

UNITED STATES DEPARTMENT OF THE INTERIOR
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GEOLOGICAL SURVEY
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GEOLOGICAL SURVEY CIRCULAR 380

FLOODS OF DECEMBER 1955–JANUARY 1956 IN FAR-WESTERN STATES

PEAK DISCHARGES

Prepared by Water Resources Division
Surface Water Branch

Washington, D. C., 1956

Free on application to the Geological Survey, Washington 25, D. C.

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Record-breaking floods occurred in California, the western parts of Nevada, Oregon, and Idaho, and scattered basins in southern Washington during the last part of December 1955 and in January 1956. Areas experiencing major flooding are shown on the map, page 2. Flood descriptions, by States, are briefly as follows:

California.--An area extending from the southern end of the Central Valley northward along the coast and inland to Nevada was flooded between December 18 and 26, following a succession of severe rainstorms. Rain extending into areas of unusually high elevation caused melting of snow in areas of low elevation. Flood volumes as well as peak discharges were high. Moderate floods occurred during the period January 14-16 in the northern part of the State and about January 25 in the southern part. A few flood peaks exceeded those of December, but at most places the floods were not excessive.

Nevada.--Floods in the Sierra Nevada region occurred about December 23, owing to heavy rains extending into areas of high altitude. High discharges were experienced in the Carson, Truckee, and Walker River basins. January storms extended into the Humboldt and other basins, but flood peaks were not record breaking.

Oregon.--Heavy rains and warm weather caused severe floods between December 21-23 and again on December 26. Floods were most severe in southwestern Oregon, where discharges were record high, and northwestern Oregon, where discharges were of record or near-record magnitude. Other floods occurred about January 4, 15, and 22, some of which were in eastern Oregon in areas which had largely escaped the floods of December.

Washington.--Flooding was general in the southern and southeastern parts of the State December 21-26 but was not record breaking although the runoff was very high. Little flooding occurred during January.

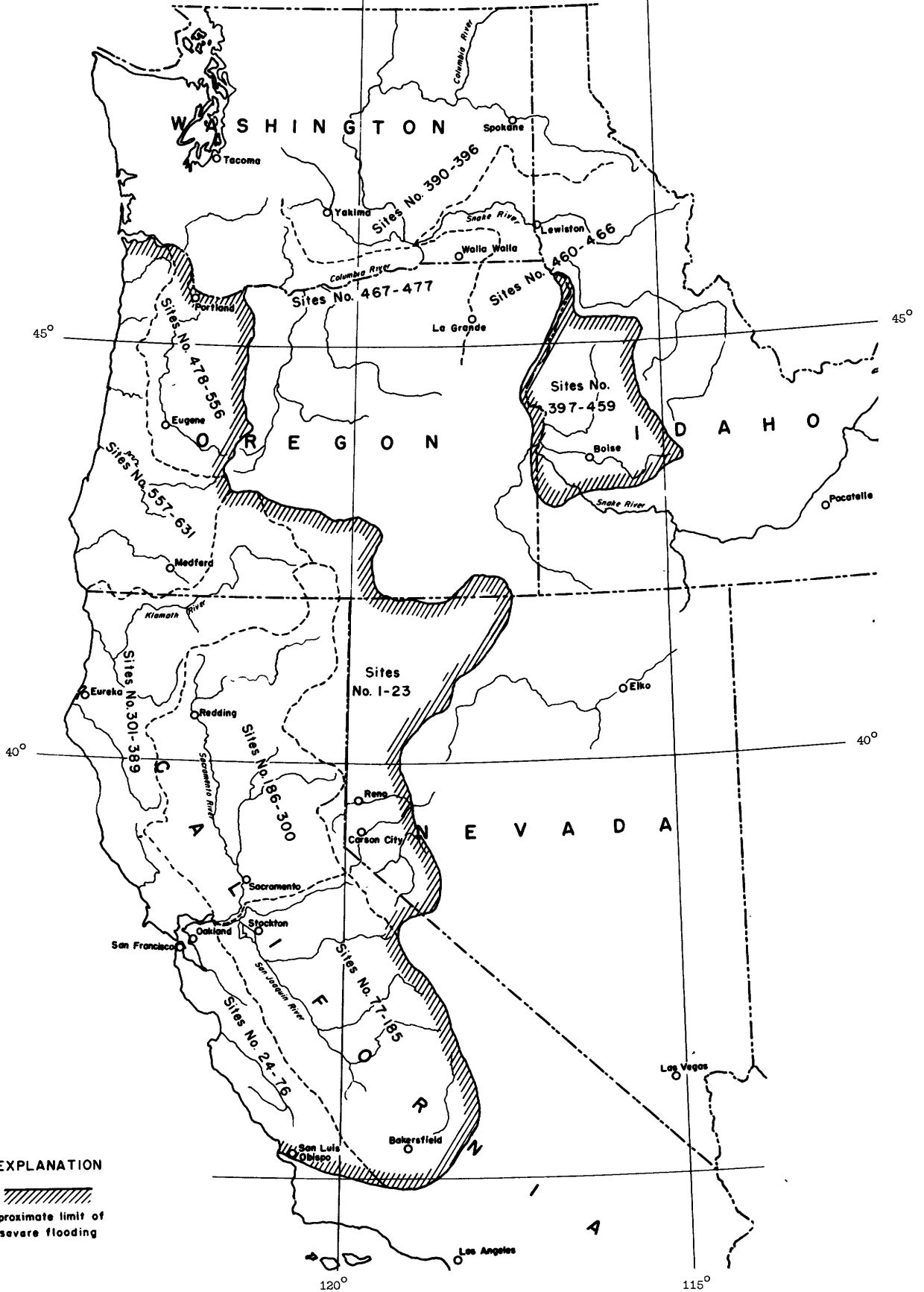
Idaho.--Unusual floods in western-central Idaho occurred on December 22-23 owing to heavy rains which followed snow and were accompanied by unseasonably high temperatures. Highest floods occurred in Payette and Weiser River basins. During January, streams in southern Idaho were at high levels.

