terms of discharge. Random conditions of time and location that are involved in determining the height to which streams may rise, as distinct from their discharge, are too complex for analysis in this study.

The floods discussed here have been observed through September 1974 at sites having drainage areas of less than 10,000 mi^2 (25,900 km^2). This study does not consider floods from larger basins because they are likely to be affected by many more complex factors than floods in smaller basins.

Data used in this report consist of peak discharges known to have occurred at 883 observation sites throughout the conterminous United States. Table 1 summarizes pertinent information on each site's peak flow and the basin from which it came. Most of the entries are data from conventional stream-gaging stations that have been operated for varying lengths of time. Some entries, however, are from crest-stage stations where only data of high flood peaks have been obtained, usually for fewer than 10 years. A few entries show data from sites where only the single peak flow that is listed is known, or perhaps one or two more peaks. These

floods may be of special interest because they were high enough to attract attention and be measured even though they did not occur at a regular data-collection site.

The station numbers shown in table 1 have been assigned to identify the sites according to a standard U.S. Geological Survey system. Flood information from a site to which no station number has been assigned is listed as being from a miscellaneous site. The site numbers that are shown in the first column of table 1 are used only for identification in this report.

The daily discharge shown in table 1 is the mean discharge for the day in which the peak flood discharge occurred, or for the day before or after if that day had a higher discharge. Comparison of the peak discharge and the daily discharge with which it is associated may be an indication of the flashiness of the stream. Peak flows from large basins are generally more sustained than peak flows from small basins.

Peak flows from basins smaller than about 0.2 mi^2 (0.5 km^2) are not listed because in basins of this size the flow pattern can be easily dominated by unique conditions that are not likely to occur or be recognized if they do occur in larger basins. Another drawback to using extremely small basins is that an error in defining the area (in terms of percentage of the stated area) can be very large.

Since the date of the peak flows noted here, reservoirs and other facilities have been constructed on some of the streams. These changes make it unlikely that peak flows as large as those observed under natural conditions will recur. At a few of the sites listed in table 1 there have been peak flows resulting from once-only events, such as the failure of a dam, that were greater than the listed peak. Peaks of that kind have been omitted.

After the summary was compiled, an attempt was made to group the data from table 1 by regions using physiographic type (Fenneman, 1931, 1938) and variations in rainfall intensity (U.S. Weather Bureau, 1961) as the initial bases for subdivision. The experience of hydrologists who had worked with flood data throughout the Nation was then sought as a guide to make further breakdowns, thus combining the data as regional sets.

Some of these regional sets demonstrated that further separations were required. The boundaries in figure 1, therefore, represent a compromise among the several sources of information. Clear-cut hydrologic differences, where they exist, provided primary criteria for separation, followed by experience and judgment. Finally, arbitrary decisions were made, considering convenience to the user.

Floods that are outstanding in terms of discharge per unit of area are shown in figures 2 through 19. Data from extreme floods throughout the Nation have been abstracted from table 1 and are plotted in figure 2. The sizes of the basins represented in figure 2 range from 0.3 mi^2 (0.78 km^2) to 7,088 mi^2 (18,358 km^2). The envelope curves show the limits of the greatest floods known to have occurred in the Nation (fig. 2) or in the region in question (figs. 3-19). The curves do not indicate any physical limitations, but floods that exceed them will probably be extremely rare.

ESTIMATING POTENTIAL FLOOD PEAKS

The data, maps, and graphs in this report are intended to guide the user in making reasonable estimates of the maximum potential floodflows in the region of his interest. Depending upon the user's needs, htere are various ways of making estimates. One way is simply to inspect table 1 and compare with the site of interest. Another is to base the estimate upon the area of the basin in question and upon the curve shown on the appropriate graph of regional floods.

As time passes, floods may occur that lie outside the curves used in this report. If more extreme floods occur, they should be plotted on the appropriate regional graph, and, if necessary, a new curve should be drawn to supersede the old one.

Inspection of the graphs for the various regions (figs. 3-19) shows that the envelope curves indicate the possibility of discharges two or three times as great as the largest that have been experienced in most streams in the regions. Thus, on most streams floods may occur that are considerably greater than those known.

SUMMARY

Flood-discharge records ranging from a few years to many years in length are available for many basins. Among these records are a few floods that are unusually high for the particular climate, topography, and geology involved. By inspecting the records of 883 of the most extreme floods listed in table 1 and illustrated in figures 2-19, a reasonable estimate of extreme-flood potential can be made. No probability or frequency can be given to the floods that are estimated by using the techniques of this study.

SELECTED REFERENCES

Fenneman, N. M., 1931, Physiography of western United States: New York, McGraw-Hill Book Co., Inc., 534 p.

——1938, Physiography of eastern United States: New York, McGraw-Hill Book Co., Inc., 714 p.

Hoyt, W. G., and Langbein, W. B., 1955, Floods: Princeton, N.J., Princeton Univ. Press, 469 p.

U.S. Weather Bureau, 1961, Rainfall frequency atlas of the United States: Tech. Paper 40, 115 p.

FIGURES 1–19; TABLE 1

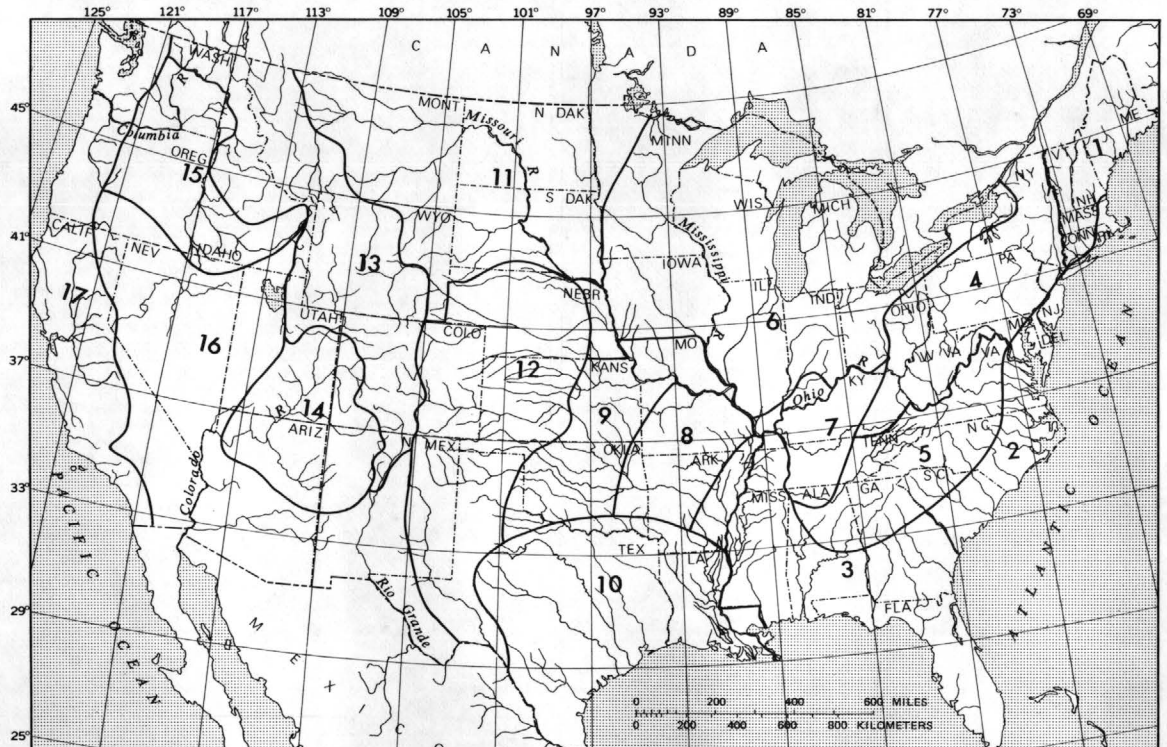

FIGURE 1.—Map of the conterminous United States showing flood-region boundaries.

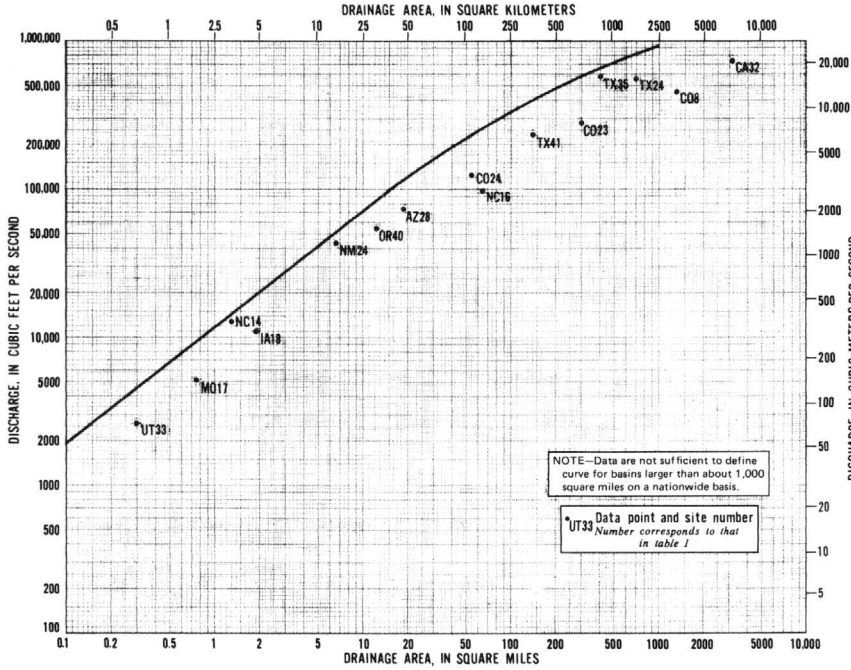

FIGURE 2.—Selected peak discharges versus drainage areas, and nationwide envelope curve.

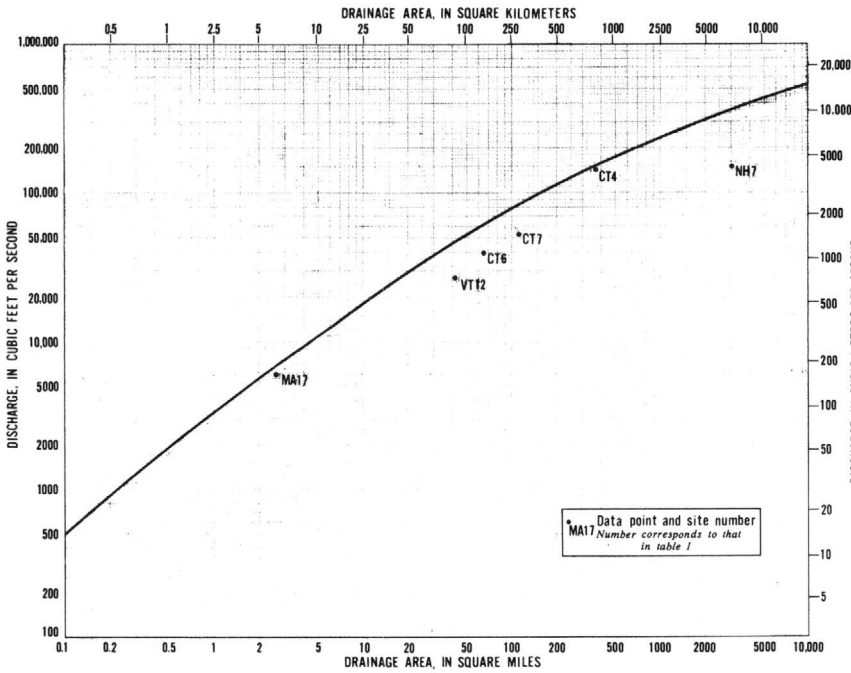

FIGURE 3.—Peak discharge versus drainage area, and envelope curve for region 1.

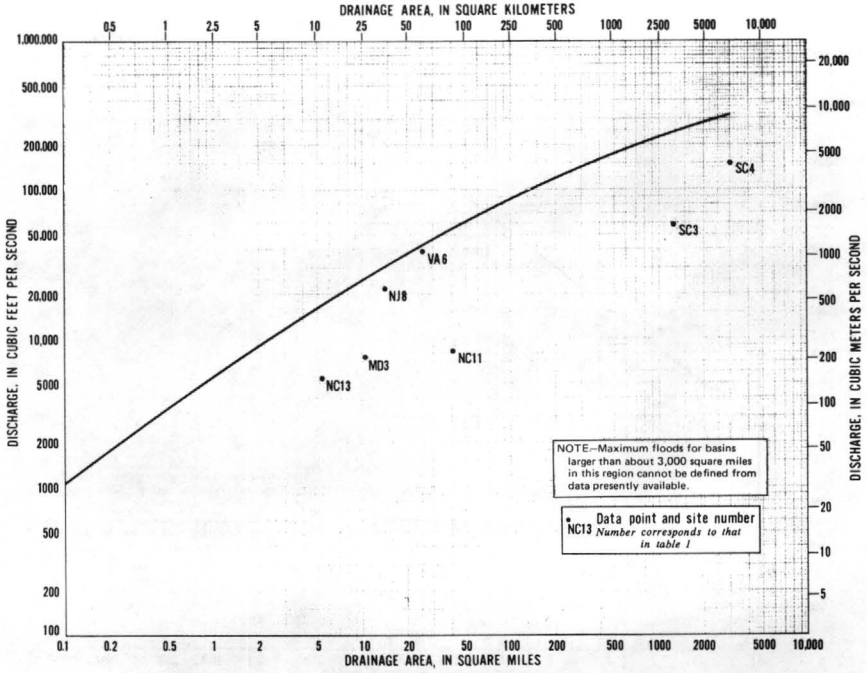

FIGURE 4.—Peak discharge versus drainage area, and envelope curve for region 2.

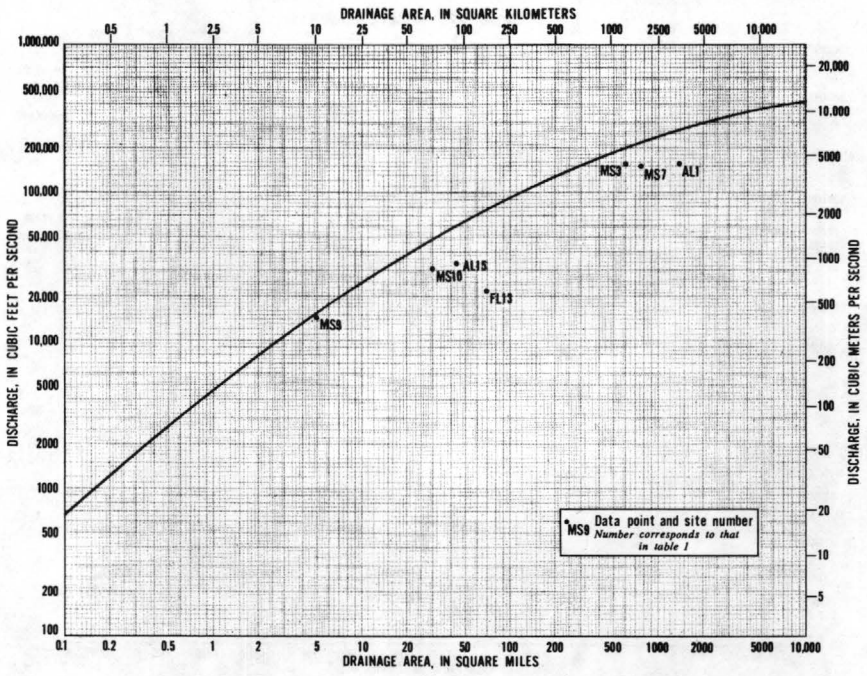

FIGURE 5.—Peak discharge versus drainage area, and envelope curve for region 3.

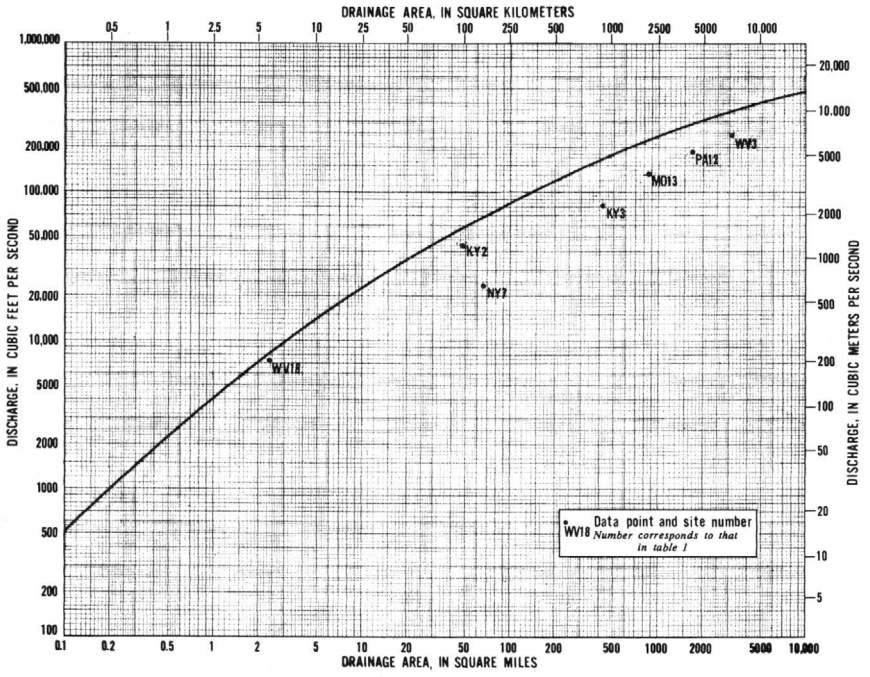

FIGURE 6.—Peak discharge versus drainage area, and envelope curve for region 4.

