Table 1.--Continuous-gaging stations in Louisiana used to determine mean annual runoff  
[Reference, Ref., cubic foot per second per square mile, (ft³/s)/mi²]

Ref. Station no.	Name	Drainage area (mi²)	Mean annual runoff [(ft³/s)/mi²]	Period of record for computing runoff (month-year)
1 02490000	Bayou Lusa Creek near Franklinton--	12.1	1.49	10-48 to 9-68
2 02490105	Bayou Lusa Creek at State Hwy 439 at Bogalusa.	72.7	1.62	22-00 to 10-63 to 9-83
3 02491500	Bayou Chitto at Franklinton-----	990	1.61	22-00 to 10-28 to 9-31
4 02492000	Bayou Chitto near Bush-----	1,213	1.58	10-37 to 9-83
5 07344450	Bayou Bayou near Greenwood-----	80.5	.80	10-55 to 9-83
6 07347000	Kelly Bayou near Houston-----	116	.82	11-11 to 10-44 to 9-68
7 07347500	Black Bayou near Gilliam-----	364	1.04	14-18 to 10-42 to 9-59
8 07348000	Twelve mile Bayou near Dixie-----	3,137	.81	11-03 to 10-42 to 9-83
9 07348700	Bayou Dorcheat near Springhill-----	605	.91	12-30 to 10-57 to 9-83
10 07348800	Flat Lick Bayou near Leton-----	66.9	.90	12-16 to 10-56 to 9-77
11 07349000	Bayou Dorcheat near Minden-----	1,097	1.01	13-75 to 10-28 to 9-31
12 07349500	Bodou Bayou near Sarcepta-----	546	1.04	14-13 to 10-38 to 9-83
13 07349795	Cypress Bayou above Benton-----	88.9	.82	11-15 to 10-74 to 9-83
14 07350000	Louis Bayou near Winok-----	2,626	.87	11-84 to 10-48 to 9-60
15 07351000	Boggy Bayou near Keithville-----	79	.87	11-86 to 10-39 to 9-82
16 07351500	Cypress Bayou near Keithville-----	66	1.16	15-76 to 10-38 to 9-57
17 07351700	Bayou La Bouchasse near Mansfield-----	19.5	.68	9-26 to 10-58 to 9-68
18 07353800	Bayou Bayou near Robeline-----	35.1	.79	10-72 to 10-57 to 9-69
19 07355000	Saline Bayou near Lachy-----	154	1.05	14-29 to 10-40 to 9-83
20 07355200	Black Lake Bayou near Cantor-----	423	1.29	17-47 to 10-40 to 9-57
21 07355800	Grand Bayou near Coushatta-----	93.9	.95	12-86 to 10-56 to 9-77
22 07355900	Saline Bayou near Clarence-----	1,386	.84	11-42 to 10-49 to 9-82
23 07356100	Natchitoches Creek near Montegut-----	47	1.14	15-46 to 10-62 to 9-68
24 07356320	Natchitoches Lake near Aloha-----	80.4	.90	12-26 to 10-69 to 9-72
25 07354000	Little Sandy Creek at Kisatchie-----	21.4	1.38	18-72 to 10-49 to 9-79
26 07354500	Horsepen Creek near Provencal-----	5.3	.90	12-28 to 10-49 to 9-68
27 07355000	Hempill Creek near Hot Wells-----	18.0	1.51	20-53 to 10-48 to 9-64
28 07364200	Bayou Bartholomew near Jones-----	1,187	1.07	14-52 to 10-57 to 9-83
29 07364300	Chemist a Haut Bayou near Beckman-----	271	1.08	14-74 to 10-55 to 9-79