Peak discharges that occurred in the flood areas are presented in the following table. The Geological Survey will publish a comprehensive report of the floods at a later date.


Information presented in the following table is (1) a location number, for use with map on page 2; (2) name of stream and place of determination of discharge; (3) drainage area, where known; (4) period during which a systematic and continuous record of stage and discharge has been kept; (5) the maximum discharge previously recorded; and (6) for the December 1955-January 1956 floods, the day of the peak, the peak stage, and the peak discharge and peak discharge per square mile.

Maximum discharges were determined by means of current-meter measurements, by an extension of stage-discharge rating curves, or by slope-area, contracted-opening, flow over dam, or other indirect methods. Indirect measurements, based on field surveys made after the floods, were made by personnel of the Geological Survey assisted by employees of the States, the Corps of Engineers, U. S. Army, and the U. S. Bureau of Reclamation.

This tabulation of maximum discharges of the floods of December 1955-January 1956 was prepared by the staff of the Surface Water Branch, Water Resources Division, U. S. Geological Survey, under the general direction of Tate Dalrymple, chief, Technical Standards Section. Most of the basic data were collected in financial cooperation with public agencies, under the direction of the following Survey district engineers: California, R. C. Briggs; Nevada, M. T. Wilson; Oregon, K. N. Phillips; Washington, F. M. Veatch; and Idaho, T. R. Newell. Fieldwork and processing of data were supervised by Walter Hofmann, area staff engineer. During the floods, hydraulic engineers from all sections of the country were detailed to the flooded area to assist in gathering data.



EXPLANATION

 Approximate limit of severe flooding

Map of the area of severe flooding December 1955-January 1956, showing general location of peak stage and discharge sites.