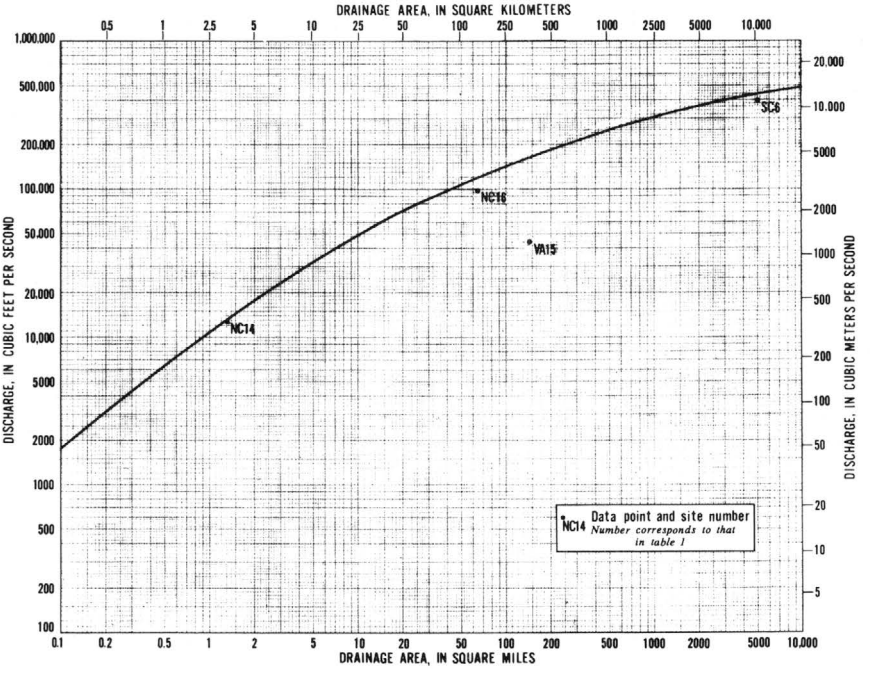

FIGURE 7.—Peak discharge versus drainage area, and envelope curve for region 5.

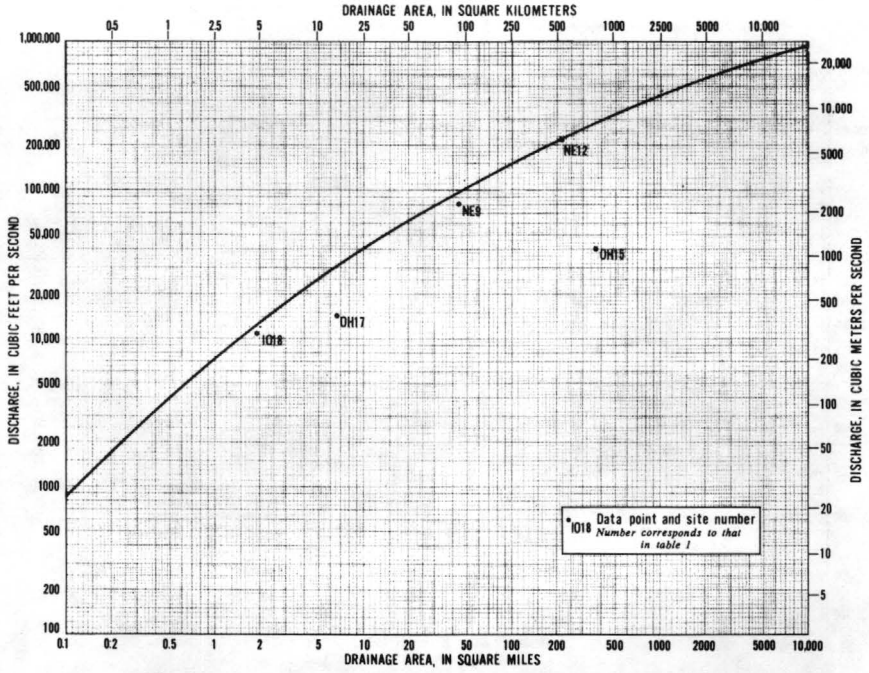

FIGURE 8.—Peak discharge versus drainage area, and envelope curve for region 6.

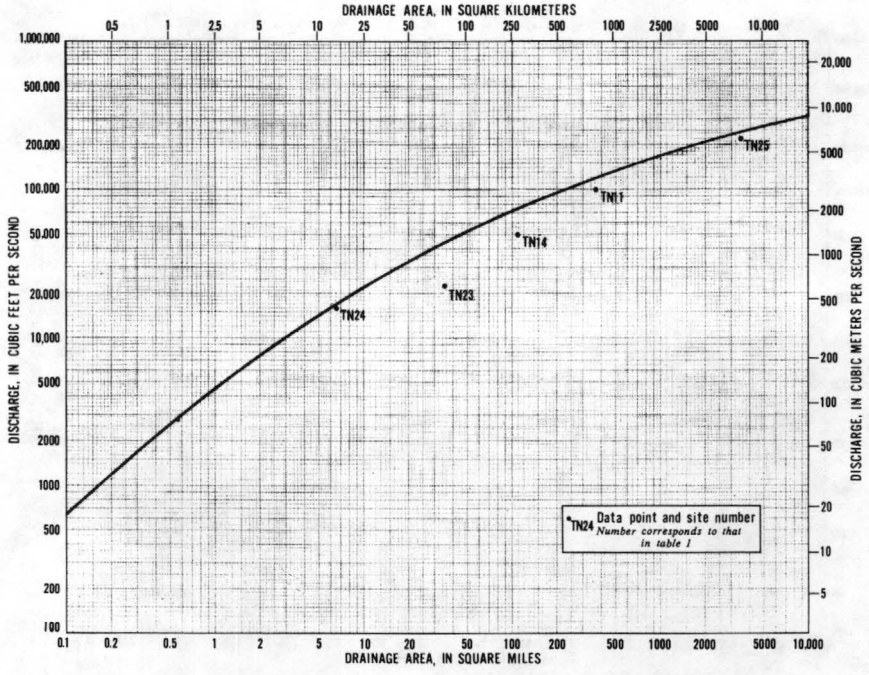

FIGURE 9.—Peak discharge versus drainage area, and envelope curve for region 7.

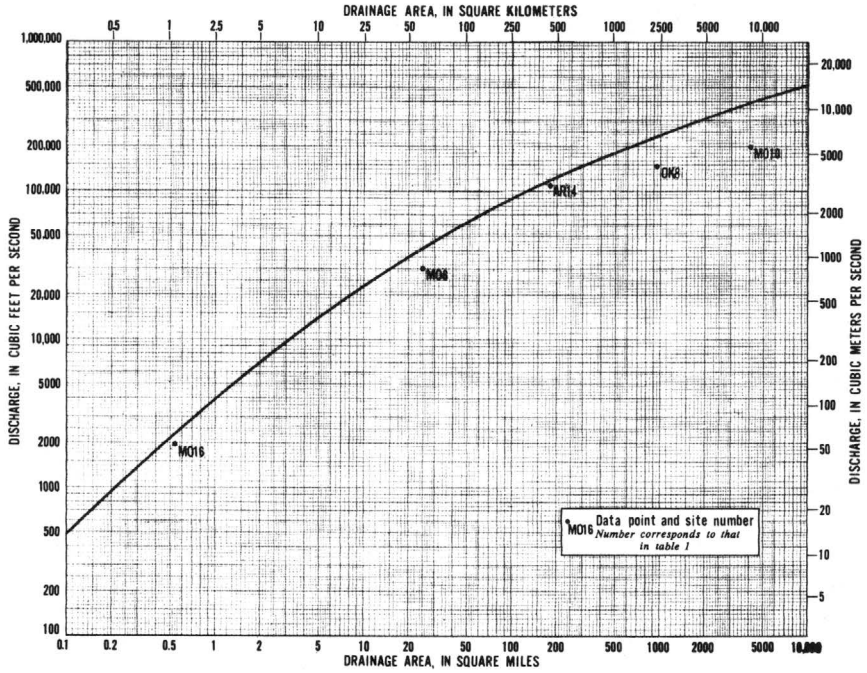

FIGURE 10.—Peak discharge versus drainage area, and envelope curve for region 8.

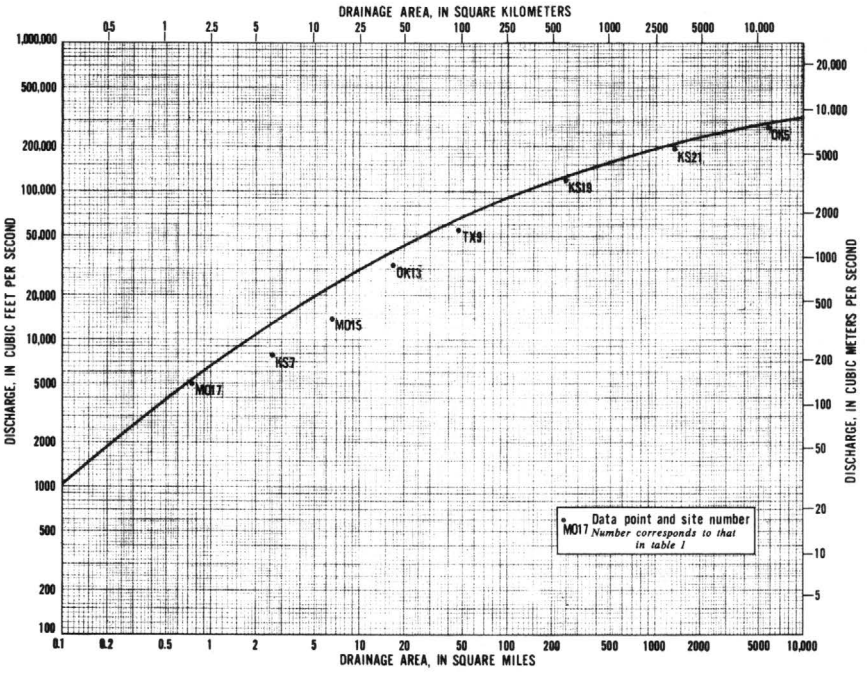

FIGURE 11.—Peak discharge versus drainage area, and envelope curve for region 9.

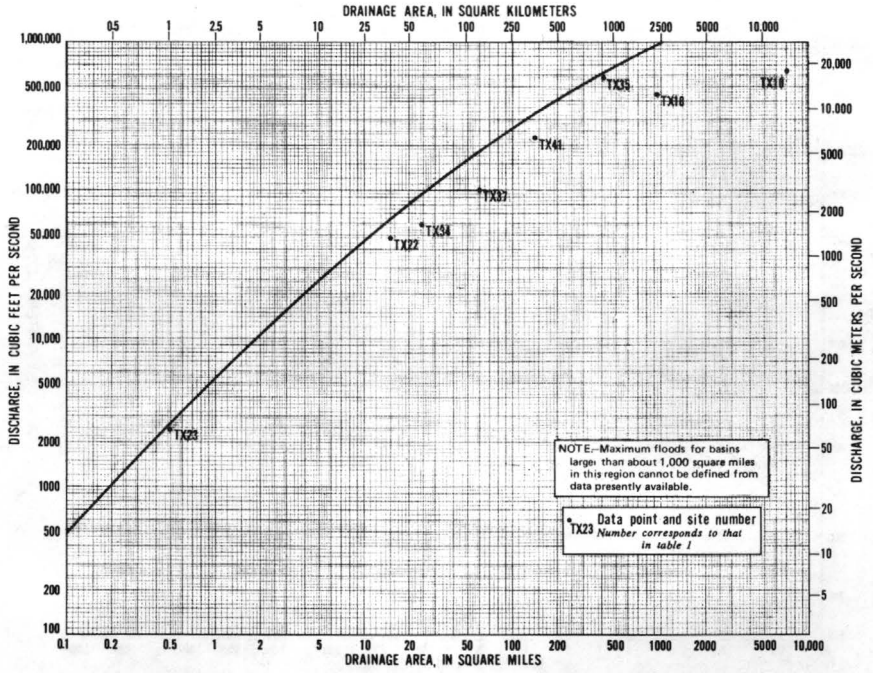

FIGURE 12.—Peak discharge versus drainage area, and envelope curve for region 10.

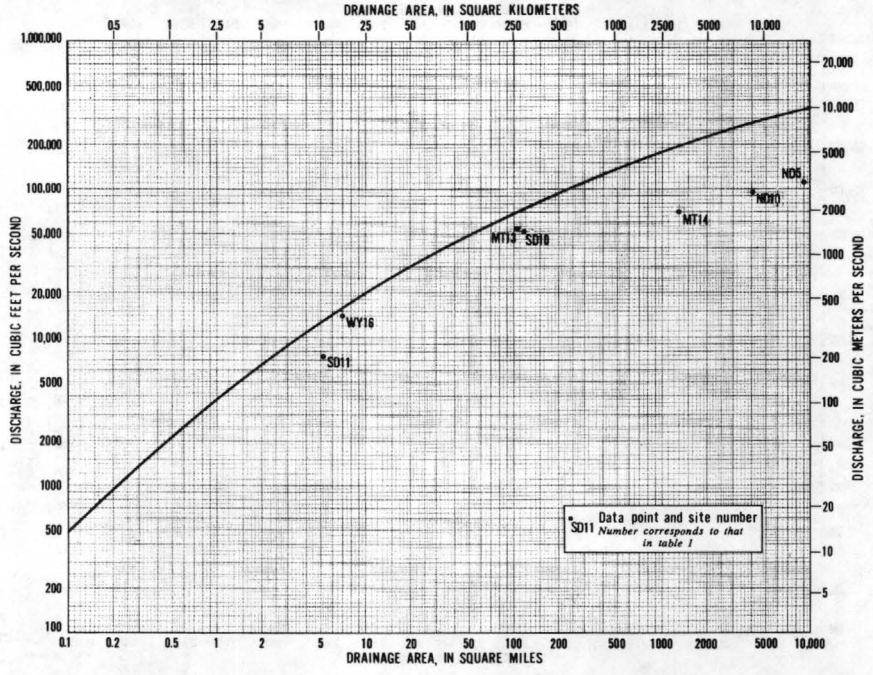

FIGURE 13.—Peak discharge versus drainage area, and envelope curve for region 11.

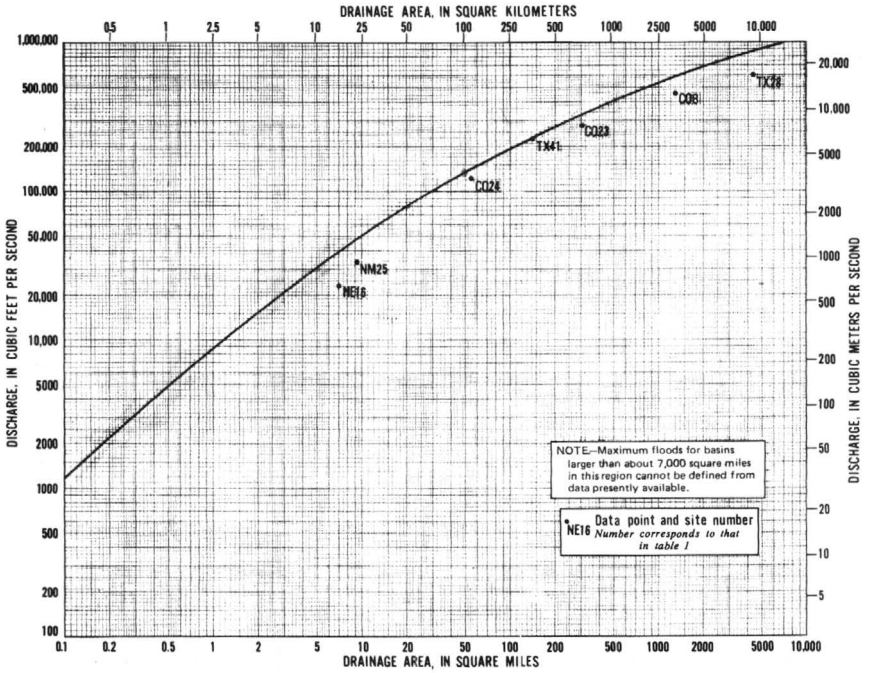

FIGURE 14.—Peak discharge versus drainage area, and envelope curve for region 12.

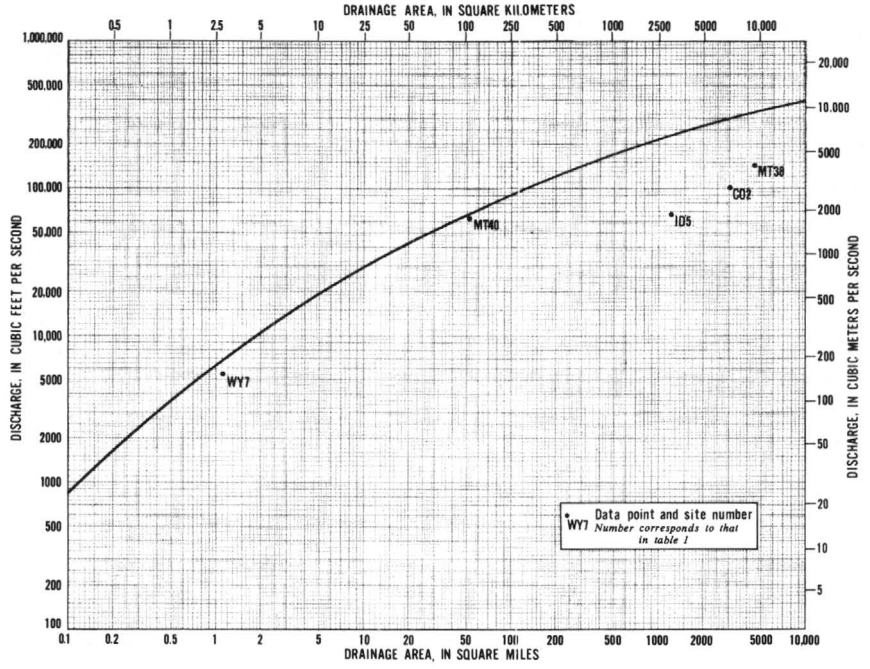

FIGURE 15.—Peak discharge versus drainage area, and envelope curve for region 13.

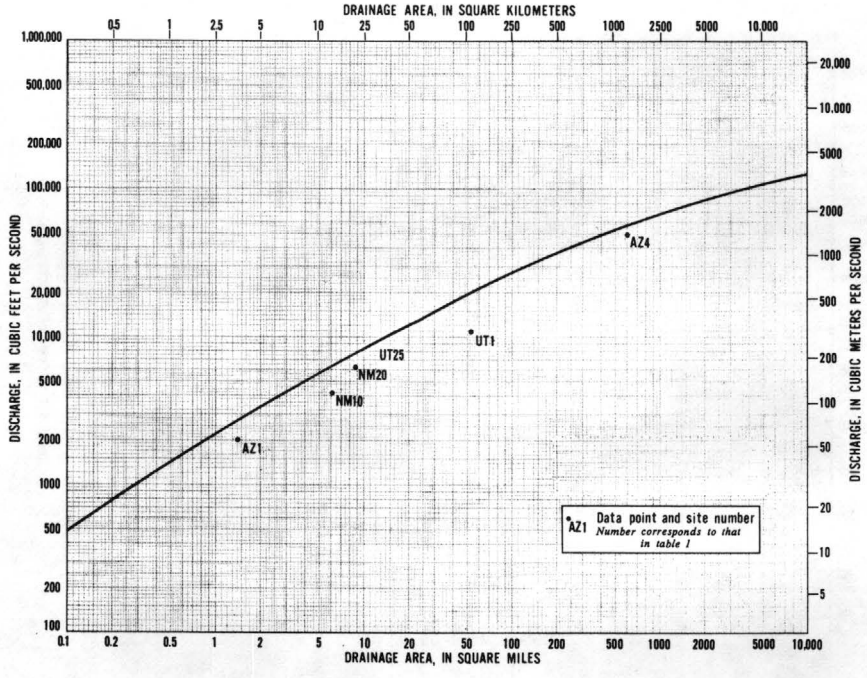

FIGURE 16.—Peak discharge versus drainage area, and envelope curve for region 14.