30 07364500	Bayou Bartholomew near Beckman-----	1,645	1.09	14-82 to 10-27 to 9-31
31 07364700	Bayou de Loure near Laram-----	141	1.31	17-82 to 10-55 to 9-77
32 07365000	Bayou D'Arbonne near Dubach-----	359	1.14	15-54 to 10-40 to 9-68
33 07365500	Middle Fork Bayou D'Arbonne near Berwick-----	178	1.20	16-73 to 10-40 to 9-57
34 07366000	Corney Bayou near Little-----	462	1.02	13-88 to 10-40 to 9-57
35 07366200	Little Corney Bayou near Little-----	208	.89	12-14 to 10-55 to 9-83
36 07367000	Bois River near Ada State Line-----	785	1.21	16-47 to 10-57 to 9-68
37 07368500	Six Colems Bayou near Oak Grove-----	42	1.09	14-81 to 10-49 to 9-77
38 07369500	Tensas River at Natchez-----	309	1.11	15-03 to 10-35 to 9-83
39 07369700	Bayou Macon near Kilbourne-----	524	1.01	13-49 to 10-52 to 9-68
40 07370000	Bayou Macon near Delhi-----	782	1.27	17-28 to 10-35 to 9-83
41 07370500	Cattou Creek near Grayson-----	271	.89	12-13 to 10-40 to 9-70
42 07371000	Garrett Creek at Jonesboro-----	2.1	1.03	14-02 to 10-52 to 9-70
43 07371500	Dugdemona River near Jonesboro-----	355	1.17	15-92 to 10-38 to 9-57
44 07372000	Dugdemona River near Winfield-----	654	1.09	14-83 to 10-39 to 9-77
45 07372200	Little River near Nichelle-----	1,899	1.12	15-17 to 10-57 to 9-83

Table 1.--Continued

Ref. Station no.	Name	Drainage area (mi²)	Mean annual runoff [(ft³/s)/mi²]	Period of record for computing runoff (month-year)
46 07372500	Bayou Poney Louis near Trout-----	92	1.34	18-16 to 10-39 to 9-70
47 07373000	Big Creek at Pollock-----	51	1.20	16-35 to 10-42 to 9-83
48 07373500	West Fork Thompson Creek near Helgerfeld-----	35.3	1.22	16-50 to 10-50 to 9-70
49 07375000	Tchoufoula River near Polson-----	95.5	1.70	23-06 to 10-43 to 9-83
50 07375500	Tangipahoa River at Robert-----	646	1.77	24-26 to 10-38 to 9-83
51 07375800	Tickfaw River at Liverpool-----	69.7	1.29	17-56 to 10-56 to 9-68
52 07376000	Tickfaw River at Wolden-----	247	1.51	20-56 to 10-40 to 9-83
53 07376500	Natchitoches River at Baptiste-----	79.5	1.47	19-98 to 10-43 to 9-83
54 07377000	Amite River near Darlington-----	580	1.59	21-63 to 10-49 to 9-83
55 07377500	Omite River near Olive Branch-----	145	1.62	22-01 to 10-42 to 9-83
56 07378000	Omite River near Conite-----	284	1.67	22-71 to 10-45 to 9-83
57 07378500	Amite River near Denham Springs-----	1,280	1.58	21-44 to 10-38 to 9-83
58 07380000	Bayou Cordeiro near Clear Water-----	240	1.74	23-60 to 10-22 to 9-24
59 07382500	Bayou Courtableau at Washington-----	715	1.50	20-31 to 10-46 to 9-83