Maximum stages and discharges on streams in far-Western States

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq. mi.
<u>Walker Lake Basin</u>								
1	Summers Creek near Bridgeport, Calif -----	12.6	1953-55 -----	-----	Dec. 23	5.95	691	54.8
2	Swager Creek near Bridgeport, Calif -----	53.0	1953-56 -----	-----	Dec. 23	6.24	585	11.0
3	East Walker River above Strosnider ditch, near Mason, Nev -----	-----	1947-56 -----	1,400	Dec. 23	6.87	1,640	-----
4	East Fork West Walker River near Bridgeport, Calif -----	63	1910; 1944-56 -----	660	Dec. 23	2.80	^a 765	12.1
5	West Walker River below East Fork, near Coleville, Calif -----	182	1938-56 -----	6,220	Dec. 23	7.41	5,180	28.5
6	West Walker River near Hudson, Nev -----	964	1914-25; 1947-56 -----	2,530	-----	7.42	2,450	2.54
<u>Humboldt-Carson Sink Basin</u>								
7	Markleeville Creek above Grover Hot Springs, near Markleeville, Calif -----	14	1946-56 -----	1,740	-----	7.36	900	64.3
8	East Fork Carson River near Gardnerville, Nev -----	344	1890-93; 1900-06; 1908-10; 1917; 1924-29; 1935-37; 1939-56 -----	12,100	Dec. 23	11.88	17,600	51.2
9	West Fork Carson River at Woodfords, Calif -----	66	1900-07; 1910-11; 1938-56 -----	4,730	Dec. 23	8.86	4,810	72.9
10	Carson River near Carson City, Nev -----	876	1939-56 -----	15,500	Dec. 23	15.0	30,000	34.2
<u>Pyramid and Winnemucca Lakes Basin</u>								
11	Truckee River near Truckee, Calif -----	^b 565	1944-56 -----	6,480	Dec. 23	7.92	^a 7,010	15.2
12	Truckee River at Farad, Calif -----	^b 940	1938-43 -----	^c 17,500	Dec. 23	-----	14,400	15.3
13	Truckee River at Reno, Nev -----	^b 1,070	1905-19; 1947-56 -----	19,900	Dec. 23	13.63	20,800	19.5
<u>Black Rock Desert Basin</u>								
14	East Fork Quinn River near McDermitt, Nev -----	-----	1948-56 -----	940	Jan. 15	8.52	1,380	-----
<u>Honey Lake Basin</u>								
15	Susan River at Susanville, Calif -----	192	1917-21; 1950-56 -----	^d 2,590	Dec. 23	6.58	3,540	18.4
16	Willow Creek near Susanville, Calif -----	92.5	1950-56 -----	626	Dec. 23	5.36	712	7.70
17	Pino Creek near Westwood, Calif -----	22.6	1950-56 -----	154	Dec. 23	3.96	169	7.48
<u>Warner Lakes Basin</u>								
18	Twentymile Creek near Adel, Oreg -----	^d 194	1910-16; 1917-19; 1940-44; 1945-55 -----	3,000	Dec. 23	14.8	^a 3,320	17.1
19	Camas Creek near Lakeview, Oreg -----	63	1912-14; 1944-56 -----	660	Dec. 22	5.15	^a 1,630	25.9
20	Drake Creek near Adel, Oreg -----	47	1915; 1922-23; 1944-56 -----	866	Dec. 23	3.93	1,100	23.4
21	Deep Creek above Adel, Oreg -----	249	1922-23; 1929-56 -----	5,030	Dec. 23	7.2	^a 4,540	18.2