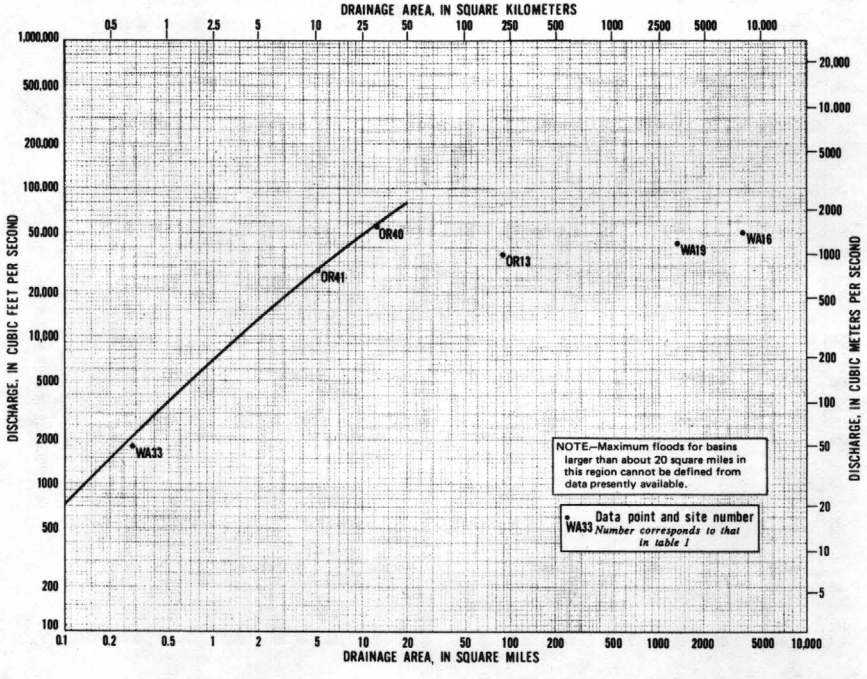

FIGURE 17.—Peak discharge versus drainage area, and envelope curve for region 15.

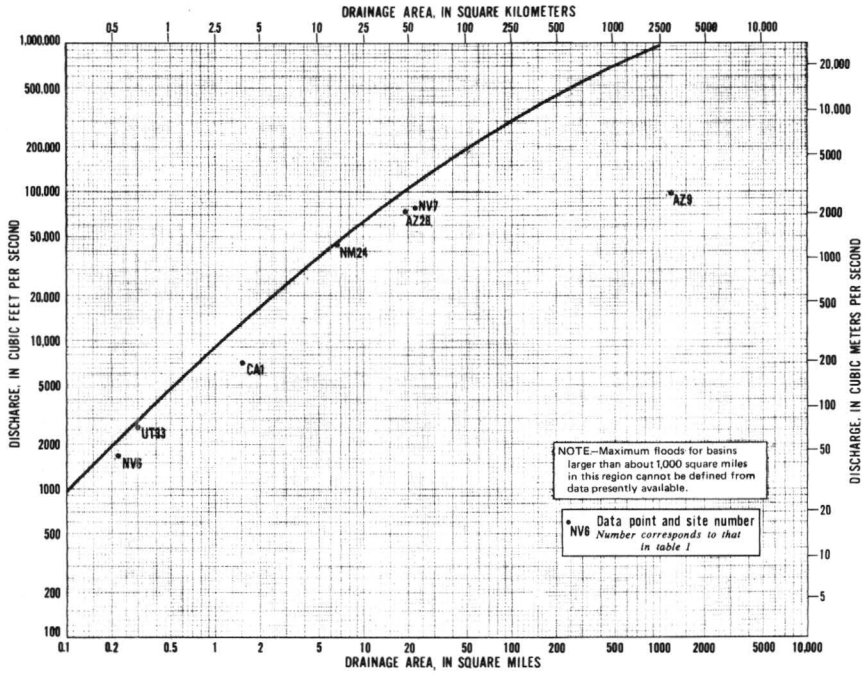

FIGURE 18.—Peak discharge versus drainage area, and envelope curve for region 16.

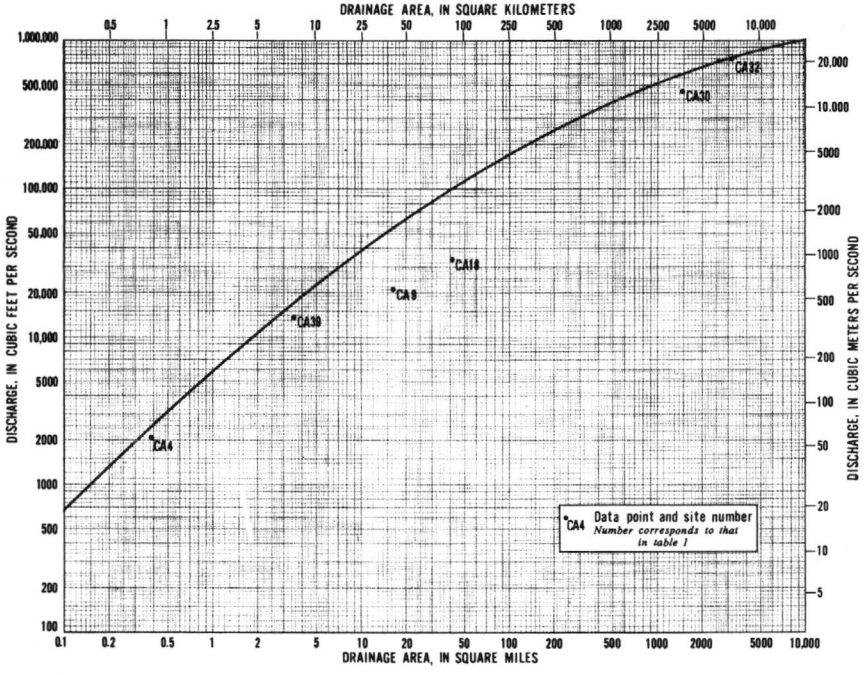

FIGURE 19.—Peak discharge versus drainage area, and envelope curve for region 17.

TABLE 1.—*Extreme floods at selected sites*

Site Number: Identification number used in figures 2-19.
Station number and name: Sites are listed by State in the same downstream order used in U.S. Geological Survey water-supply papers and annual basic-data releases. The complete 8-digit number is given, such as 02372500. The first two digits are the part number followed by a 6-digit station number. Measurements made at points other than gaging stations are given as miscellaneous sites, such as Misc. 1, at the end of each State list. Site names are abbreviated as follows: AB, above; BE, below: BR, branch; CR, creek; E, east; F, fork; HWY, highway; INT BDY, international boundary; LIT, little; M, middle; MI, mile(s); N, north; NR, near; R, river; RES, reservoir; S, south; TRIB, tributary; W, west.
Drainage area (mi^2): The total drainage area upstream from the site is given, unless otherwise noted.
Length of flood record: Letters indicate that the peak discharges of the highest annual floods are known for the following number of years: A, 50 or more; B, 25-49; C, less than 25; D, no continuous record exists.
Flood peak data: Unit discharge is the discharge in cubic feet per second per square mile and decreases as basin size increases. Daily discharge in cubic feet per second is the mean discharge for the calendar day in which the peak flood discharge occurred, or for the day before or after if that day had a higher mean discharge.
Region: The general location of the region is shown in figure 1.

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	ALABAMA							
AL 1	02372500 CONECUH R AT ANDALUSIA	1344	A	3-15-29	154000	115		3
AL 2	02421000 CATOMA CR NR MONTGOMERY	298	C	2-25-61	48600	163	36900	3
AL 3	02422500 MULBERRY CR AT JONES	208	B	4- -38	48000	231		5
AL 4	02424000 CAHABA R AT CENTERVILLE	1029	B	3-29-51	83600	81	71300	5
AL 5	02425500 CEDAR CR AT MINTER	217	C	2-25-61	45600	210	27600	3
AL 6	02427700 TURKEY CR AT KIMBROUGH	114	C	12-10-61	39600	347	16000	3
AL 7	02449400 JONES CR NR EPES	11.7	C	2-21-61	5160	441	1930	3
AL 8	02455000 LOCUST FORK NR CLEVELAND	309	B	12-28-42	47000	152	33900	5
AL 9	02462400 BLUE CR NR OAKMAN	5.7	C	2-21-61	3820	670	574	3
AL10	02465000 BLACK WARRIOR R AT TUSCALOOSA	4828	B	2-21-61	224000	46	219000	5
AL11	02469550 HORSE CR NR SWEETWATER	52.8	C	12-10-61	25800	489	12000	3
AL12	02471000 CHICKASAW CR NR WHISTLER	123	C	4-13-55	42000	341	17700	3
AL13	03574500 PAINT ROCK CR NR WOODVILLE	320	B	3-12-63	46700	146	26100	5
AL14	03573000 FLINT R NR CHASE	342	B	3-12-63	55900	163	34800	5
AL15	MISC. 1 JACKSON CR 2 MI SW OF WINN	42.7	D	7- 8-56	34000	796		3
AL16	MISC. 2 PIGEON CR AT GOSPORT	22.6	D	7- 8-56	18800	832		3

ARIZONA

AZ 1	09379100	LONG HOUSE WASH NR KAYENTA	1.38	C	7-30-67	2060	1490		14
AZ 2	09382000	PARIA R AT LEES FERRY	1410	B	10- 5-25	16100	11	5500	14
AZ 3	09384000	LITTLE COLORADO R NR ST. JOHNS	747	B	7-25-40	16000	21	1600	14
AZ 4	09399000	CLEAR CR NR WINSLOW	607	B	4- 4-29	50000	82	15600	14
AZ 5	09415000	VIRGIN R AT LITTLEFIELD	5090	B	12- 6-66	35200	7	15200	14
AZ 6	09444500	SAN FRANCISCO R AT CLIFTON	2766	A	1-19-16	190000	33		16
AZ 7	09448500	GILA R NR SOLOMON	7896	A	1-19-16	100000	13	73600	16
AZ 8	09468500	SAN CARLOS R NR PERIDOT	1027	B	3-14-41	40600	40	14200	16
AZ 9	09471000	SAN PEDRO R AT CHARLESTON	1219	A	9-28-26	98000	80	28800	16
AZ10	09473000	ARAVAIPA CR NR MAMMOTH	541	C	8- 2-19	20000	37		16
AZ11	09480500	SANTA CRUZ R NR NOGALES	533	B	8-31-35	12000	23		16
AZ12	09483000	TUCSON ARROYO AT VINE AVE, TUCSON	8.2	C	8-22-61	5000	610	390	16
AZ13	09484000	SABINO CR NR TUCSON	35.5	B	9- 6-70	7730	218	2130	16
AZ14	09484600	PANTANO WASH NR VAIL	457	C	8-11-58	38000	83		16
AZ15	09485000	RINCON CR NR TUCSON	44.8	C	8-1971	9660	216	634	16
AZ16	09496000	CORDUROY CR NR MOUTH, NR SHOW LOW	203	C	1-18-52	10900	54	5260	16
AZ17	09498500	SALT R NR ROOSEVELT	4306	A	3-14-41	117000	27	60200	16
AZ18	09499000	TONTO CR AB GUN CR, NR ROOSEVELT	675	B	9- 5-70	53000	79	11100	16
AZ19	09507980	E VERDE R NR CHILDS	328	C	9- 5-70	23500	72	5000	16
AZ20	09508500	VERDE R AB HORSESHOE DAM	5872	B	3- 3-38	100000	17		16
AZ21	09510200	SYCAMORE CR NR FORT MCDOWELL	165	C	9- 5-70	24200	147	2000	16
AZ22	09515500	HASSAYAMPA R NR WICKENBURG	417	C	9- 5-70	58000	139	5000	16
AZ23	MISC. 1	RAINBOW WASH TRIB TO GILA R	45	D	9- 3-67	11900	264		16
AZ24	MISC. 2	LEWIS AND PRANTY CR	13.4	D	8-18-67	3310	247		16
AZ25	MISC. 3	PICCACHO WASH NR YUMA	41.5	D	9- 5-39	37000	892		16
AZ26	MISC. 4	WASH AB GUNTERS RANCH NR POMERENE	3.8	D	9-26-48	6700	1760		16
AZ27	MISC. 5	AGUA FRIA R AT LAKE PLEASANT DAM	1460	D	1-28-16	105000	72		16
AZ28	MISC. 6	BRONCO CR NR WIKIEUP	19.0?	D	8-18-71	73500	3870?		16

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	ARKANSAS							
AR 1	07050500 KINGS R NR BERRYVILLE	532	B	4-14-27	62000	117		8
AR 2	07055000 WHITE R NR FLIPPIN	6067	B	4-16-27	240000	40		8
AR 3	07057000 BUFFALO R NR RUSH	1091	A	8-19-15	164000	150		8
AR 4	07060500 WHITE R AT CALICO ROCK	9965	A	1-31-16	350000	35		8
AR 5	07068890 FOURCHE R AB POCAHONTAS	228	C	3- 9-64	42000	184	18800	8
AR 6	07069500 SPRING R AT IMBODEN	1162	B	8- -15	125000	108		8
AR 7	07071500 ELEVEN POINT R NR BARDLEY	793	A	8- -15	44000	55		8
AR 8	07075000 MF LITTLE RED R AT SHIRLEY	294	B	1-24-49	101000	344	40900	8
AR 9	07076000 LITTLE RED R NR HEBER SPRINGS	1146	B	1-25-49	117000	102	104000	8
AR10	07249500 COVE CR NR LEE CR	35.3	C	5- 5-60	33600	952	2690	8
AR11	07254000 SIXMILE CR TRIB NO. 5 NR CHISMVILLE	2.76	C	5- 5-61	1070	388		8
AR12	07255100 SIXMILE CR TRIB NO. 23 NR BRANCH	4.49	C	11- 4-59	2520	561		8
AR13	07257000 BIG PINEY CR NR DOVER	274	C	1-24-49	80000	292		8
AR14	07339500 ROLLING FORK NR DE QUEEN	181	C	8-27-47	110000	608		8
AR15	07359500 OUACHITA R NR MALVERN	1562	B	5-15-23	140000	90		8
AR16	07361000 LITTLE MISSOURI R NR MURFREESBORO	380	B	3-30-45	120000	316		8
AR17	07363300 HURRICANE CR NR SHERIDAN	204	B	6-27-60	52300	256		10
AR18	07365800 CORNIE BAYOU NR THREE CREEKS	180	A	4-27-58	35800	199	28900	10
AR19	07365900 THREE CR NR THREE CREEKS	50.3	A	4-26-58	11300	225		10
	CALIFORNIA							
CA 1	09428530 ARCH CR NR EARP	1.52	C	8-19-71	7160	4710		16
CA 2	10256000 WHITEWATER R AT WHITE WATER	57.4	C	3- 2-38	42000	732		16
CA 3	10260500 DEEP CR NR HESPERIA	136	A	3- 2-38	46600	343	12000	17
CA 4	11046390 SAN JUAN CR TRIB NR ELSINORE	.39	C	2-25-69	2130	5460		17
CA 5	11056200 SANTA ANA R AT SAN BERNARDINO	354	C	3- 2-38	75700	214		17
CA 6	11056500 LITTLE SAN GORGONIO CR NR BEAUMONT	3.23	B	2-25-69	11000	3410	1180	16
CA 7	11062000 LYTLE CR NR FONTANA	46.3	A	1-25-69	35900	775	8320	17

CALIFORNIA--CONTINUED

CA 8	11069500	SAN JACINTO R NR SAN JACINTO	141	B	2-16-27	45000	319		17
CA 9	11073000	SAN ANTONIO CR NR CLAREMONT	16.5	A	3- 2-38	21400	1300	4110	17
CA10	11073470	CUCAMONGA CR NR UPLAND	10.1	B	1-25-69	14100	1400	4050	17
CA11	11080500	EF SAN GABRIEL R NR CAMP BONITA	84.6	B	3- 2-38	46000	544	10000	17
CA12	11095500	TUJUNGA CR NR SUNLAND	106	A	3- 2-38	50000	472	13000	17
CA13	11096000	HAINES CR NR TUJUNGA	1.26	A	2- -14	4620	3670		17
CA14	11098000	ARROYO SECO NR PASADENA	16.0	A	3- 2-38	8620	539	2700	17
CA15	11103000	LOS ANGELES R AT LONG BEACH	832	B	1-25-69	102000	123	55000	17
CA16	11113000	SESPE CR NR FILLMORE	251	B	1-25-69	60000	239	29100	17
CA17	11118500	VENTURA R NR VENTURA	188	B	1-25-69	58000	309	20000	17
CA18	11142500	ARROYO DE LA CRUZ NR SAN SIMEON	41.2	C	12- 6-66	35200	854	8640	17
CA19	11187000	KERN R AT KERNVILLE	1009	C	12- 6-66	74000	73	44500	17
CA20	11203200	TULE CR NR SPRINGVILLE	247	C	12- 6-66	49600	201	30200	17
CA21	11209900	KAWEAH R AT THREE RIVERS	418	C	12- 5-66	73000	175	37100	17
CA22	11220000	BIG CR AB PINE FLAT RES NR TRIMMER	70.0	C	1-25-69	16400	234		17
CA23	11268000	SF MERCED R NR EL PORTAL	241	C	12-23-55	46500	193	29400	17
CA24	11382000	THOMES CR AT PASKENTA	194	B	12-22-64	37800	195	29800	17
CA25	11421000	YUBA R NR MARYSVILLE	1339	B	12-22-64	[2]180000	134	130000	17
CA26	11453500	PUTAH CR NR GUENOC	113	B	12-11-37	32000	283	13600	17
CA27	11454000	PUTAH CR NR WINTERS	574	B	2-27-40	81000	141	54500	17
CA28	11467000	RUSSIAN R NR GUERNEVILLE	1340	B	12-23-64	93400	70	90000	17
CA29	11469000	MATTOLE R NR PETROLIA	240	C	12-22-55	90400	377	45900	17
CA30	11474000	EEL R BE DOS RIOS	1484	C	12-22-64	460000	310	351000	17
CA31	11476500	SF EEL R NR MIRANDA	537	B	12-22-64	199000	371	161000	17
CA32	11477000	EEL R AT SCOTIA	3113	A	12-23-64	752000	242	648000	17
CA33	11481000	MAD R NR ARCATA	485	C	12-22-64	81000	167		17
CA34	11522500	SALMON R AT SOMES BAR	751	B	12-22-64	133000	177	100000	17
CA35	11527550	PANTHER CR NR DENNY	5.66	C	12-22-64	14000	2470		17