60 07383500	Bayou des Claires Diversion Channel at Moreauville-----	270	1.55	21-08 to 10-43 to 9-83
61 07384000	West Protection Levee Narrow Pit channel near Plaquemine-----	321	1.65	22-39 to 10-44 to 9-57
62 07386000	Bayou Caneiro near Sunset-----	37.1	1.46	18-84 to 10-43 to 9-61
63 07386500	Bayou Bourbeau at Shattuck-----	13.0	1.36	18-44 to 10-42 to 9-70
64 08010000	Bayou des Cannes near Eunice-----	131	2.05	27-89 to 10-38 to 9-83
65 08010500	Long Point Gully near Crowley-----	25.7	1.77	24-05 to 10-49 to 9-58
66 08011000	Bayou Plaquemine Brule near Crowley-----	254	2.14	25-08 to 10-42 to 9-47
67 08011500	Boggy Bayou near Pine Prairie-----	51.3	1.65	22-40 to 10-48 to 9-51
68 08012000	Bayou Nezigue near Benile-----	527	1.56	21-18 to 10-38 to 9-83
69 08013000	Calcasieu River near Glenora-----	499	1.45	19-05 to 10-43 to 9-83
70 08013500	Calcasieu River near Oberlin-----	753	1.52	20-69 to 10-22 to 9-24
71 08014000	Simsie Creek near Suptown-----	171	1.43	19-46 to 10-56 to 9-65
72 08014200	Temile Creek near Elizabeth-----	94.2	1.32	17-88 to 10-49 to 9-65
73 08014500	Whiskey Chitto Creek near Oberlin-----	510	1.58	21-49 to 10-39 to 9-83
74 08014800	Bardick Creek near De Sade-----	120	1.37	18-56 to 10-56 to 9-79
75 08015000	Bardick Creek near Dry Creek-----	238	1.51	20-48 to 10-39 to 9-70
76 08015500	Calcasieu River near Kinder-----	1,700	1.51	20-52 to 10-22 to 9-24
77 08016400	Beckwith Creek near De Quincy-----	148	1.34	18-26 to 10-61 to 9-83
78 08016600	Hickory Branch at Kernan-----	82.2	1.55	20-98 to 10-45 to 9-57
79 08016800	Beck Creek near Stark-----	177	1.29	17-57 to 10-56 to 9-83
80 08023000	Bayou Cantor near Louisiana-----	36.5	1.72	24-75 to 10-52 to 9-71
81 08023500	Bayou San Patricio near Natchez-----	154	.68	9-17 to 10-51 to 9-67
82 08024000	Bayou San Miguel near Zwolle-----	111	.78	10-65 to 10-48 to 9-67
83 08024060	Blackwell Creek at Many-----	3.2	.80	10-51 to 10-59 to 9-68
84 08024200	Bayou La Nana near Zwolle-----	130	.67	9-04 to 10-55 to 9-66
85 08025000	Bayou Toro near Toro-----	148	.97	13-21 to 10-53 to 9-83
86 08027500	Bayou Anacoco near Leesville-----	119	1.23	16-67 to 10-48 to 9-64
87 08028000	Bayou Anacoco near Rosepine-----	365	1.23	16-71 to 10-51 to 9-83
88 08028700	Hosier Creek near Merryville-----	13.1	1.06	14-43 to 10-55 to 9-81

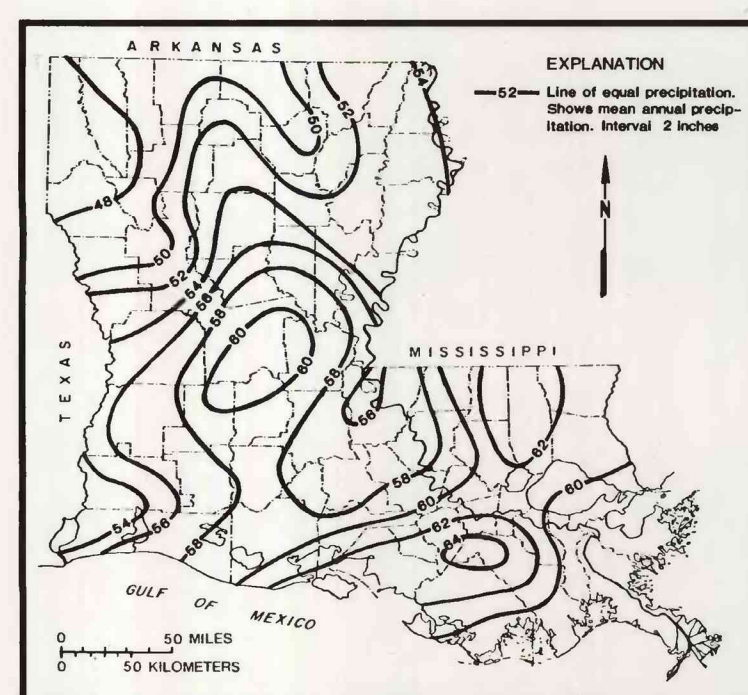


Figure 1.--Mean annual precipitation in Louisiana for the base period 1951-80. (See Muller and others, 1984.)