<u>Abert Lake Basin</u>								
22	Chewaucan River above Conn ditch, near Paisley, Oreg -----	275	1912-21; 1924-56 -----	^c 4,000	Dec. 22	7.8	^a 3,260	11.9
<u>Silver Lake Basin</u>								
23	Silver Creek near Silver Lake, Oreg -----	221	1905-07; 1909-56 -----	1,800	Dec. 22	7.4	^a 970	4.39
<u>Arroyo De La Cruz Basin</u>								
24	Arroyo de la Cruz near San Simeon, Calif -----	41.4	1950-56 -----	11,600	Dec. 23	12.40	17,700	428
25	Sur River at Big Sur, Calif -----	46.9	1950-56 -----	7,000	Dec. 23	11.05	5,220	111
<u>Carmel River Basin</u>								
26	Carmel River near Carmel Valley, Calif -----	188	-----	-----	Dec. 23	-----	6,930	36.9
<u>Salinas River Basin</u>								
27	Salinas River near Pozo, Calif -----	72.5	1942-56 -----	5,800	Jan. 25	10.65	4,090	56.4
28	Salinas River above Pilitas Creek, near Santa Margarita, Calif -----	112	1942-56 -----	^e 2,200	Jan. 27	2.90	^e 625	5.58
29	Jack Creek near Templeton, Calif -----	25.4	1949-56 -----	3,090	Jan. 25	9.56	5,040	198
30	Salinas River at Paso Robles, Calif -----	389	1939-56 -----	^e 14,200	Jan. 25	16.73	^e 12,000	30.8
31	Estrella Creek near Estrella, Calif -----	-----	1964-56 -----	-----	Jan. 25	3.92	1,310	-----
32	Nacimiento River near Bryson, Calif -----	140	1955-56 -----	-----	Dec. 23	24.63	30,300	216
33	Nacimiento River near San Miguel, Calif -----	354	1939-56 -----	53,100	Dec. 23	13.15	58,600	166
34	San Antonio River at Pleyto, Calif -----	282	1922; 1929-56 -----	11,400	Dec. 23	5.84	14,500	51.4
35	Salinas River near Bradley, Calif -----	2,522	1948-56 -----	^e 26,800	Dec. 24	12.01	^e 25,000	9.91
36	San Lorenzo Creek at King City, Calif -----	262	-----	-----	Dec. 23	-----	3,100	11.8
37	Arroyo Seco near Soledad, Calif -----	241	1901-56 -----	^f 22,000	Dec. 23	14.30	27,700	115
38	Salinas River near Spreckels, Calif -----	4,231	1900-01; 1929-56 -----	^e 75,000	Dec. 25	24.52	^e 23,600	5.58
<u>Pajaro River Basin</u>								
39	Pacheco Creek near Dunneville, Calif -----	146	1940-56 -----	7,200	Dec. 23	18.6	^e 12,600	86.3
40	Llagas Creek near Morgan Hill, Calif -----	19.6	1951-56 -----	2,760	Dec. 23	3.39	363	18.5
41	Uvas Creek near Morgan Hill, Calif -----	30.2	1930-56 -----	8,630	Dec. 23	14.3	10,300	341
42	San Benito River below McCoy Creek near Hernandez, Calif -----	108	-----	-----	Dec. 24	-----	3,140	29.1
43	San Benito River near Willow Creek School, Calif -----	250	1939-56 -----	6,200	Dec. 23	6.00	3,790	15.2
44	Tres Pinos Creek near Tres Pinos, Calif -----	209	1940-56 -----	8,060	Dec. 23	6.90	4,750	22.7