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	CALIFORNIA--CONTINUED							
CA36	11530000 TRINITY R AT HOOPA	2854	B	12-22-64	231000	81	168000	17
CA37	11532000 SF SMITH R NR CRESCENT CITY	291	C	12-22-64	162000	557		17
CA38	11532500 SMITH R NR CRESCENT CITY	609	B	12-22-64	228000	374	180000	17
CA39	MISC. 1 CAMERON CR NR TEHACHAPI	3.59	D	9-30-32	13500	3760		16
	COLORADO							
CO 1	06709500 PLUM CR NR LOUVIERS	302	C	6-16-65	154000	510	11600	12
CO 2	06710000 S PLATTE R AT LITTLETON	3069	A	6-16-65	110000	36	10200	13
CO 3	06713500 CHERRY CR AT DENVER	409	A	7-1885	20000	49		12
CO 4	06714000 S PLATTE R AT DENVER	3804	A	6-17-65	40300	11	12000	13
CO 5	06757600 KIOWA CR NR EASTONVILLE	3.20	C	7-30-57	5250	1640		12
CO 6	06758000 KIOWA CR AT ELBERT	28.6	B	5-31-35	43500	1520	2280	12
CO 7	06758200 KIOWA CR AT KIOWA	190	B	5-31-35	110000	579		12
CO 8	06759000 BIJOU CR NR WIGGINS	1314	C	6-18-65	466000	355		12
CO 9	06826500 SF REPUBLICAN R NR HALE	[3]1825	B	5-31-35	103000	56		12
CO10	07091500 ARKANSAS R AT SALIDA	1218	A	6-29-57	9220	8	9090	13
CO11	07111000 HUERFANO R AT REDWING	73	B	8- 2-51	10200	140	630	13
CO12	07124500 PURGATOIRE R AT TRINIDAD	795	A	9-30-04	45400	57		12
CO13	07125500 SAN FRANCISCO CR NR ALFALFA	160	C	7-22-54	26300	164		12
CO14	08251500 RIO GRANDE NR LOBATOS	[3]7700	A	6- 8-05	13200	2		13
CO15	09085000 ROARING FORK AT GLENWOOD SPRINGS	1451	A	7- 1-57	19000	13	16600	13
CO16	09114500 GUNNISON R NR GUNNISON	1012	A	6-13-18	11400	11	11400	13
CO17	09128000 GUNNISON R BE GUNNISON TUNNEL	3965	A	6-15-21	19000	5		13
CO18	09166500 DOLORES R AT DOLORES	504	A	10-15-11	10000	20		14
CO19	09342500 SAN JUAN R AT PAGOSA SPRINGS	298	B	10-15-11	25000	84		14
CO20	MISC. 1 E PLUM CR NR CASTLE ROCK	108	D	6-16-65	126000	1170		12

		COLORADO--CONTINUED							
CO21	MISC. 2	ROCK CR NR LIVESAY	59	D	6- 3-21	53900	914		12
CO22	MISC. 3	BEAVER CR NR HOBSON	205	D	6- 3-21	153000	746		12
CO23	MISC. 4	E BIJOU CR AT DEER TRAIL	302	D	6-17-65	274000	907		12
CO24	MISC. 5	JIMMY CAMP CR NR FOUNTAIN	54.3	D	6-17-65	124000	2280		12
		CONNECTICUT							
CT 1	01184000	CONNECTICUT R AT THOMPSONVILLE	9661	B	3-20-36	282000	29	278000	1
CT 2	01186100	MAD R AT WINSTED	18.4	C	8-19-55	10200	554		1
CT 3	01187400	VALLEY BROOK NR WEST HARTLAND	7.20	B	8-19-55	5400	750		1
CT 4	01187980	FARMINGTON R AT COLLINSVILLE	360	C	8-19-55	140000	389		1
CT 5	01188000	BURLINGTON BROOK NR BURLINGTON	4.12	B	8-19-55	1690	410	673	1
CT 6	01189500	SALMON BROOK NR GRANBY	66.8	C	8-19-55	40000	599	18400	1
CT 7	01206900	NAUGATUCK R AT THOMASTON	101	C	8-19-55	53400	529		1
CT 8	01208500	NAUGATUCK R AT BEACON FALLS	261	B	8-19-55	106000	406	56400	1
		DELAWARE							
DE 1	01477800	SHELLPOT CR AT WILMINGTON	7.46	C	9-13-71	6850	918		2
DE 2	01479000	WHITE CLAY CR NR NEWARK	87.8	B	6-22-72	9080	103	3980	2
DE 3	01480000	RED CLAY CR AT WOODDALE	47.0	B	9-12-60	4780	102	2430	2
DE 4	01481500	BRANDYWINE CR AT WILMINGTON	314	C	6-23-72	29000	92	14300	2
		FLORIDA							
FL 1	02231000	ST. MARYS R NR MCCLENNY	700	B	9-25-47	28100	40	27600	3
FL 2	02232200	WOLF CR NR DEER PARK	25.7	C	10-16-56	7700	300	5850	3
FL 3	02232500	ST. JOHNS R NR CHRISTMAS	1539	B	10-12-53	11700	8	11600	3
FL 4	02256500	FISHEATING CR AT PALMDALE	311	B	10- 3-51	31400	101	30500	3
FL 5	02295637	PEACE R AT ZOLFO SPRINGS	826	B	9- 6-33	26300	32		3

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	FLORIDA--CONTINUED							
FL 6	02301500 ALAFIA R AT LITHIA	335	B	9- 7-33	45900	137	40800	3
FL 7	02304500 HILLSBOROUGH R NR TAMPA	650	B	9- 9-33	16500	25		3
FL 8	02319000 WITHLACOOCHEE R NR PINETTA	2120	B	4- 5-48	79400	37	73600	3
FL 9	02329500 LITTLE R NR QUINCY	237	C	9-22-69	45600	192	35500	3
FL10	02330000 OCHLOCKONEE R NR BLOXHAM	1720	B	9-23-69	[2]89400	52	73200	3
FL11	02365500 CHOCTAWHATCHEE R AT CARYVILLE	3499	B	3-17-29	206000	59		3
FL12	02375500 ESCAMBIA R NR CENTURY	3817	A	3- -29	315000	83		3
FL13	02376000 PINE BARREN CR NR BARTH	75.3	C	4-14-55	24000	319	9460	3
FL14	02376500 PERDIDO R AT BARRINEAU PARK	394	B	4-15-55	39000	99	31600	3
	GEORGIA							
GA 1	02182000 PANTHER CR NR TOCCOA	32.5	B	6-16-49	15100	465	7200	5
GA 2	02192000 BROAD R NR BELL	1430	B	10- 2-29	79400	56		5
GA 3	02197000 SAVANNAH R AT AUGUSTA	7508	A	1796	360000	48		5
GA 4	02213000 OCMULGEE R AT MACON	2240	A	11-29-48	83500	37	80200	5
GA 5	02213050 WALNUT CR NR GRAY	29	C	12-26-64	15500	534	8400	3
GA 6	02223000 OCONEE R AT MILLEDGEVILLE	2950	A	2-25-61	122000	41	81500	5
GA 7	02228000 SATILLA R AT ATKINSON	2790	A	9- -29	110000	39		3
GA 8	02316000 ALAPAHA R NR ALAPAHA	663	A	4- -28	16000	24		3
GA 9	02318000 LITTLE R NR ADEL	577	B	4- 2-48	38800	67	35400	3
GA10	02327500 OCHLOCKONEE R NR THOMASVILLE	550	B	4- 2-48	72000	131	57400	3
GA11	02328000 TIRED CR NR CAIRO	60	B	4- 1-48	28100	468		3
GA12	02335000 CHATTAHOOCHEE R NR NORCROSS	1170	A	1- 8-46	55000	47	49600	5
GA13	02340500 MOUNTAIN OAK CR NR HAMILTON	61.7	B	7-11-48	11800	191	8860	3
GA14	02341500 CHATTAHOOCHEE R AT COLUMBUS	4670	A	3-15-29	198000	42		5
GA15	02347500 FLINT R NR CULLODEN	1850	B	3-15-29	92000	50	78900	5

		GEORGIA--CONTINUED							
GA16	02353500	ICHAWAYNOCHAWAY CR AT MILFORD	620	A	7- -16	15500	25		3
GA17	02382500	COOSAWATTEE R AT CARTERS	531	C	3-30-51	57000	107		5
GA18	02387500	OOSTANAULA R AT RESACA	1610	A	4- 1-86	68600	43		5
GA19	02397000	COOSA R NR ROME	4040	A	4- 1-86	100000	25		5
GA20	MISC. 1	TRAIL CR AT ATHENS	11.8	D	6- 4-67	15000	1270		5
GA21	MISC. 2	NOTTELY R NR BLAIRSVILLE	45.4	D	8-23-67	21200	467		5
		IDAHO							
ID 1	10090500	BEAR R NR PRESTON	4500	A	6-10-07	8500	2		13
ID 2	12305500	BOULDER CR NR LEONIA	53	B	1-16-74	3140	59		13
ID 3	12307500	MOYIE R AT EILEEN	755	B	6-19-16	12000	16		13
ID 4	12321500	BOUNDARY CR NR PORTHILL	97	B	6- 2-68	3540	36	2480	13
ID 5	12413500	COEUR D'ALENE R NR CATALDO	1220	B	12-23-33	67000	55	50000	13
ID 6	12414500	ST. JOE R AT CALDER	1030	B	12-23-33	53000	51	38000	13
ID 7	12415000	ST. MARIES R AT LOTUS	437	B	12-23-33	23800	54	10900	13
ID 8	12419000	SPOKANE R NR POST FALLS	3840	A	12-25-33	50100	13	49800	13
ID 9	13141500	CAMAS CR NR BLAINE	648	B	4- 8-43	9780	15		13
ID10	13185000	BOISE R NR TWIN SPRINGS	830	A	12-23-64	18800	23	15400	15
ID11	13341000	NF CLEARWATER R NR AHSAHKA	2440	B	12-23-33	100000	41	90000	13
ID12	13342500	CLEARWATER R AT SPALDING	9570	B	5-29-48	177000	18	166000	13
ID13	MISC. 1	HIGHLAND VALLEY GULCH NR BOISE	0.39	D	8-20-59	2100	5380		15
ID14	MISC. 2	MAYNARD GULCH NR BOISE	2.25	D	8-20-59	9540	4240		15
ID15	MISC. 3	SQUAW CR NR BOISE	1.47	D	8-20-59	7320	4980		15
		ILLINOIS							
IL 1	03339000	VERMILION R NR DANVILLE	1279	B	3-13-39	48700	38	41000	6
IL 2	03380500	SKILLET FORK AT WAYNE CITY	464	A	5- 9-61	51000	110	45000	6

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	ILLINOIS--CONTINUED							
IL 3	05415500 EF GALENA R AT COUNCIL HILL	20.1	B	4-29-47	16600	826	645	6
IL 4	05527500 KANKAKEE R NR WILMINGTON	5250	B	7-13-57	75900	14		6
IL 5	05583000 SANGAMON R NR OAKFORD	5120	B	5-20-43	123000	24	120000	6
IL 6	05592500 KASKASKIA R AT VANDALIA	1980	A	6-29-57	62700	32	54000	6
IL 7	MISC. 1 HORSE CR NR COTTON HILL	127	D	5- -43	26000	205		6
	INDIANA							
IN 1	03323000 WABASH R AT BLUFFTON	532	B	3-26-13	25000	47		6
IN 2	03329500 WABASH R AT DELPHI	4072	B	3-26-13	145000	36		6
IN 3	03341200 LITTLE RACCOON CR NR CATLIN	133	C	6-28-57	53400	402	18700	6
IN 4	03341300 BIG RACCOON CR AT COXVILLE	448	C	6-28-57	108000	241	51400	6
IN 5	03347000 WHITE R AT MUNCIE	241	B	3- -13	20000	83		6
IN 6	03353000 WHITE R AT INDIANAPOLIS	1635	A	3-26-13	70000	43		6
IN 7	03354500 BEANBLOSSOM CR AT BEANBLOSSOM	14.6	C	6-23-60	8140	558	1220	6
IN 8	03371500 EF WHITE R NR BEDFORD	3861	A	3- -13	155000	40		6
	IOWA							
IO 1	05451500 IOWA R AT MARSHALLTOWN	1564	A	6- 4-18	42000	27		6
IO 2	05452000 SALT CR NR ELBERON	201	C	6-13-47	35000	174	13000	6
IO 3	05454500 IOWA R AT IOWA CITY	3271	A	6-1851	70000	21		6
IO 4	05464000 CEDAR R AT WATERLOO	5146	B	3-29-61	76700	15	74000	6
IO 5	05486490 MIDDLE R NR INDIANOLA	503	B	6-13-47	34000	68	21400	6
IO 6	06483270 ROCK CR AT ROCK RAPIDS	788	C	4- 8-69	29000	37	23700	6
IO 7	06600500 FLOYD R AT JAMES	882	B	6- 8-53	71500	81	32400	6
IO 8	06808200 SPRING VALLEY CR NR TABOR	7.65	C	7-30-58	4150	542	257	6
IO 9	06809000 DAVIDS CR NR HAMLIN	26.0	C	7- 2-58	22700	873	1620	6
IO10	06810000 NISHNABOTNA R AB HAMBURG	2806	B	6-24-47	55500	20	36200	6

IOWA--CONTINUED

IO11	06811800	E TARKIO CR NR STANTON	4.66	C	6- 9-67	4790	1030		6
IO12	06898400	WELDON R NR LEON	104	C	8- 6-59	48600	467	16400	6
IO13	MISC. 1	MALONE CR AT INDEPENDENCE	10.0	D	7-17-68	10700	1070		6
IO14	MISC. 2	DRY RUN CR AT CEDAR FALLS	8.46	D	8- 5-68	7600	898		6
IO15	MISC. 3	BIG DEVIL CR NR FORT MADISON	152	D	6-10-05	80000	526		6
IO16	MISC. 4	WAYMAN CR AT GARBER	6.98	D	5-31-58	15500	2220		6
IO17	MISC. 5	CATFISH CR NR DUBUQUE	40.5	D	8-16-18	28000	691		6
IO18	MISC. 6	STRATTON CR NR WASHTA	1.90	D	8- 9-61	11000	5790		6

KANSAS

KS 1	06815700	BUTTERMILK CR NR WILLIS	3.74	C	10-12-61	5060	1350		9
KS 2	06855800	BUFFALO CR NR JAMESTOWN	330	A	10-12-73	27800	84	19900	12
KS 3	06860000	SMOKY HILL R AT ELKADER	3555	B	5-30-38	71000	20		12
KS 4	06869500	SALINE R AT TESCOTT	2820	A	7-13-51	61400	22	47600	12
KS 5	06873000	SF SOLOMON R AB WEBSTER RES	1040	B	7-12-51	55200	53	35000	12
KS 6	06876900	SOLOMON R AT NILES	6770	A	7-14-51	178000	26	157000	9
KS 7	06889100	SOLDIER CR NR GOFF	2.06	C	5-10-70	7080	3440	288	9
KS 8	06890500	DELAWARE R AT VALLEY FALLS	922	A	6-21-51	94000	102	55200	9
KS 9	06911000	MARAIS DES CYGNES R AT MELVERN	351	B	7-11-51	68500	195	39400	9
KS10	06913500	MARAIS DES CYGNES R NR OTTAWA	1250	A	7-11-51	142000	114	134000	9
KS11	06916700	MIDDLE CR NR KINCAID	2.02	C	5-11-57	2400	1190		9
KS12	07143800	BLACK KETTLE CR TRIB NR HALSTEAD	1.65	C	6- 2-62	2440	1480		9
KS13	07147800	WALNUT R AT WINFIELD	1872	A	4-23-44	105000	56	77100	9
KS14	07165700	VERDIGRIS R NR MADISON	181	C	7-11-51	128000	707		9
KS15	07166700	BURNT CR AT REESE	8.85	C	6- 9-65	20500	2320		9
KS16	07167000	FALL R NR EUREKA	307	B	6-29-51	91800	299	31300	9
KS17	07169200	SALT CR NR SEVERY	7.59	C	5- 5-61	6500	856		9
KS18	07170000	ELK R NR ELK CITY	575	B	5- 6-61	100000	174	56200	9

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	KANSAS--CONTINUED							
KS19	07179500 NEOSHO R AT COUNCIL GROVE	250	B	7-11-51	121000	484	34000	9
KS20	07181500 MIDDLE CR NR ELMDALE	92	C	6-27-69	60000	652		9
KS21	07182000 COTTONWOOD R AT COTTONWOOD FALLS	1327	B	7-11-51	196000	148	117000	9
KS22	07182400 NEOSHO R AT STRAWN	2933	C	7-11-51	400000	136	274000	9
KS23	07183000 NEOSHO R NR IOLA	3818	A	7-13-51	436000	114	344000	9
KS24	07183500 NEOSHO R NR PARSONS	4905	B	7-14-51	410000	84	366000	9
KS25	07183800 LIMESTONE CR NR BEULAH	12	C	6-13-64	10000	833		9
	KENTUCKY							
KY 1	03209500 LEVISA FORK AT PIKEVILLE	1237	A	1-30-57	85500	69	58700	4
KY 2	03250000 TRIPLETT CR AT MOREHEAD	47.5	B	7- 5-39	44000	926		4
KY 3	03280900 MF KENTUCKY R AT BUCKHORN	420	C	1-29-57	82300	196	37400	4
KY 4	03284500 KENTUCKY R NR CAMP NELSON	4414	A	3-28-13	103000	23		4
KY 5	03290000 FLAT CR NR FRANKFORT	5.63	C	7- 8-55	7100	1260	307	7
KY 6	03291500 EAGLE CR AT GLENCOE	437	A	3-10-64	58200	133	39300	7
KY 7	03314000 DRAKES CR NR ALVATON	[3]478	B	6-23-69	80000	167		7
KY 8	03315500 GREEN R AT LOCK 4, AT WOODBURY	5403	B	1-25-37	205000	38		7
KY 9	03401000 CUMBERLAND R NR HARLAN	374	A	12-31-69	43200	116	21900	4
KY10	03406500 ROCKCASTLE R AT BILLOWS	604	A	6-29-47	46800	77	35000	4
KY11	03411000 SF CUMBERLAND R AT NEVELSVILLE	1271	A	3-23-29	130000	102		4
KY12	03610000 EF CLARKS R AT MURRAY	89.7	C	3-22-52	32300	360	10000	3
KY13	MISC. 1 BIG RUN NR BROOKSVILLE	4.99	D	5-13-55	9420	1890		7