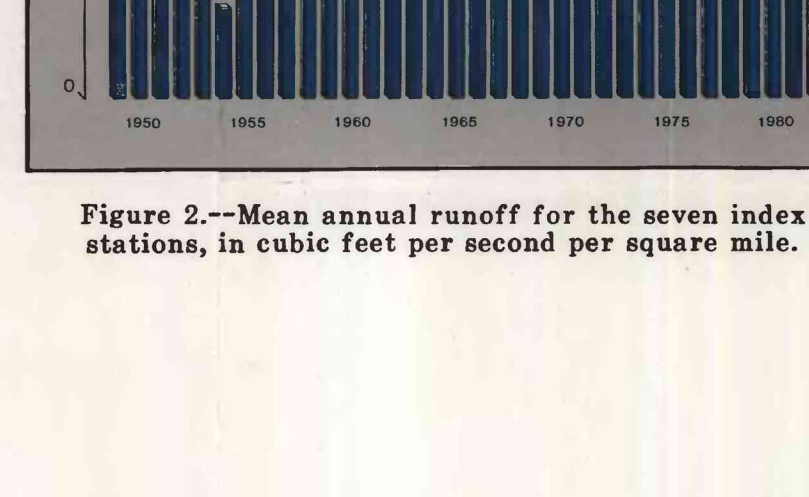
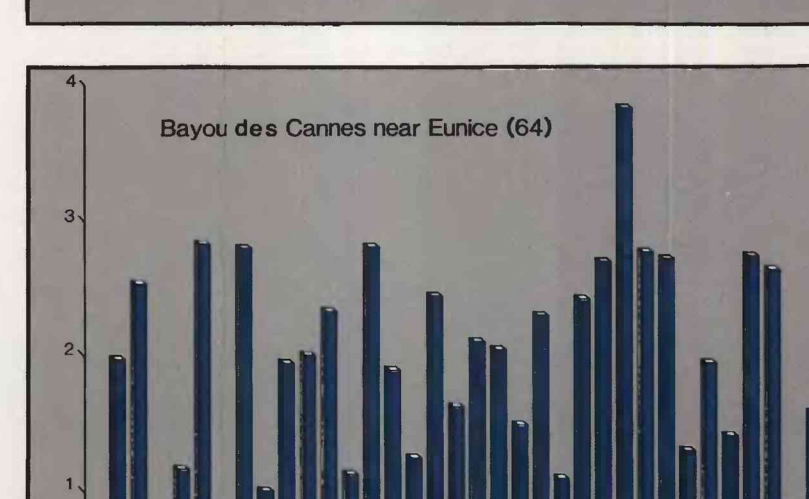
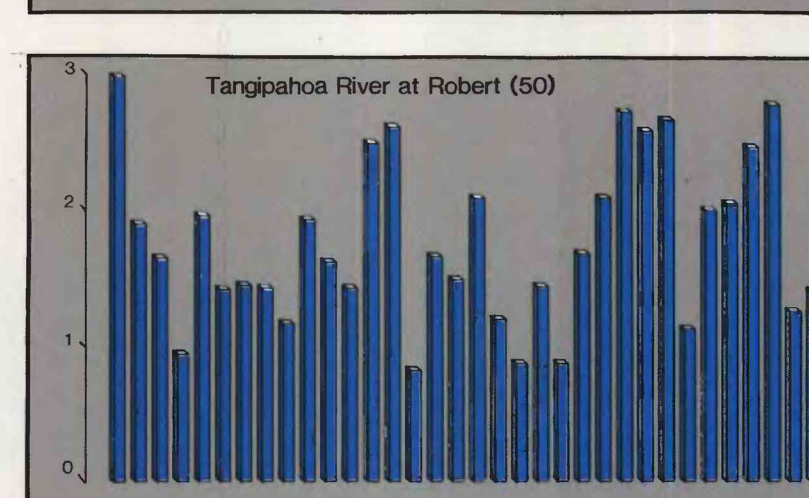
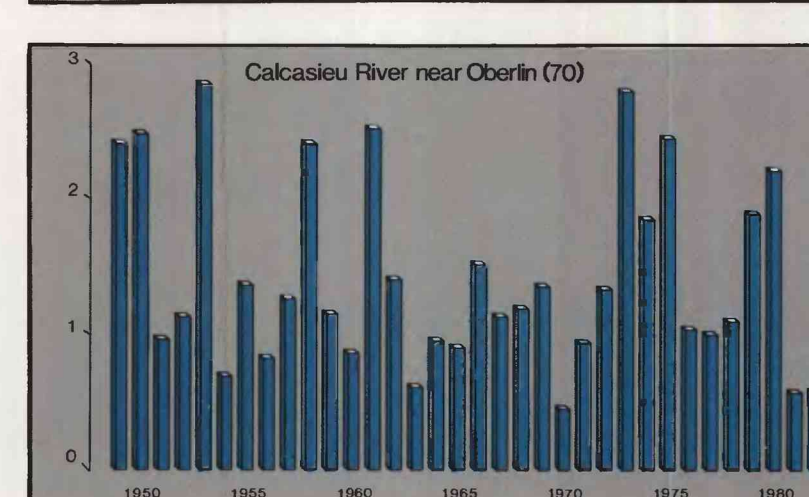
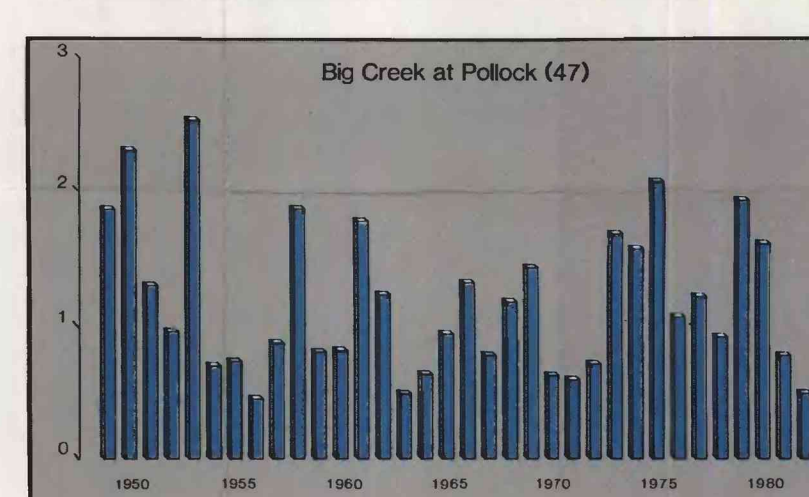