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq mi
<u>Pajaro River Basin--Continued</u>								
45	San Benito River near Hollister, Calif -----	586	1949-56-----	5,490	Dec. 24	12.55	7,460	12.7
46	Pajaro River near Chittenden, Calif -----	1,188	1939-56-----	11,100	Dec. 24	32.46	24,000	20.2
47	Corralitos Creek near Watsonville, Calif -----	27.1	-----	-----	Dec. 22	-----	3,620	134
<u>Soquel Creek Basin</u>								
48	Soquel Creek at Soquel, Calif -----	40.4	1951-56-----	4,910	Dec. 23	22.33	15,800	391
<u>San Lorenzo River Basin</u>								
49	San Lorenzo River at Big Trees, Calif -----	110	1937-56-----	24,000	Dec. 23	22.55	30,400	276
50	San Lorenzo River at Santa Cruz, Calif -----	115	1952-56-----	9,400	Dec. 23	23.10	30,400	264
51	Branciforte Creek at Santa Cruz, Calif -----	18.5	1940-43; 1952-56-----	3,910	Dec. 22	22.04	8,100	438
<u>Scott Creek Basin</u>								
52	Scott Creek near Davenport, Calif -----	13.6	-----	-----	Dec. 23	-----	6,430	473
<u>Pescadero Creek Basin</u>								
53	Pescadero Creek near Pescadero, Calif -----	46.2	1951-56-----	5,440	Dec. 23	21.27	9,420	204
<u>Purisima Creek Basin</u>								
54	Purisima Creek near Half Moon Bay, Calif -----	6.11	-----	-----	Dec. 22	-----	683	112
<u>San Francisquito Creek Basin</u>								
55	San Francisquito Creek at Standord University, Calif -----	35.7	1931-41; 1950-56-----	3,650	Dec. 22	13.60	5,560	156
<u>Matadero Creek Basin</u>								
56	Matadero Creek at Palo Alto, Calif -----	8.10	1952-56-----	535	Dec. 22	9.60	854	105
<u>Stevens Creek Basin</u>								
57	Stevens Creek near Cupertino, Calif -----	18.0	1930-56-----	2,390	Dec. 23	8.25	1,420	78.9
<u>Guadalupe River Basin</u>								
58	Alamitos Creek near Edenvale, Calif -----	35.0	1930-56-----	2,670	Dec. 23	6.6	4,140	118
59	Guadalupe Creek at Guadalupe, Calif -----	12.7	1930-56-----	1,330	Dec. 22	4.20	1,320	104
60	Los Gatos Creek at Los Gatos, Calif -----	38.9	1930-44; 1953-56-----	7,110	Jan. 1	6.74	715	18.4
61	Guadalupe River at San Jose, Calif -----	31	1930-56-----	8,680	Dec. 23	13.94	5,740	43.8
62	Saratoga Creek at Saratoga, Calif -----	8.8	1933-56-----	1,650	Dec. 22	6.40	2,730	310
<u>Coyote Creek Basin</u>								
63	Coyote Creek near Madrone, Calif -----	194	1902-12; 1916-56-----	25,000	Dec. 22	2.13	18	.09
64	Coyote Creek near Edenvale, Calif -----	229	1916-56-----	10,000	Dec. 23	5.02	1,610	7.03
<u>Alameda Creek Basin</u>								
65	San Antonio Creek near Sunol, Calif -----	58.4	-----	-----	Dec. 23	-----	5,810	99.5
66	Arroyo Mocho near Livermore, Calif -----	36.7	-----	-----	Dec. 23	-----	1,880	51.2
67	Arroyo del Valle near Livermore, Calif -----	149	-----	-----	Dec. 23	-----	18,200	122
68	Arroyo de la Laguna near Pleasanton, Calif -----	406	-----	-----	Dec. 23	-----	24,800	61.1
69	Alameda Creek near Niles, Calif -----	533	1916-56-----	18,500	Dec. 23	14.9	21,000	33.2
<u>San Lorenzo Creek Basin</u>								
70	San Lorenzo Creek at Hayward, Calif -----	38.0	1940; 1946-56-----	3,440	Dec. 23	20.82	4,790	126
<u>Pacheco Creek Basin</u>								
71	San Ramon Creek at San Ramon, Calif -----	5.89	1952-56-----	364	Dec. 22	14.2	1,350	229
72	San Ramon Creek at Walnut Creek, Calif -----	50.7	1952-56-----	2,200	Dec. 23	14.65	6,890	136
73	Walnut Creek at Walnut Creek, Calif -----	78.1	1952-56-----	5,810	Dec. 23	23.22	11,000	141
74	Galindo Creek at Concord, Calif -----	6.16	-----	-----	Dec. 23	3.45	260	42.2
75	Pine Creek at Concord, Calif -----	20.8	1952-56-----	548	Dec. 23	9.85	981	47.2
76	Grayson Creek near Hookston, Calif -----	1.92	-----	-----	Dec. 23	4.72	415	216
<u>Kern River Basin</u>								
77	Kern River near Kernville, Calif -----	845	1912-56-----	27,000	Dec. 23	17.55	27,200	32.2
78	Kern River at Kernville, Calif -----	1,026	1905-12; 1953-56-----	10,400	Dec. 23	16.20	29,400	28.9
79	South Fork Kern River near Oryx, Calif -----	530	1911-14; 1919-42; 1947-56-----	3,450	Dec. 24	5.73	2,050	3.86
80	Isabella Reservoir near Isabella, Calif -----	2,093	1953-56-----	2,543.6	Jan. 31	2,550.25	-----	-----
81	Kern River below Isabella Dam, Calif -----	2,094	1945-56-----	39,000	Dec. 29	6.11	366	.17
82	Kern River near Democrat Springs, Calif -----	2,264	1950-56-----	40,000	Jan. 27	9.60	1,390	.61
83	Kern River below Kern Canyon powerhouse, Calif -----	2,327	1893-56-----	36,000	Jan. 27	9.35	2,140	.92
<u>Tulare Lake Basin</u>								
84	North Fork of Middle Fork Tule River near Springville, Calif -----	39.5	1939-56-----	14,000	Dec. 23	12.47	12,400	314
85	Tule River near Porterville, Calif -----	261	1901-56-----	25,500	Dec. 23	11.80	24,200	92.8