		LOUISIANA							
LA 1	07355000	HEMPHILL CR NR HOT WELLS	18.0	C	4-29-53	8320	462	3630	10
LA 2	07371000	GARRETT CR AT JONESBORO	2.14	C	4-29-53	1670	780	285	10
LA 3	07372500	BAYOU FUNNY LOUIS NR TROUT	92	B	5-17-53	32700	355	20500	10
LA 4	07373500	WF THOMPSON CR NR WAKEFIELD	35.3	C	5- 4-53	18100	513	5960	10
LA 5	08014500	WHISKY CHITTO CR NR OBERLIN	510	B	5-18-53	144000	282	108000	10
		MAINE							
ME 1	01010500	ST. JOHN R AT DICKEY	2700	C	5- 1-74	87200	32	66000	1
ME 2	01014000	ST. JOHN R AT FORT KENT	5690	B	5- 1-74	148000	26	130000	1
ME 3	01031500	PISCATAQUIS R NR DOVER-FOXCROFT	297	A	11- 4-66	22800	77	16400	1
ME 4	01033500	PLEASANT R NR MILO	324	B	11- 4-66	28600	88	23200	1
ME 5	01034000	PISCATAQUIS R AT MEDFORD	1161	B	11- 4-66	60100	52	52900	1
ME 6	01034500	PENOBSCOT R AT WEST ENFIELD	6670	A	5- 1-23	153000	23	152000	1
ME 7	01047000	CARRABASSETT R NR NORTH ANSON	354	B	3-19-36	30800	87	20100	1
ME 8	01048000	SANDY R NR MERCER	514	B	3-19-36	38600	75	25500	1
ME 9	01054200	WILD R AT GILEAD	69.5	C	10-24-59	18100	260		1
ME10	01055000	SWIFT R NR ROXBURY	95.8	B	10-24-59	16800	175	5250	1
ME11	01059000	ANDROSCOGGIN R NR AUBURN	3257	B	3-20-36	135000	41	114000	1
ME12	01066000	SACO R AT CORNISH	1298	A	3-22-36	45000	35		1
		MARYLAND							
MD 1	01491000	CHOPTANK R NR GREENSBORO	113	C	8- 4-67	6970	62	6160	2
MD 2	01492000	BEAVERDAM BRANCH AT MATTHEWS	5.85	C	9-12-60	2200	376	696	2
MD 3	01493500	MORGAN CR NR KENNEDYVILLE	10.5	C	6-22-72	7500	714	2810	4
MD 4	01495000	BIG ELK CR AT ELK MILLS	52.6	B	7- 5-37	[1]10600	202	1630	2
MD 5	01496000	NORTHEAST CR AT LESLIE	24.3	C	6-22-72	4800	198	2220	2

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	MARYLAND--CONTINUED							
MD 6	01578500 OCTORARO CR NR RISING SUN	193	A	6-1884	60000	311		4
MD 7	01584500 LIT GUNPOWDER FALLS, LAUREL BROOK	36.1	B	8-23-33	9200	255	2800	4
MD 8	01587500 S BR PATAPSCO R AT HENRYTON	64.4	C	6-22-72	26900	418	8000	4
MD 9	01590000 NORTH R NR ANNAPOLIS	8.5	B	8- 2-44	5000	588	652	4
MD10	01591000 PATUXENT R NR UNITY	34.8	C	9-11-71	21800	626		4
MD11	01595500 NBR POTOMAC R AT KITZMILLER	225	C	10-15-54	33400	148	8700	4
MD12	01601500 WILLS CR NR CUMBERLAND	247	B	3-17-36	38100	154	14800	4
MD13	01603000 NBR POTOMAC R NR CUMBERLAND	875	A	6-1889	89000	102		4
MD14	01613000 POTOMAC R AT HANCOCK	4073	A	3-18-36	340000	83	261000	4
MD15	01614500 CONOCOCHEAGUE CR AT FAIRVIEW	494	A	6-23-72	32400	66	26700	4
MD16	01638500 POTOMAC R AT POINT OF ROCKS	9651	A	3-19-36	480000	50	434000	4
MD17	01643000 MONOCACY R NR FREDERICK	817	A	6-23-72	81600	100	74000	4
MD18	01645000 SENECA CR AT DAWSONVILLE	101	B	6-22-72	26100	258	9900	4
MD19	01661000 CHAPTICO CR AT CHAPTICO	10.7	C	9-10-50	7800	729	1140	4
MD20	03076500 YOUGHIOGHENY R AT FRIENDSVILLE	295	B	3-29-24	15600	53		4
	MASSACHUSETTS							
MA 1	01099500 CONCORD R AT LOWELL	405	B	3-22-68	4800	12	4740	2
MA 2	01100000 MERRIMACK R AT LOWELL	4635	B	3-20-36	173000	37	161000	1
MA 3	01102000 IPSWICH R NR IPSWICH	124	B	3-21-68	2680	22	2590	2
MA 4	01105000 NEPONSET R AT NORWOOD	35.2	B	8-19-55	1490	42	1260	2
MA 5	01105500 EBR NEPONSET R AT CANTON	27.2	C	8-19-55	1790	66	1360	2
MA 6	01105600 OLD SWAMP R NR SOUTH WEYMOUTH	4.29	C	3-18-68	566	132	361	2
MA 7	01108000 TAUNTON R AT STATE FARM	260	B	3-20-68	4980	19	4930	2
MA 8	01109000 WADING R NR NORTON	42.4	B	3-19-68	1460	34	1280	2
MA 9	01110500 BLACKSTONE R AT NORTHBRIDGE	139	B	8-20-55	16900	122	8850	1
MA10	01124500 LITTLE R AT BUFFUMVILLE	27.7	B	8-19-55	8340	301	5180	1

MASSACHUSETTS--CONTINUED

MA11	01168500	DEERFIELD R AT CHARLEMONT	362	B	9-21-38	56300	156	20600	1
MA12	01170500	CONNECTICUT R AT MONTAGUE CITY	7865	A	3-19-36	236000	30	233000	1
MA13	01179500	WESTFIELD R AT KNIGHTVILLE	162	A	9-21-38	37900	234		1
MA14	01180500	MBR WESTFIELD R AT GOSS HEIGHTS	52.6	A	9-21-38	19900	378	4720	1
MA15	01185500	WBR FARMINGTON R NR NEW BOSTON	92.0	A	8-19-55	34300	373	16100	1
MA16	01332000	NBR HOOSIC R AT NORTH ADAMS	39.0	B	11- -27	9980	256		1
MA17	MISC. 1	POWDERMILK BROOK NR WESTFIELD	2.50	D	8-19-55	5740	2300		1

MICHIGAN

MI 1	04031000	BLACK R NR BESSEMER	200	C	4-24-60	14800	74	12700	6
MI 2	04035500	MBR ONTONAGON R NR ROCKLAND	671	B	8-22-42	27000	40	16300	6
MI 3	04040000	ONTONAGON R NR ROCKLAND	1340	B	8-22-42	42000	31	31200	6
MI 4	04112500	RED CEDAR R AT EAST LANSING	355	A	3-24-04	8000	23		6
MI 5	04113000	GRAND R AT LANSING	1230	A	3-26-04	24500	20		6
MI 6	04153500	SALT R NR NORTH BRADLEY	138	B	3-20-48	8200	59	5500	6
MI 7	04157000	SAGINAW R AT SAGINAW	6060	A	3-29-04	68000	11		6
MI 8	04158500	PIGEON R NR OWENDALE	55	C	3-25-54	2550	46	960	6
MI 9	MISC. 1	SBR AMMOND CR NR ROSE CITY	1.14	D	5-20-59	1710	1500		6

MINNESOTA

MN 1	04014500	BAPTISM R NR BEAVER BAY	140	B	8- 9-39	9350	67	6550	6
MN 2	04024000	ST. LOUIS R AT SCANLON	3430	A	5- 9-50	37900	11		6
MN 3	05062000	BUFFALO R NR DILWORTH	1040	B	4-11-69	10400	10	9890	11
MN 4	05079000	RED LAKE R AT CROOKSTON	5280	A	4-12-69	28400	5		11
MN 5	05127500	BASSWOOD R NR WINTON	1740	B	5-24-50	15600	9		6
MN 6	05131500	LITTLE FORK R AT LITTLE FORK	1730	A	4-18-16	25000	14	23400	6
MN 7	05300000	LAC QUI PARLE R NR LAC QUI PARLE	983	B	4-10-69	17100	17	16000	6

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	MINNESOTA--CONTINUED							
MN 8	05316500 REDWOOD R NR REDWOOD FALLS	697	B	6-18-57	19700	28	11400	6
MN 9	05317000 COTTONWOOD R NR NEW ULM	1280	B	4-10-69	28700	22	27100	6
MN10	05320500 LE SUEUR R NR RAPIDAN	1100	B	8- 8-65	24700	22	23400	6
MN11	05373000 SF ZUMBRO R NR ROCHESTER	304	A	3- 1-65	19600	64	10900	6
MN12	05374000 ZUMBRO R AT ZUMBRO FALLS	1130	B	7-22-51	35900	32	20700	6
MN13	05379000 GILMORE CR AT WINONA	8.95	B	7-21-51	5360	599	154	6
MN14	05384000 ROOT R NR LANESBORO	615	B	3-29-62	22100	36	19500	6
MN15	05384500 RUSH CR NR RUSHFORD	129	B	3-26-50	11600	90	3460	6
MN16	05385000 ROOT R NR HOUSTON	1270	B	4- 1-52	37000	29	31100	6
MN17	MISC. 1 WILLOW CR NR ROCHESTER	17.6	D	6- 4-58	6240	355		6
	MISSISSIPPI							
MS 1	02430000 MACKEYS CR NR DENNIS	66.8	B	3-21-55	16300	244	6860	3
MS 2	02436000 CHIWAPA CR AT SHANNON	136	C	3-21-55	35500	261	19000	3
MS 3	02436500 TOWN CR NR NETTLETON	617	A	3-22-55	151000	245	95300	3
MS 4	02487900 COPIAH CR NR HAZELHURST	48.6	C	10- 4-64	22000	453		3
MS 5	07266000 CANE CR NR NEW ALBANY	22.2	C	3-21-55	8680	391	3640	3
MS 6	07283000 SKUNA R AT BRUCE	254	C	3-21-55	61400	242	31500	3
MS 7	07292500 HOMOCHITTO R AT ROSETTA	750	C	4-13-74	150000	200	118000	3
MS 8	07295000 BUFFALO R NR WOODVILLE	182	B	3-25-73	65000	357	30700	3
MS 9	MISC. 1 CANEY CR NR EUREKA SPRING	4.85	D	5-27-54	14700	3030		3
MS10	MISC. 2 LONG CR NR POPE	30.8	D	5-27-54	31900	1040		3
	MISSOURI							
MO 1	05504900 SF SALT R NR SANTA FE	295	B	10-13-69	28800	98	24000	9
MO 2	05509700 CALUMET CR NR CLARKSVILLE	15.7	C	- -47	14000	892		9

MISSOURI--CONTINUED

MO 3	05514500	CUIVRE R NR TROY	903	A	10- 5-41	120000	133		9
MO 4	06821000	JENKINS BRANCH AT GOWER	2.72	C	7-20-65	3460	1270	281	9
MO 5	06894500	EF FISHING R AT EXCELSIOR SPRINGS	20	C	7- 6-51	12000	600	2600	9
MO 6	06926020	LITTLE GRAVOIS CR AT BAGNELL	24.1	B	8- 2-44	31000	1290		8
MO 7	06931500	LITTLE BEAVER CR NR ROLLA	6.41	A	7-17-58	7420	1160	342	8
MO 8	07011500	GREEN ACRE BRANCH NR ROLLA	.62	C	6- 9-50	1900	3060	34	8
MO 9	07019790	PLATTIN CR AT PLATTIN	65.8	C	6- -64	36800	559		8
MO10	07053500	WHITE R NR BRANSON	4022	B	4-16-45	203000	50		8
MO11	07062500	BLACK R AT LEEPER	957	B	3- -04	125000	131		8
MO12	07187000	SHOAL CR AB JOPLIN	427	B	5-18-43	62100	145	36700	8
MO13	07189000	ELK R NR TIFF CITY	872	B	4-19-41	137000	157	68600	8
MO14	MISC. 1	FISHING R NR KEARNEY	39.4	D	6-22-47	30000	761		9
MO15	MISC. 2	CLEAR CR TRIB NEAR HOLT	6.52	D	6-22-47	14000	2150		9
MO16	MISC. 3	NEMO BR AT NEMO	.52	D	5-30-56	1950	3750		8
MO17	MISC. 4	BONEY DRAW AT ROCKPORT	.76	D	7-18-65	5080	6680		9

MONTANA

MT 1	05020500	ST. MARY R AT INT BDY	469	A	6- 5-08	40000	85		13
MT 2	06043500	GALLATIN R NR GALLATIN GATEWAY	825	A	6-17-74	9690	12	8970	13
MT 3	06073000	DEARBORN R NR CLEMONS	123	B	6- 9-64	17400	141		13
MT 4	06073500	DEARBORN R NR CRAIG	325	C	6- 9-64	15400	47	12500	13
MT 5	06077500	SMITH R NR EDEN	1594	A	6- 4-53	12300	8		13
MT 6	06078500	NF SUN R NR AUGUSTA	258	C	6- 8-64	51100	198	20000	13
MT 7	06089000	SUN R NR VAUGHN	1854	B	6- 9-64	53500	29	37000	13
MT 8	06090500	BELT CR NR MONARCH	368	A	6- 4-53	11000	30	9930	11
MT 9	06092000	TWO MEDICINE CR NR BROWNING	317	B	6- 8-64	100000	315	30000	11
MT10	06092500	BADGER CR NR BROWNING	133	C	6- 8-64	49700	374	16300	11

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	MONTANA--CONTINUED							
MT11	06098000 DUPUYER CR NR VALIER	137	B	6- 8-64	21600	158		11
MT12	06099000 CUT BANK CR AT CUT BANK	1065	B	6- 9-64	16600	16	11200	11
MT13	06102500 TETON R NR FARMINGTON	105	C	6- 8-64	54600	520		11
MT14	06108000 TETON R NR DUTTON	1307	C	6- 9-64	71300	55	20000	11
MT15	06109800 SF JUDITH R NR UTICA	58.7	B	5-30-67	1340	23	925	11
MT16	06120500 MUSSELSHELL R AT HARLOWTON	1125	A	6-24-38	4530	4		11
MT17	06129000 BOX ELDER CR NR WINNETT	684	C	6-16-62	9910	14		11
MT18	06131000 BIG DRY DR NR VAN NORMAN	2554	B	3-21-47	24600	10		11
MT19	06132200 SF MILK R NR BABB	68.6	C	6- 8-64	12000	175	4940	13
MT20	06134500 MILK R AT MILK RIVER, ALTA.	1036	A	5-22-27	8730	8		11
MT21	06164000 FRENCHMAN R AT INT BDY	2299	A	4-15-52	22700	10		11
MT22	06170000 MCEACHERN CR AT INT BDY	182	B	4-15-52	7080	39	3960	11
MT23	06177500 REDWATER CR AT CIRCLE	547	B	7-14-57	6730	12		11
MT24	06181000 POPLAR R NR POPLAR	3174	B	7-10-46	40000	13		11
MT25	06182500 BIG MUDDY CR AT DALEVIEW	279	C	4- 7-52	6360	23		11
MT26	06191500 YELLOWSTONE R AT CORWIN SPRINGS	2623	A	6-15-18	32000	12		13
MT27	06193500 SHIELDS R AT CLYDE PARK	543	B	6- 5-48	4500	8		13
MT28	06197500 BOULDER R NR CONTACT	226	A	6-18-74	6130	27	5080	13
MT29	06208500 CLARKS FORK YELLOWSTONE R AT EDGAR	2032	B	6- 2-36	10900	5		13
MT30	06217700 CROOKED CR TRIB NR SHEPHERD	7.21	C	6-11-67	1980	275		11
MT31	06289000 LITTLE BIGHORN R AT STATE LINE	193	B	6- 3-44	2730	14		11
MT32	06336500 BEAVER CR AT WIBAUX	351	B	6- 7-29	30000	85		11
MT33	12302500 GRANITE CR NR LIBBY	23.6	B	4-18-38	1960	83		13
MT34	12304500 YAAK R NR TROY	766	C	5- -54	13400	17		13
MT35	12340000 BLACKFOOT R NR BONNER	2290	B	6-10-64	19200	8	18000	13
MT36	12342500 WF BITTERROOT R NR CONNER	317	B	5- 9-47	4060	13		13
MT37	12349500 FRED BURR CR NR VICTOR	18.4	B	5- -48	23000	1250		13
MT38	12363000 FLATHEAD R AT COLUMBIA FALLS	4464	A	6-1894	142000	32		13
MT39	12370000 SWAN R NR BIGFORK	671	B	6-20-74	8890	13	8800	13
MT40	MISC. 1 TWO MEDICINE CR NR EAST GLACIER	51.1	D	6- 8-64	63500	1240		13