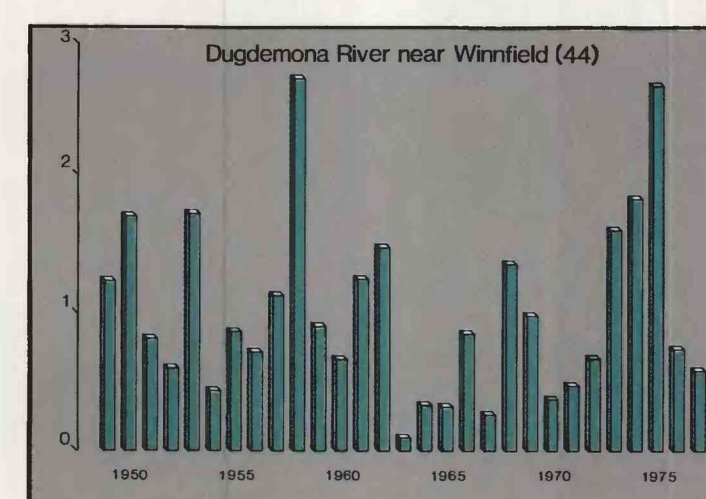
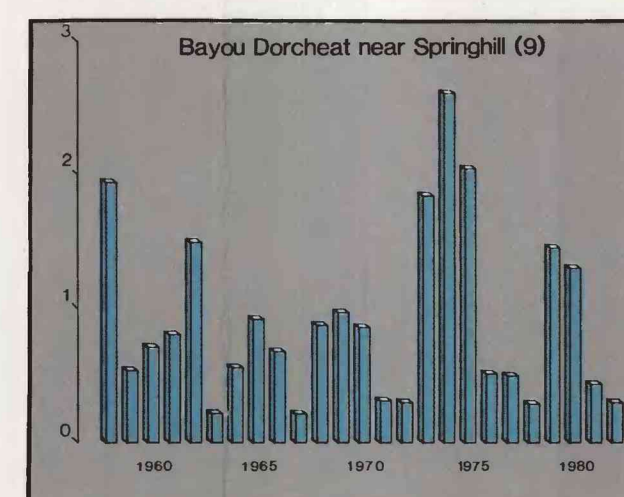
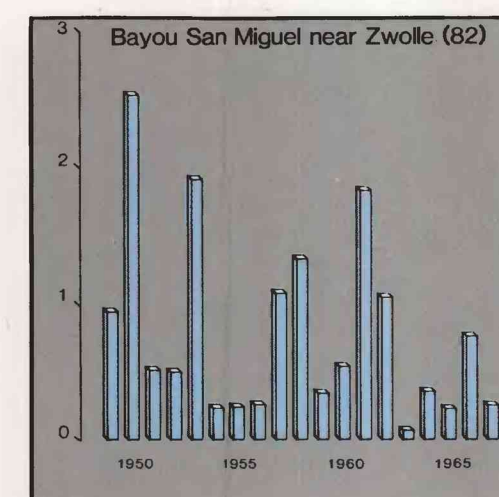


Figure 2.--Mean annual runoff for the seven index stations, in cubic feet per second per square mile.