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq. ml.
<u>Tulare Lake Basin--Continued</u>								
86	South Fork Tule River near Success, Calif -----	109	1930-54; 1956-----	7,100	Jan. 25	9.04	3,100	28.4
87	Tule River at Worth Bridge, near Porterville, Calif -----	395	1953-56-----	3,110	Dec. 23	21.65	27,000	68.3
88	Middle Fork Kaweah River near Potwisha Camp, Calif -----	100	1949-56-----	¹ 15.70	Dec. 23	29.0	-----	-----
89	Marble Fork Kaweah River at Potwisha Camp, Calif -----	50.6	1950-56-----	4,000	Dec. 23	13.82	12,500	247
90	North Fork Kaweah River at Kaweah, Calif -----	128	1910-56-----	9,150	Dec. 23	14.1	21,500	168
91	Kaweah River near Three Rivers, Calif -----	520	1903-56-----	52,000	Dec. 23	22.24	80,700	155
92	Lime Kiln Creek near Lemon Cove, Calif -----	-----	-----	-----	Dec. 23	-----	6,070	-----
93	Sand Creek near Orange Cove, Calif -----	32	1944-54-----	446	Dec. 23	4.81	749	23
94	Kings River above North Fork, Calif -----	956	1927-28; 1931-56-----	44,000	Dec. 23	16.26	59,100	61.8
95	North Fork Kings River near Cliff Camp, Calif -----	174	1921-56-----	14,000	Dec. 23	18.80	11,900	68.4
96	Kings River below North Fork, Calif -----	1,350	1951-56-----	20,300	Dec. 23	23.08	85,200	63.2
97	Big Creek above Pine Flat Reservoir, Calif -----	69.2	1953-56-----	1,400	Dec. 23	9.21	10,400	150
98	Sycamore Creek above Pine Flat Reservoir, Calif -----	56.5	1953-56-----	1,000	Dec. 24	9.78	6,760	120
99	Pine Flat Reservoir near Piedra, Calif -----	1,542	1951-56-----	¹ 835.20	Jan. 31	89.0.18	-----	-----
100	Kings River below Pine Flat Dam, Calif -----	1,542	1954-56-----	⁶ 2,260	Jan. 31	2.57	⁶ 248	-----
101	Kings River at Piedra, Calif -----	1,694	1895-56-----	91,000	Dec. 23	8.89	⁹ 9,390	6.53
102	Warthan Creek near Coalinga, Calif -----	112	-----	-----	Dec. 23	-----	783	6.99
103	Los Gatos Creek above Nunez Canyon near Coalinga, Calif -----	95.5	1949-56-----	1,250	Dec. 23	3.09	592	6.20
<u>San Joaquin River Basin</u>								
104	South Fork San Joaquin River near Florence Lake, Calif -----	171	1921-56-----	⁶ 4,320	Dec. 23	9.23	⁶ 13	.08
105	Bear Creek near Vermillion Valley, Calif -----	53.5	1921-56-----	1,530	Dec. 23	6.62	1,330	24.8
106	Mono Creek near Vermillion Valley, Calif -----	92.0	1921-56-----	1,760	Dec. 23	6.25	⁶ 372	4.04
107	San Joaquin River above Big Creek, Calif -----	1,042	1922-56-----	⁶ 52,500	Dec. 23	24.75	⁶ 63,000	60.5
108	Big Creek below Huntington Lake, Calif -----	80.0	1925-56-----	⁶ 2,040	Dec. 23	3.15	⁶ 45	.56
109	Pitman Creek below Tamarack Creek, Calif -----	22.0	1927-56-----	3,220	Dec. 23	11.20	3,670	167
110	San Joaquin River above Willow Creek, near Auberry, Calif -----	1,299	1951-56-----	⁶ 15,100	Dec. 23	54.2	⁶ 73,200	56.4
111	North Fork Willow Creek near Bass Lake, Calif -----	50.8	1940-56-----	⁶ 847	Jan. 4	5.28	⁶ 660	13.0
112	Willow Creek at mouth, near Auberry, Calif -----	130	1952-56-----	⁶ 1,380	Dec. 23	28.5	⁶ 12,000	9.25
113	San Joaquin River below Kerckhoff powerhouse, Calif -----	1,480	1936-37; 1942-56-----	⁶ 75,000	Dec. 23	51.0	⁶ 92,200	62.3
114	Fine Gold Creek near Friant, Calif -----	92.8	1936-56-----	10,300	Dec. 23	17.94	7,450	80.2
115	Millerton Lake at Friant, Calif -----	1,633	1941-56-----	¹ 577.34	Dec. 28	567.41	-----	-----
116	San Joaquin River below Friant, Calif -----	1,675	1909-56-----	⁶ 77,200	Dec. 26	8.66	⁶ 4,440	3.84