NEBRASKA

NE 1	06466500	BAZILE CR NR NIOBRARA	440	C	6-16-57	68600	156	12300	12
NE 2	06608000	TEKAMAH CR AT TEKAMAH	23.0	C	6- 5-63	6180	269	1340	6
NE 3	06609000	NEW YORK CR AT HERMAN	25.4	C	7-15-50	5500	217	819	6
NE 4	06762500	LODGEPOLE CR AT BUSHNELL	1361	B	9-15-50	16500	12	1170	12
NE 5	06768500	BUFFALO CR NR DARR	63	C	6-22-47	9000	143	4940	12
NE 6	06771000	WOOD R NR RIVERDALE	379	C	6-22-47	20000	53	13500	12
NE 7	06795000	SHELL CR AT NEWMAN GROVE	122	C	8-12-66	14500	119	1380	12
NE 8	06803000	SALT CR AT ROCA	174	C	5- 8-50	[1]67000	385		6
NE 9	06803900	NF WAHOO CR AT WESTON	43.7	C	6- 4-63	81400	1860		6
NE10	06804000	WAHOO CR AT ITHACA	271	C	6-24-63	77400	286	22100	6
NE11	06806500	WEEPING WATER CR AT UNION	241	C	5- 9-50	60300	250	16900	6
NE12	06810500	LITTLE NEMAHA R NR SYRACUSE	212	C	5- 9-50	225000	1060		6
NE13	06811500	LITTLE NEMAHA R AT AUBURN	793	C	5- 9-50	164000	207	44900	6
NE14	06828500	REPUBLICAN R AT STRATTON	[3]8450	B	5-31-35	200000	24		12
NE15	06837500	RED WILLOW CR NR MCCOOK	[3] 740	B	6- 1-35	45000	61		12
NE16	MISC. 1	WF BIG BLUE R TRIB NR YORK	6.9	D	7- 9-50	23000	3330		12

NEVADA

NV 1	10309000	EF CARSON R NR GARDNERVILLE	341	B	12-23-55	17600	52	12200	16
NV 2	10311000	CARSON R NR CARSON CITY	876	B	12-24-55	30000	34	20400	16
NV 3	10328000	POLE CR NR GOLCONDA	10.7	C	8- 5-61	4000	374	500	16
NV 4	10329500	MARTIN CR NR PARADISE VALLEY	172	B	1-21-43	9000	52	2500	16
NV 5	10348000	TRUCKEE R AT RENO	1067	B	12-23-55	[2]20800	19	16200	16
NV 6	MISC. 1	LAHONTAN TRIB NR SILVER SPRINGS	.22	D	7-20-71	1680	7640		16
NV 7	MISC. 2	EL DORADO CANYON	21.8	D	9-14-74	76000	3490		16

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	NEW HAMPSHIRE							
NH 1	01064500 SACO R NR CONWAY	386	B	3-27-53	43900	114	33700	1
NH 2	01075000 PEMIGEWASSET R AT WOODSTOCK	193	B	10-24-59	47000	244	16900	1
NH 3	01076000 BAKER R NR RUMNEY	143	B	11- 3-27	25900	181		1
NH 4	01076500 PEMIGEWASSET R AT PLYMOUTH	622	A	3-19-36	65400	105	57000	1
NH 5	01081500 MERRIMACK R AT FRANKLIN JUNCTION	1507	A	3-19-36	83000	55	73700	1
NH 6	01088000 CONTOOCOOK R AT PENACOOK	766	B	3-20-36	46800	61	43100	1
NH 7	01092000 MERRIMACK R BE MANCHESTER	3092	B	3-20-36	150000	49		1
NH 8	01131500 CONNECTICUT R NR DALTON	1514	B	3-20-36	48300	32	46500	1
NH 9	01137500 AMMONOOSUC R AT BETHLEHEM JUNCTION	87.6	B	10-24-59	10800	123	4730	1
NH10	01161000 ASHUELOT R AT HINSDALE	420	A	3-19-36	16600	40	16500	1
	NEW JERSEY							
NJ 1	01396900 CAKEPOULIN CR AT LANSDOWNE	13.7	D	8-18-55	7230	528		2
NJ 2	01400500 RARITAN R AT MANVILLE	490	A	9-22-38	36100	74	21600	2
NJ 3	01411500 MAURICE R AT NORMA	113	B	9- 2-40	7360	65	5260	2
NJ 4	01438500 DELAWARE R AT MONTAGUE	3480	B	8-19-55	250000	72	187000	4
NJ 5	01457500 DELAWARE R AT RIEGELSVILLE	6328	A	8-19-55	340000	54	221000	4
NJ 6	01463500 DELAWARE R AT TRENTON	6780	B	8-20-55	329000	49	329000	4
NJ 7	01475000 MANTUA CR AT PITMAN	6.75	B	9- 1-40	4200	622		4
NJ 8	01482500 SALEM R AT WOODSTOWN	14.6	B	9- 1-40	22000	1510		4
	NEW MEXICO							
NM 1	07153500 DRY CIMARRON R NR GUY	545	B	8-21-65	46100	85	4310	12
NM 2	07199000 CANADIAN R NR HEBRON	229	C	6-17-65	62400	272	7800	12
NM 3	07222300 TREMENTINA CR AT TREMENTINA	65	C	9-11-65	14100	217		12
NM 4	07222500 CONCHAS R AT VARIADERO	523	B	9- 1-42	44000	84	14600	12
NM 5	08252500 COSTILLA CR AB COSTILLA DAM	25.1	A	7-22-54	3870	154	300	13

NEW MEXICO--CONTINUED

NM 6	08284500	WILLOW CR NR PARK VIEW	193	B	4-23-42	4500	23	1580	13
NM 7	08316700	ARROYO DE LOS FRIJOLES NR SANTA FE	2.92	C	8-24-57	5340	1830		16
NM 8	08318000	GALISTEO CR AT DOMINGO	640	B	8-20-35	24300	38		13
NM 9	08330500	TIJERAS ARROYO AT ALBUQUERQUE	75.3	C	6-24-67	6500	86		16
NM10	08348500	ENCINAL CR NR CASA BLANCA	6.19	C	9- 9-67	4330	700		14
NM11	08363200	ALEMAN DRAW AT ALEMAN	25.4	C	8- 7-67	16400	646		16
NM12	08381000	GALLINAS CR AT MONTEZUMA	87	A	9-30-04	11600	133		13
NM13	08401900	ROCKY ARROYO AT HWY BR, NR CARLSBAD	285	C	10- 7-54	63600	223		12
NM14	08405500	BLACK R AB MALAGA	343	A	8-23-66	74600	217	12000	12
NM15	08408500	DELAWARE R NR RED BLUFF	689	B	10- 2-55	81400	118	22000	12
NM16	08477600	SAN VICENTE ARROYO AT SILVER CITY	26.5	A	7-21-95	10000	377		16
NM17	08481000	THREE RIVERS AT THREE RIVERS	96.0	C	8- 5-67	15000	156		16
NM18	09364500	ANIMAS R AT FARMINGTON	1360	A	6-29-27	25000	18		14
NM19	09365000	SAN JUAN R AT FARMINGTON	7240	A	6-29-27	68000	9		14
NM20	09367860	CHUSCA WASH NR MEXICAN SPRINGS	8.7	C	9-15-67	6400	736		14
NM21	09431500	GILA R NR REDROCK	2829	A	9-29-41	40000	14	24000	16
NM22	09444000	SAN FRANCISCO R NR GLENWOOD	1653	A	10-14-16	90000	54		16
NM23	MISC. 1	KINGS CANYON CR NR LAS PALOMAS	40	D	7-12-50	29000	725		16
NM24	MISC. 2	EL RANCHO ARROYO NR POJOAQUE	6.7	D	8-22-52	44000	6570		16
NM25	MISC. 3	CASS DRAW NR CARLSBAD	9.3	D	5-30-65	32500	3490		12

NEW YORK

NY 1	01334500	HOOSIC R NR EAGLE BRIDGE	510	A	12-31-48	55400	109	39000	4
NY 2	01350000	SCOHARIE CR AT PRATTSVILLE	236	A	10-16-55	55200	234	26200	4
NY 3	01362500	ESOPUS CR AT COLDBROOK	192	A	3-30-51	59600	310	15800	4
NY 4	01420500	BEAVER KILL AT COOKS FALLS	241	A	3-31-51	31600	131	13300	4
NY 5	01421000	EBR DELAWARE R AT FISHS EDDY	783	A	10- 9-03	70000	89		4

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	NEW YORK--CONTINUED							
NY 6	01434000 DELAWARE R AT PORT JERVIS	3076	A	8-19-55	233000	76	163000	4
NY 7	01435000 NEVERSINK R NR CLARYVILLE	65.6	C	11-25-50	23400	357		4
NY 8	01511500 TIOUGHNIOGA R AT ITASCA	730	B	7- 8-35	61100	84	30100	4
NY 9	01512500 CHENANGO R NR CHENANGO FORKS	1483	A	7- 8-35	96000	65	55400	4
NY10	01520500 TIOGA R AT LINDLEY	771	B	6-23-72	128000	166	63000	4
NY11	01522500 KARR VALLEY CR AT ALMOND	27.6	B	6-23-72	10900	395		4
NY12	01523500 CANACADEA CR NR HORNELL	57.9	B	7- 8-35	21000	363		4
NY13	01531000 CHEMUNG R AT CHEMUNG	2506	A	6-23-72	189000	75	159000	4
NY14	03011000 GREAT VALLEY CR NR SALAMANCA	137	C	9-28-67	28600	209	8500	4
NY15	04221500 GENESEE R AT SCIO	308	A	6-23-72	41000	133	26000	4
NY16	04275000 EBR AUSABLE R AT AU SABLE FORKS	198	B	9-22-38	20100	102	7830	4
NY17	MISC. 1 TAUGHANNOCK CR NR HALSEYVILLE	56.7	D	7- -35	42100	743		4
NY18	MISC. 2 GLEN CR AT WATKINS GLEN	21.3	D	7- -35	27900	1310		4
	NORTH CAROLINA							
NC 1	02082000 TAR R NR NASHVILLE	701	A	7- -19	23000	33		2
NC 2	02086720 ELLERBE CR AT DURHAM	2.86	C	8-27-67	3350	1170		5
NC 3	02097500 MORGAN CR NR CHAPEL HILL	29.0	C	8- 4-24	30000	1030		5
NC 4	02099000 EF DEEP R NR HIGH POINT	14.7	B	9-24-47	6300	429	1670	5
NC 5	02111000 YADKIN R AT PATTERSON	29.0	B	8-13-40	16200	559	2130	5
NC 6	02111180 ELK CR AT ELKVILLE	50.9	B	8-13-40	70000	1380		5
NC 7	02112000 YADKIN R AT WILKESBORO	493	A	8-14-40	160000	325	66900	5
NC 8	02129000 PEE DEE R NR ROCKINGHAM	6870	A	8-27-08	276000	40		5
NC 9	02138000 CATAWBA CR NR MARION	171	B	8-13-40	71400	418		5
NC10	02138500 LINVILLE R AT BRANCH	67.2	A	8-13-40	39500	588	14000	5
NC11	02146500 LITTLE SUGAR CR NR CHARLOTTE	41.0	B	6-15-73	8440	206	1340	2
NC12	03479000 WATAUGA R NR SUGAR GROVE	90.8	B	8-13-40	50800	559	15900	5
NC13	MISC. 1 POPLAR CR NR WENDELL	5.4	D	6-18-67	5750	1060		2

		NORTH CAROLINA--CONTINUED							
NC14	MISC. 2	BIG CREEK NR WAYNESVILLE	1.32	D	8-30-40	13000	9850		5
NC15	MISC. 3	NF CATAWBA R NR ASHEFORD	4.48	D	8-13-40	15000	3350		5
NC16	MISC. 4	WILSON CR NR ADAKO	65.0	D	8-13-40	99000	1520		5
		NORTH DAKOTA							
ND 1	05054000	RED R OF THE NORTH AT FARGO	6800	A	4-15-69	25300	4	24800	11
ND 2	05101000	TONGUE R AT AKRA	160	A	4-18-50	11800	74		11
ND 3	05114000	SOURIS R NR SHERWOOD	8940	B	4-11-69	12400	1	11000	11
ND 4	06335000	LITTLE BEAVER CR NR MARMARTH	587	B	4- 6-52	12700	22	9090	11
ND 5	06337000	LITTLE MISSOURI R NR WATFORD CITY	8310	B	3-25-47	110000	13	55000	11
ND 6	06340500	KNIFE R AT HAZEN	2240	B	6-24-66	35300	16	9250	11
ND 7	06345500	HEART R NR RICHARDTON	1240	B	4-16-50	23400	19	17000	11
ND 8	06351000	CANNONBALL R BE BENTLEY	1140	A	4-17-50	51800	45	37000	11
ND 9	06352000	CEDAR CR NR HAYNES	553	C	4-17-50	26900	49		11
ND10	06354000	CANNONBALL R AT BREIEN	4100	B	4-19-50	94800	23	63100	11
ND11	06469500	PIPESTEM CR NR BUCHANAN	[3] 758	C	4-10-69	6080	8	4620	11
ND12	06470000	JAMES R AT JAMESTOWN	[3]2820	B	5-13-50	6390	2	6170	11
ND13	MISC. 1	NORWEGIAN CR NR BELFIELD	33.8	D	6-26-55	5860	173		11
ND14	MISC. 2	MF CROOKED CR NR KARINEN	3.9	D	7-28-51	5700	1460		11
		OHIO							
OH 1	03116200	CHIPPEWA CR AT EASTON	146	C	7- 5-69	12500	86	7520	6
OH 2	03129000	TUSCARAWAS R AT NEWCOMERSTOWN	2443	B	3- -13	83000	34		4
OH 3	03130000	BLACK FORK NR MIFFLIN	217	A	3- -13	11700	54		6
OH 4	03137000	KOKOSING R AT MILLWOOD	455	A	1-21-59	75900	167	30600	4
OH 5	03140500	MUSKINGUM R NR COSHOCTON	4859	A	3- -13	202000	42		4

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	OHIO--CONTINUED							
OH 6	03156000 HUNTERS RUN AT LANCASTER	10.0	C	7- -48	11200	1120		4
OH 7	03159500 HOCKING R AT ATHENS	943	A	3- -07	50000	53		4
OH 8	03224500 WHETSTONE CR NR ASHLEY	98.7	C	1-21-59	19100	194	9280	6
OH 9	03263000 GREAT MIAMI R AT TAYLORSVILLE	1149	A	3- -13	127000	111		6
OH10	03266000 STILLWATER R AT ENGLEWOOD	650	A	3- -13	85400	131		6
OH11	03270000 MAD R NR DAYTON	635	A	3-25-13	75700	119		6
OH12	03270500 GREAT MIAMI R AT DAYTON	2511	A	3-26-13	250000	100		6
OH13	03272000 TWIN CR NR GERMANTOWN	275	B	3-25-13	66000	240		6
OH14	03274000 GREAT MIAMI R AT HAMILTON	3630	A	3-26-13	352000	97		6
OH15	04199000 HURON R AT MILAN	371	C	7- 5-69	40000	108		6
OH16	04200500 BLACK R AT ELYRIA	396	B	7- 6-69	51700	131	19200	6
OH17	MISC. 1 EF HONEY CR NR NEW CARLISLE	6.7	D	7- -18	14800	2210		6
	OKLAHOMA							
OK 1	07160500 SKELETON CR NR LOVELL	410	C	5-16-57	75200	183	39200	9
OK 2	07163000 COUNCIL CR NR STILLWATER	31	B	10- 2-59	25000	806	11000	9
OK 3	07172000 CANEY R NR ELGIN	445	B	9-13-61	62000	139	37000	9
OK 4	07175000 DOUBLE CR TRIB NO 5 NR RAMONA	2.39	C	6-23-57	3580	1500		9
OK 5	07185000 NEOSHO R NR COMMERCE	5876	B	7-15-51	267000	45	251000	9
OK 6	07188000 SPRING R NR QUAPAW	2510	B	5-19-43	190000	76	169000	8
OK 7	07189000 ELK R NR TIFF CITY	872	B	4-19-41	137000	157	68000	9
OK 8	07196500 ILLINOIS R NR TAHLEQUAH	959	B	5-10-50	150000	156	90400	8
OK 9	07245500 SALLISAW CR NR SALLISAW	182	B	4-15-45	110000	604	27000	8
OK10	07250000 LEE CR NR VAN BUREN, ARK.	426	C	4-15-45	112000	263		8
OK11	07333500 CHICKASAW CR NR STRINGTOWN	32.7	C	10-14-62	18800	575	2630	9
OK12	07339000 MOUNTAIN FORK NR EAGLETOWN	787	B	5-20-60	101000	128	49200	8
OK13	MISC. 1 RANCH CR NR HALLEY	17.1	D	9- 4-40	32400	1890		9
OK14	MISC. 2 EF BIG CR NR BOWLEGS	.89	D	4-14-45	3000	3370		9

OREGON

OR 1	10371500	DEEP CR AB ADEL	249	B	12-23-64	9420	38	6000	16
OR 2	10378500	HONEY CR NR PLUSH	170	B	12-23-64	11000	65	3500	16
OR 3	11501000	SPRAGUE R NR CHILOQUIN	1580	B	2-26-64	14900	9	14500	16
OR 4	13181000	OWYHEE R NR ROME	8000	C	12-24-64	33500	4	25000	15
OR 5	13214000	MALHEUR R NR DREWSEY	910	B	12-23-64	12000	13	6910	15
OR 6	13226500	BULLY CR AT WARMSPRINGS, NR VALE	539	C	12-22-64	12800	24	3890	15
OR 7	13292000	IMNAHA R AT IMNAHA	622	B	1-17-74	10100	16	5680	15
OR 8	13319000	GRANDE RONDE R AT LA GRANDE	678	A	1-30-65	14100	21	12200	15
OR 9	13331500	MINAM R AT MINAM	240	A	6-16-74	6260	26	5160	15
OR10	13333000	GRANDE RONDE R AT TROY	3275	C	12-23-64	42200	13	35700	15
OR11	14021000	UMATILLA R AT PENDLETON	637	A	12-14-82	17000	27		15
OR12	14022500	MCKAY CR NR PILOT ROCK	180	B	1-30-65	7400	41	5180	15
OR13	14034500	WILLOW CR AT HEPPNER	87	A	6-14-03	36000	414		15
OR14	14048000	JOHN DAY R AT MCDONALD FERRY	7580	A	12-24-64	42800	6	39400	15
OR15	14078000	BEAVER CR NR PAULINA	450	B	12-22-64	12800	28	3320	15
OR16	14113200	MOSIER CR NR MOSIER	41.5	C	12-23-64	4790	115	1800	17
OR17	14120000	HOOD R AT TUCKER BRIDGE NR HOOD R	279	C	12-22-64	33200	119		17
OR18	14137000	SANDY R NR MARMOT	262	A	12-22-64	61400	234	41400	17
OR19	14140000	BULL RUN R NR BULL RUN	107	A	12-22-64	24800	232	18100	17
OR20	14157500	COAST F WILLAMETTE R NR GOSHEN	642	A	11-22-09	58500	91	30500	17
OR21	14158790	SMITH R NR BELKNAP SPRINGS	16.2	C	12-22-64	5160	319	2590	17
OR22	14162500	MCKENZIE R NR VIDA	930	B	12-28-45	64400	69	47900	17
OR23	14173500	CALAPOOIA R AT ALBANY	372	B	12-22-55	32700	88	26400	17
OR24	14185900	QUARTZVILLE CR NR CASCADIA	99.2	C	12-22-64	36500	368		17
OR25	14189000	SANTIAM R AT JEFFERSON	1790	B	11-21-21	202000	113		17
OR26	14191000	WILLAMETTE R AT SALEM	7280	A	12-1861	500000	69		17
OR27	14211000	CLACKAMAS R NR CLACKAMAS	936	C	12-22-64	120000	128	80000	17
OR28	14302500	TRASK R NR TILLAMOOK	145	B	11-20-21	30000	207		17
OR29	14305500	SILETZ R AT SILETZ	202	A	11-20-21	40800	202		17