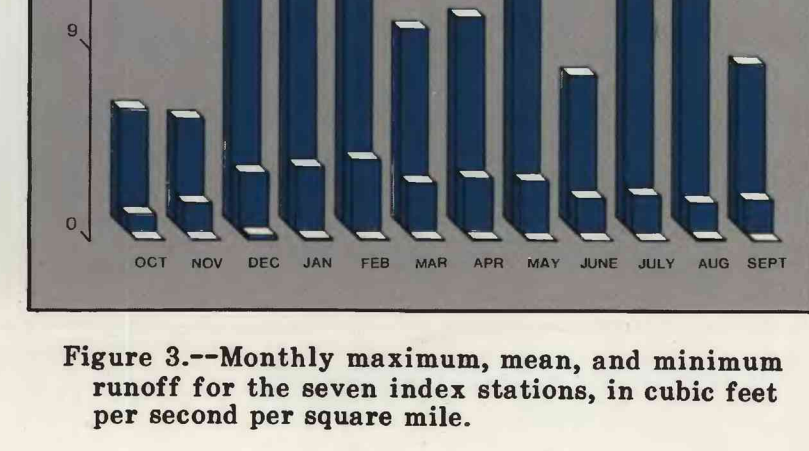
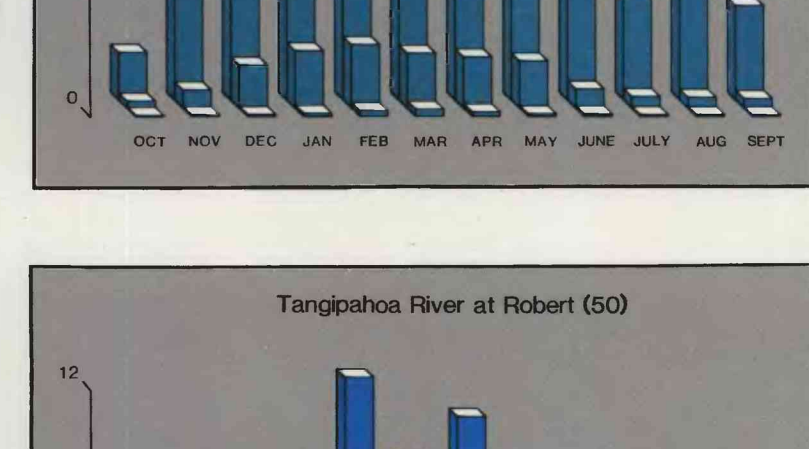
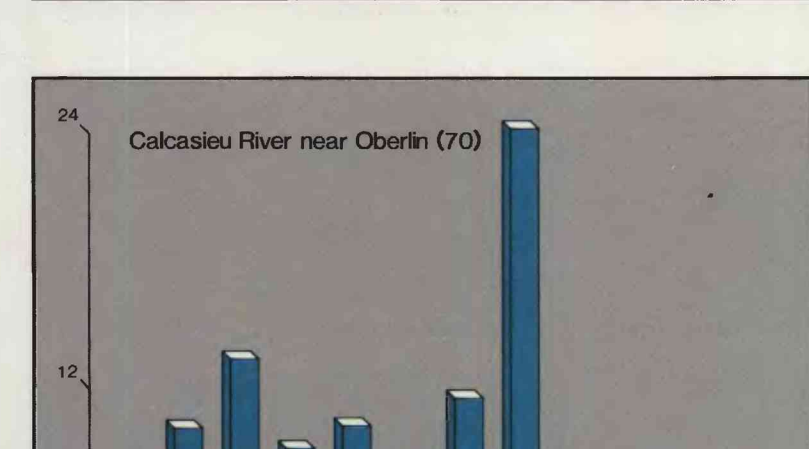
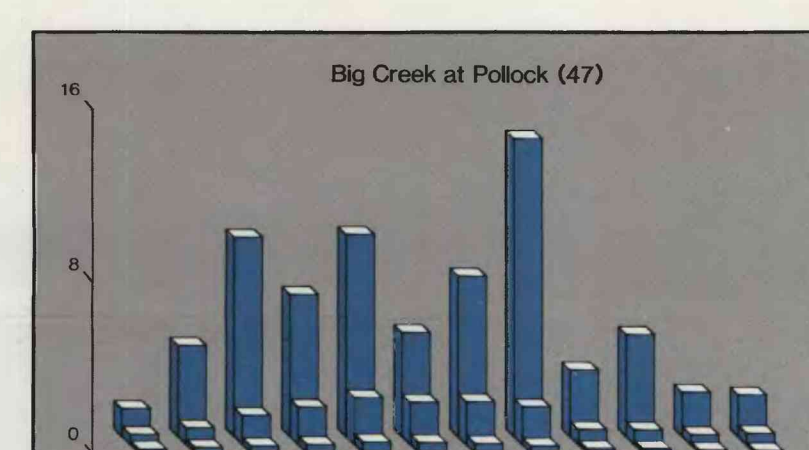
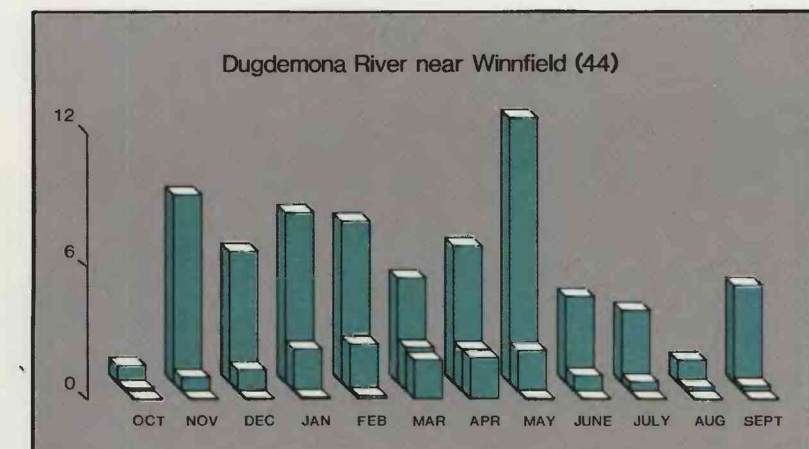
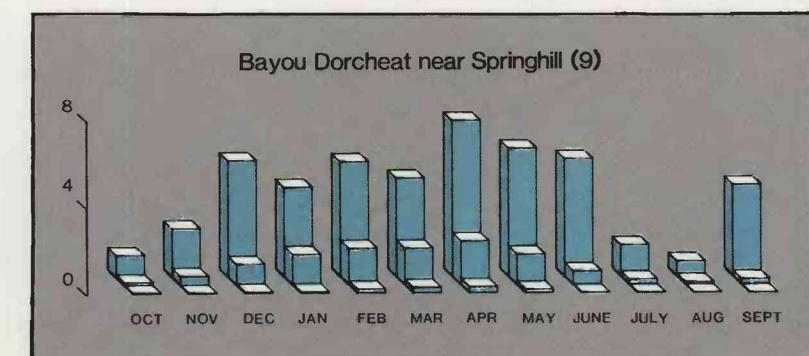