117	Little Dry Creek near Friant, Calif -----	58	1941-56-----	1,810	Dec. 24	6.70	1,460	25
118	San Joaquin River near Biola, Calif -----	1,805	1952-56-----	⁶ 2,240	Dec. 27	10.52	⁶ 7,240	4.00
119	Panoche Creek below Silver Creek near Panoche, Calif -----	299	1949-53-----	3,160	Dec. 23	5.55	1,890	6.33
120	Fresno River near Knowles, Calif -----	132	1911-13; 1915-56-----	8,540	Dec. 23	11.52	13,300	101
121	Fresno River near Daulton, Calif -----	270	1941-56-----	10,700	Dec. 23	11.64	17,500	64.8
122	Chowchilla River at Buchanan dam site, Calif -----	238	1921-23; 1930-56-----	22,500	Dec. 23	16.50	30,000	126
123	Salt Slough near Los Banos, Calif -----	-----	1940-56-----	1,400	Dec. 27	6.35	545	-----
124	San Joaquin River at Fremont Ford Bridge, Calif -----	8,090	1944-56-----	^h 4,470	Dec. 29	69.86	^h 4,600	.57
125	Los Banos Creek near Los Banos, Calif -----	-----	-----	-----	Dec. 23	11.07	11,400	-----
126	San Luis Creek near Los Banos, Calif -----	84.7	1949-53-----	2,760	Dec. 23	7.07	2,640	31.1
127	Merced River at Happy Isles Bridge near Yosemite, Calif -----	181	1915-56-----	9,260	Dec. 23	12.73	9,860	54.5
128	Tenaya Creek near Yosemite, Calif -----	47	1904-09; 1912-56-----	6,330	Dec. 23	8.14	6,070	129
129	Merced River at Pohono Bridge near Yosemite, Calif -----	321	1916-56-----	23,000	Dec. 23	21.52	23,600	73.5
130	Merced River at Bagby, Calif -----	912	1922-56-----	83,000	Dec. 23	26.80	92,500	101
131	Lake McClure at Exchequer, Calif -----	1,020	1926-56-----	¹ 710.5	Dec. 27	706.1	-----	-----
132	Merced River at Exchequer, Calif -----	1,035	1915-56-----	⁶ 46,200	Dec. 27	11.00	⁶ 10,200	9.83
133	Merced River near Stevenson, Calif -----	1,274	1940-56-----	⁶ 13,600	Dec. 28	18.10	⁶ 11,200	8.79
134	Merced River Slough near Newman, Calif -----	-----	1941-56-----	6,410	Dec. 28	10.91	4,100	-----
135	San Joaquin River near Newman, Calif -----	9,990	1912-56-----	⁶ 33,000	Dec. 29	17.05	⁶ 16,800	1.68
136	Orestimba Creek near Newman, Calif -----	135	1932-56-----	4,900	Dec. 23	5.18	5,620	41.7
137	Falls Creek near Hetch Hetchy, Calif -----	45.2	1915-56-----	6,660	Dec. 23	9.00	6,660	147
138	Tuolumne River near Hetch Hetchy, Calif -----	462	1914-56-----	⁶ 12,900	Dec. 22	6.07	⁶ 732	1.58
139	Eleanor Creek near Hetch Hetchy, Calif -----	80	1901; 1909-56-----	⁶ 11,700	Dec. 23	14.80	⁶ 11,500	144
140	South Fork Tuolumne River near Oakland Recreation Camp, Calif -----	87.6	1925-56-----	6,950	Dec. 23	8.70	11,900	136
141	Middle Fork Tuolumne River at Oakland Recreation Camp, Calif -----	71.0	1916-56-----	2,910	Dec. 23	11.1	4,280	69.3
142	Woods Creek near Jacksonville, Calif -----	98.4	1925-56-----	13,500	Dec. 23	14.66	14,400	146
143	Tuolumne River above La Grange Dam, near La Grange, Calif -----	1,540	1915-56-----	⁶ 61,000	Dec. 24	34.00	⁶ 41,700	27.1
144	Tuolumne River at Modesto, Calif -----	-----	1943-56-----	⁶ 57,000	Dec. 25	66.43	⁶ 37,600	-----
145	Middle Fork Stanislaus River at Kennedy Meadows, Calif -----	49.5	1938-56-----	⁶ 1,700	Dec. 23	6.51	⁶ 1,480	29.9
146	Clark Fork Stanislaus River near Dardanelle, Calif -----	65.7	1950-56-----	4,350	Dec. 23	10.54	3,340	50.8
147	Middle Fork Stanislaus River at Hells Half Acre Bridge, Calif -----	-----	1956-----	-----	Dec. 23	17.72	26,600	-----
148	Middle Fork Stanislaus River at Sand Bar Flat, near Avery, Calif -----	318	1905-56-----	26,500	Dec. 23	20.2	27,500	86.5