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	OREGON--CONTINUED							
OR30	14321000 UMPQUA R NR ELKTON	3683	A	12-23-64	265000	72	260000	17
OR31	14322000 ELK CR NR DRAIN	104	C	2-10-61	15000	144	11200	17
OR32	14323100 SMITH R NR GARDINER	206	C	2-10-61	[1]42000	204		17
OR33	14325000 SF COQUILLE R AT POWERS	169	B	12-22-64	48900	289	34900	17
OR34	14361500 ROQUE R AT GRANTS PASS	2459	B	12-23-64	[1]152000	62	124000	17
OR35	14366000 APPLEGATE R NR APPLEGATE	483	B	12-22-64	45700	95	30600	17
OR36	14371500 GRAVE CR AT PEASE BRIDGE, NR PLACER	22.1	B	12-22-64	6240	282	4020	17
OR37	14375500 WF ILLINOIS R NR O'BRIEN	42.4	B	12-22-64	16100	380	13200	17
OR38	14378000 ILLINOIS R NR SELMA	665	C	12-22-64	160000	241	125000	17
OR39	MISC. 1 BUTTER CR TRIB NR ECHO	1.4	D	6- 9-48	5220	3730		15
OR40	MISC. 2 MEYERS CANYON NR MITCHELL	12.7	D	7-13-56	54500	4290		15
OR41	MISC. 3 LANE CANYON NR ECHO	5.04	D	7-26-65	28500	5650		15
	PENNSYLVANIA							
PA 1	01431500 LACKAWAXEN R AT HAWLEY	290	B	8-19-55	51900	179	26800	4
PA 2	01442500 BRODHEAD CR AT MINISINK HILLS	259	C	8-19-55	68800	266	30500	4
PA 3	01472174 PICKERING CR NR CHESTER SPRINGS	5.98	C	6-22-72	2410	403	450	4
PA 4	01447500 LEHIGH R AT STODDARTSVILLE	91.7	B	8-19-55	31900	348	18900	4
PA 5	01481000 BRANDYWINE CR AT CHADDS FORD	287	A	6-22-72	23800	83	9260	4
PA 6	01536500 SUSQUEHANNA R AT WILKES-BARRE	9960	A	6-24-72	345000	35	329000	4
PA 7	01544000 FIRST F SINNEMAHONING CR	245	B	7-18-42	80000	327		4
PA 8	01545500 WBR SUSQUEHANNA R AT RENOVO	2975	A	3-18-36	236000	79	201000	4
PA 9	01567000 JUNIATA R AT NEWPORT	3354	A	6- 1-89	209000	62		4
PA10	01567500 BIXLER RUN NR LOYSVILLE	15.0	C	11- 1-56	8780	585	799	4

PENNSYLVANIA--CONTINUED

PA11	01573000	SWATARA CR AT HARPER TAVERN	337	A	6- 1-89	88000	261		4
PA12	03047500	KISKIMINETAS R AT AVONMORE	1723	B	3-18-36	185000	107	135000	4
PA13	03048500	KISKIMINETAS R AT VANDERGRIFT	1825	B	3-18-36	185000	101		4
PA14	MISC. 1	BRODHEAD CR AT ANALOMINK	124	D	8-18-55	72200	582		4
PA15	MISC. 2	LILLIBRIDGE CR NR PORT ALLEGANY	6.73	D	7-18-42	16000	2380		4
PA16	MISC. 3	ALLEGHENY R AT PORT ALLEGANY	249	D	7-18-42	77000	309		4
PA17	MISC. 4	WALLENPAUPACK CR AT SOUTH STERLING	14.3	D	8-19-55	22200	1550		4
PA18	MISC. 5	FREEMAN RUN AB AUSTIN	14.6	D	7-18-42	19000	1300		4
PA19	MISC. 6	CASTILE RUN AT RIGGLE FARM	4.25	D	6-45-41	10000	2350		4
PA20	MISC. 7	ANNIN CR NR TURTLEPOINT	11.4	D	7-18-42	24000	2110		4
PA21	MISC. 8	MILL CR AT ERIE	12.9	D	8- 3-15	13000	1010		4

RHODE ISLAND

RI 1	01106000	ADAMSVILLE BROOK AT ADAMSVILLE	7.91	B	12-27-69	316	40	279	2
RI 2	01111500	BRANCH R AT FORESTDALE	91.2	A	3-19-36	5800	64		2
RI 3	01112500	BLACKSTONE R AT WOONSOCKET	416	B	8-19-55	32900	79	25900	2
RI 4	01114500	WOONASQUATUCKET R AT CENTERDALE	38.3	B	3-18-68	1440	38	1250	2
RI 5	01116000	SBR PAWTUXET R AT WASHINGTON	63.8	B	3-18-68	1860	29	1650	2
RI 6	01118500	PAWCATUCK R AT WESTERLY	295	B	11- -27	7000	24		2

SOUTH CAROLINA

SC 1	02131000	PEE DEE R AT PEEDEE	8830	B	9-22-45	220000	25	217000	5
SC 2	02131500	LYNCHES R NR BISHOPVILLE	675	B	9-19-45	29400	44	27300	2
SC 3	02136000	BLACK R AT KINGSTREE	1260	B	6-14-73	58000	46	52800	2
SC 4	02146000	CATABA R NR ROCK HILL	3050	B	5-23-01	151000	50		5
SC 5	02147500	ROCKY CR AT GREAT FALLS	194	C	8-23-67	31300	161	21100	5

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	SOUTH CAROLINA--CONTINUED							
SC 6	02148000 WATEREE R NR CAMDEN	5070	C	8-18-16	400000	79		5
SC 7	02153500 BROAD R NR GAFFNEY	1490	B	8-14-40	119000	80	80600	5
SC 8	02156000 PACOLET R NR CLIFTON	320	B	8-14-40	26800	84	18200	5
SC 9	02156500 BROAD R NR CARLISLE	2790	B	8-15-40	103000	37	85500	5
SC10	02160500 ENOREE R NR ENOREE	307	B	10- 2-29	30000	98	18300	5
SC11	02161500 BROAD R AT RICHTEX	4850	B	10- 3-29	228000	47	211000	5
SC12	02167500 SALUDA R NR SILVERSTREET	1620	B	10- 3-29	83800	52	75000	5
SC13	02169500 CONGAREE R AT COLUMBIA	7850	A	8-27-08	364000	46		5
SC14	02173000 SF EDISTO R NR DENMARK	720	A	10- -29	17100	24		2
SC15	02174000 EDISTO R NR BRANCHVILLE	1720	A	10- -28	25700	15		2
SC16	02177000 CHATTOOGA R NR CLAYTON	207	B	7-30-40	29000	140	13900	5
SC17	02184500 WHITEWATER R AT JOCASSEE	47.3	C	10- 4-64	6900	146	3140	5
SC18	02185000 KEOWEE R NR JOCASSEE	148	C	10- 4-64	21000	142	10600	5
SC19	02187000 SENECA R NR ANDERSON	1026	B	8-18-28	81100	79		5
SC20	02189000 SAVANNAH R NR CALHOUN FALLS	2876	B	8-25-08	114000	40		5
SC21	02192500 LITTLE R NR MOUNT CARMEL	217	B	8-14-40	20800	96	15200	5
SC22	02195500 SAVANNAH R AT WOODLAWN	6370	A	8-26-08	304000	48	272000	5
SC23	02196000 STEVENS CR NR MODOC	545	B	8-14-40	35100	64	31700	2
	SOUTH DAKOTA							
SD 1	05290000 LITTLE MINNESOTA R NR PEEVER	447	B	4- 8-52	4730	11	4400	11
SD 2	06355500 NF GRAND R NR WHITE BUTTE	1190	C	4-16-50	30900	26	22800	11
SD 3	06357500 GRAND R AT SHADEHILL	3120	B	4-16-50	58000	19	42500	11
SD 4	06358000 GRAND R NR WAKPALA	5510	B	4-18-50	82200	15	55700	11
SD 5	06400500 CHEYENNE R NR HOT SPRINGS	8710	B	5-12-20	114000	13	92000	11
SD 6	06402000 FALL R AT HOT SPRINGS	137	B	9- 4-38	13100	96	670	11
SD 7	06431500 SPEARFISH CR AT SPEARFISH	168	A	6- 5-04	5000	30		11
SD 8	06481500 SKUNK CR AT SIOUX FALLS	520	C	6-17-57	29400	57	11500	11

SOUTH DAKOTA--CONTINUED

SD 9	MISC. 1	BIG SIOUX TRIB NR DELL RAPIDS	.68	D	6-16-57	948	1390		11
SD10	MISC. 2	BOXELDER CR NR RAPID CITY	117	D	6-10-72	51600	441		11
SD11	MISC. 3	CAMEL CR NR LADNER	5.2	D	7-28-51	7500	1440		11
SD12	MISC. 4	CASTLE CR TRIB NR ROCHFORD	2.2	D	7-28-55	5620	2550		11
SD13	MISC. 5	CLEGHORN CANYON AT RAPID CITY	7.0	D	6- 9-72	12600	1800		11
SD14	MISC. 6	IRON CR NR ROCHFORD	1.25	D	7-28-55	2410	1930		11
SD15	MISC. 7	CASTLE CR NR ROCHFORD	32.6	D	7-28-55	8500	261		11

TENNESSEE

TN 1	03408000	NEW R NR NEW RIVER	314	C	3-23-29	70000	223		5
TN 2	03419000	BEE CR AT HERBERT	101	C	3-23-29	42000	416		5
TN 3	03421200	CHARLES CR NR MCMINNVILLE	31.1	C	6-13-52	23100	743		5
TN 4	03422500	CANEY FORK NR ROCK ISLAND	1678	A	3-23-29	210000	125	154000	5
TN 5	03428000	WF STONES R NR MURFREESBORO	128	A	3- -02	50000	391		7
TN 6	03483000	WATAUGA R AT BUTLER	427	A	8-13-40	71500	167	18500	5
TN 7	03485500	DOE R AT ELIZABETHTON	137	A	5-21-01	25000	182		5
TN 8	03497000	TENNESSEE R AT KNOXVILLE	8934	A	3-1867	290000	32		5
TN 9	03540500	EMORY R AT OAKDALE	764	A	3-23-29	195000	255		5
TN10	03561000	NORTH POTATO CR NR DUCKTOWN	13.0	B	4- 6-36	7080	545	484	5
TN11	03584000	RICHLAND CR NR PULASKI	366	A	3-29-02	100000	273		7
TN12	03584500	ELK R NR PROSPECT	1784	A	3- -02	130000	73		7
TN13	03588500	SHOAL CR AT IRON CITY	348	B	3-21-55	[1]132000	379	40200	7
TN14	03596000	DUCK CR BE MANCHESTER	107	B	3- -29	50000	467		7
TN15	03604000	BUFFALO R NR FLAT WOODS	447	B	2-13-48	90000	201	62700	7

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	TENNESSEE--CONTINUED							
TN16	03606500 BIG SANDY R AT BRUCETON	205	A	3-1897	25000	122		3
TN17	07026000 OBION R AT OBION	1852	B	1-24-37	99500	54		3
TN18	07029500 HATCHIE R AT BOLIVAR	1480	B	3-18-73	61500	42	59300	3
TN19	07030500 WOLF R AT ROSSVILLE	503	B	1-20-35	40000	80	31000	3
TN20	MISC. 1 CANEY FORK AT BUTTS BRIDGE	375	D	3-23-29	94000	251		5
TN21	MISC. 2 SF CUMBERLAND R NR HELENWOOD	695	D	3-23-29	114000	164		5
TN22	MISC. 3 PINEY R AB SPRING CITY	62.3	D	11-18-57	30800	494		5
TN23	MISC. 4 WHITES CR AT BAKER BRIDGE	35.1	D	11-18-57	22600	644		7
TN24	MISC. 5 EF GLOBE CR AT MCKENZIE SCHOOL	6.6	D	6-18-39	16300	2470		7
TN25	MISC. 6 DUCK R AT PAINT ROCK BRIDGE	3500	D	2- -48	220000	63		7
	TEXAS							
TX 1	07300000 SALT F RED R NR WELLINGTON	[3]1222	C	5-16-57	146000	119	24300	9
TX 2	08020000 SABINE R NR GLADEWATER	2791	A	4- 2-45	138000	49	133000	10
TX 3	08033000 NECHES R NR DIBOLL	2724	A	5-1884	110000	40		10
TX 4	08048500 MARINE CR AT FORT WORTH	17.4	A	4-20-42	24400	1400		10
TX 5	08055700 BACHMAN BRANCH AT DALLAS	10.0	C	4-28-66	16000	1600	1250	10
TX 6	08057100 WHITE ROCK CR AT DALLAS	29.4	C	9-21-64	37900	1290	8860	10
TX 7	08069500 WF SAN JACINTO R NR HUMBLE	1741	A	5-31-29	187000	107	153800	10
TX 8	08088100 SALT CR AT OLNEY	9.6	C	4-29-66	11500	1200	2120	9
TX 9	08094500 GREEN CR NR ALEXANDER	45.5	A	5-23-52	55800	1230		9
TX10	08106500 LITTLE R AT CAMERON	7088	A	9-10-21	647000	91		10
TX11	08120500 DEEP CR NR DUNN	198	C	6-19-39	36400	184		12
TX12	08127000 ELM CR AT BALLINGER	471	B	10-13-57	50000	106	16100	12
TX13	08128000 S CONCHO R AT CHRISTOVAL	[3] 409	A	8- 6-06	115000	281		12
TX14	08131400 PECAN CR NR SAN ANGELO	83.2	C	9-15-36	30500	367		12
TX15	08135000 N CONCHO R AT SAN ANGELO	[3]1507	B	9-17-36	184000	122		12

TEXAS--CONTINUED

TX16	08139500	DEEP CR NR MERCURY	43.9	A	7-23-38	33600	765		12
TX17	08150000	LLANO R NR JUNCTION	1874	A	6-14-35	319000	170	124000	12
TX18	08153500	PEDERNALES R NR JOHNSON CITY	947	A	9-11-52	441000	466	129000	10
TX19	08163500	LAVACA R AT HALLETTSVILLE	108	A	6-30-40	93100	862	33500	10
TX20	08165500	GUADALUPE R AT HUNT	288	A	7- 2-32	206000	715		12
TX21	08166000	JOHNSON CR NR INGRAM	114	A	7- 2-32	138000	1210		12
TX22	08168600	BLIEDERS CR NR NEW BRAUNFELS	15.0	C	5-11-72	48400	3230		10
TX23	08168720	TROUGH CR NR NEW BRAUNFELS	.48	C	5-11-72	2510	5230		10
TX24	08190500	W NUECES R NR BRACKETTVILLE	700	A	6-14-35	550000	786		10
TX25	08192000	NUECES R BELOW UVALDE	1947	B	6-14-35	616000	316		10
TX26	08201500	SECO CR AT MILLER RANCH, NR UTOPIA	43.1	A	6-17-58	52600	1220		10
TX27	08449000	DEVILS R NR JUNO	2733	B	9- 1-32	370000	135		12
TX28	08450500	DEVILS R NR DEL RIO	4305	C	9- 1-32	597000	139		12
TX29	08455000	PINTO CR NR DEL RIO	249	B	6-24-48	186000	747		10
TX30	MISC. 1	MAILTRAIL CR NR LOMA ALTA	75.3	D	6-24-48	170000	2260		10
TX31	MISC. 2	TENAHA CR NR SHELBYVILLE	374	D	7-24-33	117000	313		10
TX32	MISC. 3	SALADO CR NR SALADO	148	D	9-10-21	143000	966		10
TX33	MISC. 4	W NAVIDAD R NR SCHULENBURG	106	D	6-30-40	124000	1170		10
TX34	MISC. 5	CALAVERAS CR NR ELMENDORF	24.6	D	9-27-46	58000	2360		10
TX35	MISC. 6	W NUECES R NR KICKAPOO SPRINGS	402	D	6-14-35	580000	1440		10
TX36	MISC. 7	LAKE CR NR HEADLY	68.5	D	6-15-38	64700	945		12
TX37	MISC. 8	EF JAMES R AT OLD KNOXVILLE	60.8	D	7- 1-32	105000	1730		12
TX38	MISC. 9	SF GUADALUPE R NR HUNT	60.3	D	7- 1-32	84300	1400		12
TX39	MISC. 10	LITTLE RED BLUFF CR AT CARTA VALLEY	10.3	D	6-24-48	30000	2910		12
TX40	MISC. 11	N GRAPE CR NR SANDY	85.7	D	9-10-52	117000	1370		10
TX41	MISC. 12	SECO CR 11 MI AB D'HANIS	142	D	5-31-35	230000	1620		10