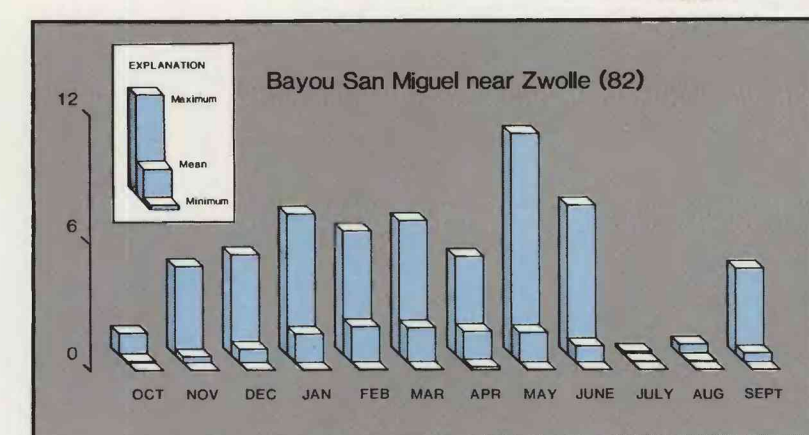


Figure 3.--Monthly maximum, mean, and minimum runoff for the seven index stations, in cubic feet per second per square mile.

LOUISIANA HYDROLOGIC ATLAS MAP NO. 1 :  
MEAN ANNUAL RUNOFF IN LOUISIANABy  
Harry C. McWreath, III and Alfred S. Lowe