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	UTAH							
UT 1	09182500 CASTLE CR NR MOAB	53.1	C	8-13-54	11000	207		14
UT 2	09183000 COURTHOUSE WASH NR MOAB	162	C	8- 5-57	12300	76	1000	14
UT 3	09184000 MILL CR NR MOAB	74.9	B	8-21-53	5110	68	123	14
UT 4	09265300 ASHLEY CR AB RED PINE CR, NR VERNAL	55.8	C	6-10-65	7400	133	1800	13
UT 5	09313500 PRICE R NR HELPER	530	A	9- 8-19	12000	23	1500	14
UT 6	09315500 SALERATUS WASH AT GREEN RIVER	180	C	9-21-62	14200	79	885	14
UT 7	09316000 BROWNS WASH NR GREEN RIVER	75	C	8-19-59	5620	75	429	14
UT 8	09333500 DIRTY DEVIL R NR HANKSVILLE	4170	C	11- 4-57	35000	8	14000	14
UT 9	09334000 N WASH NR HANKSVILLE	136	C	8- 7-52	8900	65	250	14
UT10	09378700 COTTONWOOD WASH NR BLANDING	205	C	8- 1-68	20500	100		14
UT11	09406000 VIRGIN R AT VIRGIN	934	A	12- 6-66	22800	24	9670	16
UT12	10128500 WEBER R NR OAKLEY	163	A	6-13-21	4170	26	3480	16
UT13	10136500 WEBER R AT GATEWAY	1610	A	5-31-96	7980	5		16
UT14	10146800 RIGHT HAND FORK GOVERNMENT CANYON	2.78	C	8- 2-63	1820	655		16
UT15	10242200 DUNCAN CR NR CEDAR CITY	11.9	C	8-19-63	3880	326		16
UT16	MISC. 1 ECHO CLIFF WASH NR ECHO	1.2	D	8-12-61	1080	900		13
UT17	MISC. 2 BEAVER CR TRIB NR COLLINSTON	.48	D	7-30-58	1180	2460		13
UT18	MISC. 4 COALPITS WASH NR ROCKVILLE	20.8	D	9-17-61	8350	401		14
UT19	MISC. 5 MUDDY CR NR MOUNT CARMEL	37	D	8-25-61	8190	221		14
UT20	MISC. 6 HOG CANYON CR NR KANAB	18.5	D	8-12-64	10850	586		14
UT21	MISC. 7 HENRIEVILLE CR NR HENRIEVILLE	34	D	8- 4-61	7360	216		14
UT22	MISC. 8 FARLEY CANYON ON STATE HWY 95	12.5	D	9- 8-61	7500	600		14
UT23	MISC. 9 CAINVILLE WASH NR CAINVILLE	92.7	D	8-12-59	17800	192		14
UT24	MISC.10 SALERATUS WASH NR GREEN RIVER	120	D	9-21-62	19500	163		14
UT25	MISC. 11 YELLOW CR NR CANNONVILLE	12	D	8- 1-63	8850	738		14
UT26	MISC. 12 SOUTH COAL FORK NR MOUNT PLEASANT	1.2	D	9-25-61	3310	2760		16
UT27	MISC. 13 ROCK CANYON NR HATCH	36	D	8- 2-59	5230	145		16
UT28	MISC. 14 MILL CANYON NR GLENWOOD	12	D	9- 5-60	3620	302		16
UT29	MISC. 15 LITTLE VALLEY WASH NR GOLD HILL	.9	D	8-19-59	2570	2860		16

UTAH--CONTINUED

UT30	MISC. 16	PERRYS HOLLOW AT SALT LAKE CITY	.59	D	8-19-45	1800	3050		16
UT31	MISC. 17	PHELPS CANYON NR ALPINE	.41	D	8-25-61	1500	3660		16
UT32	MISC. 18	DRY CANYON NR CEDAR CITY	.90	D	8-17-65	3670	4080		16
UT33	MISC. 19	LIT PINTO CR TRIB NR OLD IRONTOWN	.30	D	8-11-64	2630	8770		16

VERMONT

VT 1	01144000	WHITE R AT WEST HARTFORD	690	A	11- 4-27	120000	174		1
VT 2	01151500	OTTAUQUECHEE R AT NORTH HARTLAND	221	A	11- -27	30400	138		1
VT 3	01155500	WEST R AT JAMAICA	179	C	12-31-48	29500	165	15500	1
VT 4	01156000	WEST R AT NEWFANE	308	A	9-21-38	52300	170	17200	1
VT 5	01156500	CONNECTICUT R AT VERNON	6266	B	3-19-36	176000	28	175000	1
VT 6	04285500	NBR WINOOSKI R AT WRIGHTSVILLE	69.2	B	11- 3-27	17200	249		1
VT 7	04286000	WINOOSKI R AT MONTPELIER	397	A	11- 3-27	57000	144		1
VT 8	04288000	MAD R NR MORETOWN	139	B	11- 3-27	23000	17		1
VT 9	04290500	WINOOSKI R NR ESSEX JUNCTION	1044	B	11- 4-27	113000	108		1
VT10	04291500	LAMOILLE R AT CADYS FALLS	268	A	11- -27	36600	137		1
VT11	04293500	MISSISQUOI R NR RICHFORD	479	A	11- -27	45000	94		1
VT12	MISC. 1	ROCK R AT WILLIAMSVILLE	42.6	D	9-21-38	27200	638		1
VT13	MISC. 2	MBR WILLIAMS R AB CHESTER	27.4	D	9-21-38	12200	445		1
VT14	MISC. 3	WEST R NR SOUTH LONDONDERRY	89.3	D	9-21-38	25200	282		1
VT15	MISC. 4	WHETSTONE BROOK AT EAST JAMAICA	36.2	D	9-21-38	15500	428		1
VT16	MISC. 5	LAMOILLE R AT FAIRFAX FALLS	559	D	11- 4-27	66900	120		1
VT17	MISC. 6	WEST R AT WEST DUMMERSTON	410	D	9-21-38	65000	159		1

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	VIRGINIA							
VA 1	01620500 NORTH R NR STOKESVILLE	17.3	C	6-17-49	11100	642	2800	5
VA 2	01622000 NORTH R NR BURKETOWN	375	A	6-18-49	62600	167	29900	5
VA 3	01631000 SF SHENANDOAH R AT FRONT ROYAL	1638	A	10-16-42	130000	79	114000	5
VA 4	01634000 NF SHENANDOAH R NR STRASBURG	772	A	10-16-42	100000	130	52500	5
VA 5	01652500 FOURMILE RUN AT ALEXANDRIA	14.4	C	7-22-69	14600	1010	500	2
VA 6	01656725 BULL RUN NR CATHARPIN	25.8	C	6-22-72	39400	1530	9500	5
VA 7	01663500 HAZEL R AT RIXEYVILLE	286	B	10-15-42	60000	210	34600	5
VA 8	01664000 RAPPAHANNOCK R AT REMINGTON	616	B	10-16-42	90000	146		5
VA 9	02016500 JAMES R AT LICK RUN	1369	A	11-1887	120000	88		5
VA10	02022500 KERRS CR NR LEXINGTON	34	B	9-10-50	23000	676	3600	5
VA11	02024000 MAURY R NR BUENA VISTA	649	B	8-20-69	105000	162	56000	5
VA12	02026400 TYE R AT MASSIES MILL	66	C	8-20-69	70000	1060		5
VA13	02027000 TYE R NR LOVINGSON	92	B	8-20-69	80000	870	32600	5
VA14	02027500 PINEY R AT PINEY RIVER	48	C	8-20-69	38000	792	25000	5
VA15	02027800 BUFFALO R NR TYE RIVER	146	C	8-20-69	45000	308	22500	5
VA16	02028000 TYE R NR NORWOOD	360	B	8-20-69	200000	556		5
VA17	02028500 ROCKFISH R NR GREENFIELD	96	B	8-20-69	70000	729	28800	5
VA18	02028750 COVE CR AT FABER	19.7	C	8-20-69	28000	1420		5
VA19	02030000 HARDWARE R NR SCOTTSVILLE	116	B	8-20-69	52000	448	28400	5
VA20	02031500 NF MOORMANS R NR WHITEHALL	11.4	B	10-15-42	7620	668		5
VA21	02034000 RIVANNA R AT PALMYRA	675	B	8-20-69	98800	146	57000	5
VA22	02035000 JAMES R AT CARTERSVILLE	6242	A	8-21-69	250000	40	219000	5
VA23	02051500 MEHERRIN R NR LAWRENCEVILLE	553	B	8-17-40	38000	69	35300	2
VA24	02071800 NICHOLAS CR NR FERRUM	12.2	C	6-28-49	11800	967		5
VA25	02079000 ROANOKE R AT CLARKSVILLE	7320	A	8-17-40	280000	38	267000	5
VA26	03164000 NEW R NR GALAX	1131	B	8-14-40	141000	125	86200	5
VA27	03165500 NEW R AT IVANHOE	1340	A	8-14-40	155000	116	87600	5
VA28	03168000 NEW R AT ALLISONIA	2202	B	8-14-40	185000	84	95000	5
VA29	MISC. 1 WHISTLE CR NR LEXINGTON	6.4	D	9-10-50	11500	1800		5

VIRGINIA--CONTINUED

VA30	MISC. 2	NORTH R AT STOKESVILLE	65	D	6-18-49	54000	831		5
VA31	MISC. 3	LITTLE R AT STOKESVILLE	25.0	D	6-17-49	32900	1320		5
VA32	MISC. 4	SKIDMORE FORK NR STOKESVILLE	5.7	D	6-17-49	10200	1790		5

WASHINGTON

WA 1	12040500	QUEETS R NR CLEARWATER	445	B	1-22-35	130400	293		17
WA 2	12056500	NF SKOKOMISH R NR HOODSPORT	57.2	B	11- 5-34	27000	472	15000	17
WA 3	12134500	SKYKOMISH R NR GOLD BAR	535	B	12-21-33	88700	166	49400	17
WA 4	12137500	SULTAN R NR STARTUP	74.5	B	2- 9-51	34600	464	23400	17
WA 5	12141300	MF SNOQUALMIE R NR TANNER	154	C	11-23-59	49000	318		17
WA 6	12150800	SNOHOMISH R NR MONROE	1538	B	12- -21	180000	117		17
WA 7	12161000	SF STILLAGUAMISH R NR GRANITE FALLS	119	B	2-26-32	32400	272	20200	17
WA 8	12177500	STETATTLE CR NR NEWHALEM	22.0	B	11-26-49	8580	390	2370	17
WA 9	12178000	SKAGIT R AT NEWHALEM	1175	A	1815	115000	98		17
WA10	12182500	CASCADE R AT MARBLEMOUNT	168	A	1815	46000	274		17
WA11	12187500	SAUK R AT DARRINGTON	293	A	1815	48000	164		17
WA12	12191500	BAKER R NR CONCRETE	211	A	1815	50000	237		17
WA13	12194000	SKAGIT R NR CONCRETE	2737	A	1815	500000	183		17
WA14	12398900	SALMO R NR SALMO, B.C.	450	C	6-2-68	16300	36	11770	13
WA15	12401500	KETTLE R NR FERRY	2220	B	5-29-48	21200	10	20300	13
WA16	12419500	SPOKANE R NR OTIS ORCHARDS	3880	B	12-25-33	50100	13	49800	15
WA17	12442000	TOATS COULEE CR NR LOOMIS	130	A	5-28-48	6010	46		13
WA18	12442500	SIMILKAMEEN R NR NIGHTHAWK	3550	B	6- 1-72	45800	13	44800	13
WA19	12449500	METHOW R AT TWISP	1301	B	5-29-48	40800	31	32500	15
WA20	12459000	WENATCHEE R AT PESHASTIN	1000	B	5-28-48	32300	32	30900	15
WA21	13346100	PALOUSE R AT COLFAX	497	C	12-24-64	8510	17	7660	15
WA22	13351000	PALOUSE R AT HOOPER	2500	B	2- 4-63	33500	13	24000	15

See footnotes at end of table.

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	WASHINGTON--CONTINUED							
WA23	14128500 WIND R NR CARSON	225	B	12-23-64	28300	126	20000	17
WA24	14143500 WASHOUGAL R NR WASHOUGAL	108	C	12-22-64	19900	184	13500	17
WA25	14220500 LEWIS R AT ARIEL	731	B	12-22-33	129000	176	114000	17
WA26	14243000 COWLITZ R AT CASTLE ROCK	2238	B	12-23-33	139000	62	134000	17
WA27	MISC. 1 SF PINE CANYON CR NR WATERVILLE	5.4	D	5- 6-48	25000	4630		15
WA28	MISC. 2 ROZA CR NR ROZA	6.7	D	8-10-52	23600	3520		15
WA29	MISC. 3 COTTONWOOD CR NR SELAH	9.15	D	8-10-52	12800	1400		15
WA30	MISC. 4 LINVILLE CR NR POMEROY	6.9	D	6-17-50	9750	1410		15
WA31	MISC. 5 RAINY CR NR METHOW	6.6	D	5- 6-48	20000	3030		15
WA32	MISC. 6 PRINCE CR NR LUCERNE	35	D	5- 6-48	24700	706		17
WA33	MISC. 7 KNAPP COULEE TRIB NR CHELAN	.28	D	8-15-56	1860	6640		15
	WEST VIRGINIA							
WV 1	01607500 SF OF SBR POTOMAC R AT BRANDYWINE	102	B	6-17-49	41200	404	6760	4
WV 2	01608500 SBR POTOMAC R NR SPRINGFIELD	1471	B	3-18-36	143000	97	110000	4
WV 3	01610000 POTOMAC R AT PAW PAW	3109	B	3-18-36	240000	77		4
WV 4	01611500 CACAPON R NR GREAT CACAPON	677	A	3-18-36	87600	129	58500	4
WV 5	01618000 POTOMAC R AT SHEPHERDSTOWN	5936	B	3-19-36	335000	56	287000	4
WV 6	01636500 SHENANDOAH R AT MILLVILLE	3040	A	10-16-42	230000	76	192000	4
WV 7	03065000 DRY FORK AT HENDRICKS	345	B	10-15-54	47000	136	14100	4
WV 8	03071500 CHEAT R NR MORGANTOWN	1380	A	7-1888	160000	116		4
WV 9	03155500 HUGHES R AT CISCO	452	B	6-26-50	31700	70	18700	4
WV10	03186000 NEW R AT FAYETTE	6850	A	3-1878	310000	45		4
WV11	03189000 CHERRY R AT FENWICK	150	B	7-19-54	37000	247	12300	4
WV12	03193000 KANAWHA R AT KANAWHA FALLS	8367	A	9-1878	320000	38		4
WV13	03203600 GUYANDOTTE R AT LOGAN	836	C	3-12-63	55000	66	40800	4
WV14	03214000 TUG FORK NR KERMIT	1185	B	3-13-63	69600	59	46000	4
WV15	MISC. 1 TWOMILE CR AT CHARLESTON	19.6	D	7-20-61	17700	903		4

WEST VIRGINIA--CONTINUED

WV16	MISC. 2	NORTH MILL CR NR PETERSBURG	44.8	D	6-17-49	39000	871		4
WV17	MISC. 3	JORDAN R AT MOUTH. NR HOPEVILLE	20.5	D	6-17-49	18000	878		4
WV18	MISC. 4	LAUREL CR AB WHITE PINE	2.42	D	8-05-43	7400	3060		4

WISCONSIN

WI 1	04027000	BAD R NR ODANAH	611	B	4-24-60	27700	45	22000	6
WI 2	04087000	MILWAUKEE R AT MILWAUKEE	686	A	3-20-18	15100	22		6
WI 3	04087220	ROOT R NR FRANKLIN	49.3	C	3-30-60	5130	104		6
WI 4	05362000	JUMP R AT SHELDON	574	A	8-31-41	46000	80	40800	6
WI 5	05370000	EAU GALLE R AT SPRING VALLEY	64.8	A	9-18-42	33000	509		6
WI 6	05381000	BLACK R AT NEILLSVILLE	756	A	9-10-38	48800	65	38200	6
WI 7	05382000	BLACK R NR GALESVILLE	2120	B	4- 1-67	65500	31	62000	6
WI 8	05399500	BIG EAU PLEINE R NR STRATFORD	224	B	9- 9-38	41000	183	26100	6
WI 9	05414000	PLATTE R NR ROCKVILLE	139	B	7-16-50	43500	313	7830	6
WI10	05415000	GALENA R AT BUNCOMBE	128	B	6-29-69	29700	232	3400	6
WI11	MISC. 1	BAD R AT ODANAH	970	D	4-24-60	45600	47		6

WYOMING

WY 1	06228500	SF LITTLE WIND R NR FORT WASHAKIE	117	C	7- 9-26	5220	45	2910	13
WY 2	06258000	MUDDY CR NR SHOSHONI	332	C	7-24-23	16300	49		13
WY 3	06272500	PAINTROCK CR NR HYATTVILLE	164	C	6-24-45	8200	50	3600	13
WY 4	06309200	MF POWDER R NR BARNUM	46	C	6-15-63	7110	155	500	13
WY 5	06313000	SF POWDER R NR KAYCEE	1150	C	5-22-62	35500	31	8840	11
WY 6	06315500	MF CRAZY WOMAN CR NR GREUB	82.7	B	5- 2-47	4520	55	1210	11
WY 7	06316480	MEADGATE DRAW NR BUFFALO	1.1	C	6-15-65	5490	4990		13
WY 8	06317000	POWDER R AT ARVADA	6050	B	9-29-23	100000	17	84000	11
WY 9	06646600	DEER CR AT GLENROCK	213	C	6-12-70	14200	67	3920	11

See footnotes at end of table

TABLE 1.—*Extreme floods at selected sites*—Continued

Site number	Station number and site name	Drainage area (mi^2)	Length of flood record	Flood peak data				Region
				Date	Discharge (ft^3/s)			
					Peak	Unit	Daily	
	WYOMING--CONTINUED							
WY10	06653500 HORSESHOE CR NR GLENDO	211	B	6-14-65	12100	57	1500	11
WY11	06664500 SYBILLE CR NR WHEATLAND	225	B	7-24-63	4300	19	182	13
WY12	09201000 NEW FORK R NR BOULDER	552	A	6-17-18	12300	22	11800	13
WY13	10011500 BEAR R NR UTAH-WYOMING STATE LINE	176	B	6- 6-68	2980	17	2400	13
WY14	MISC. 1 CLEAR CR AT BUFFALO	130	D	6-11-12	16000	123		11
WY15	MISC. 2 SALT WELLS CR TRIB NR ROCK SPRINGS	8.6	D	7-31-59	2290	266		13
WY16	MISC. 3 MOLLY FORK NR GUERNSEY	7.0	D	6-26-55	14000	2000		11

[1] A GREATER FLOOD IS BELIEVED TO HAVE OCCURRED AT SOME OTHER TIME, BUT DATA ARE NOT AVAILABLE, OR THE FLOOD WAS NOT A NATURAL EVENT.
[2] PEAK DISCHARGE WAS PROBABLY SLIGHTLY AFFECTED BY REGULATION.
[3] SOME OF THIS AREA WAS PROBABLY NON-CONTRIBUTING.

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