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq. mi.
<u>San Joaquin River Basin--Continued</u>								
149	North Fork Stanislaus River near Avery, Calif -----	163	1914-22; 1928-56-----	^e 31,100	Dec. 23	14.23	32,000	196
150	South Fork Stanislaus River at Strawberry, Calif -----	45.5	1911-17; 1938-56-----	^e 3,900	Dec. 23	7.03	^e 2,150	47.3
151	South Fork Stanislaus River near Long Barn, Calif -----	67.2	1937-56-----	^e 4,900	Dec. 23	8.0	^e 2,700	40.2
152	Stanislaus River below Melones powerhouse, Calif -----	898	1931-56-----	^e 49,500	Dec. 23	29.0	^e 62,800	69.9
153	Stanislaus River at Goodwin Dam, near Knights Ferry, Calif -----				Dec. 23		^e 62,900	
154	Stanislaus River at Ripon, Calif -----		1940-56-----	^e 48,500	Dec. 24	63.25	^e 62,500	
155	San Joaquin River near Vernalis, Calif -----	14,010	1922-56-----	^e 79,700	Dec. 25	26.89	^e 50,900	3.63
156	Duck Creek near Farmington, Calif -----				Dec. 22	6.60	940	
157	San Domingo Creek near San Andreas, Calif -----	27.1	1950-56-----	928	Dec. 23	8.24	2,830	104
158	San Antonio Creek near San Andreas, Calif -----	46.6	1950-56-----	1,220	Dec. 23	5.66	2,500	53.7
159	South Fork Calaveras River near San Andreas, Calif -----	118	1950-56-----	4,590	Dec. 23	10.29	17,600	149
160	Calaveritas Creek near San Andreas, Calif -----	53.3	1950-56-----	3,800	Dec. 23	6.33	3,900	71.3
161	Esperanza Creek near Mokelumne Hill, Calif -----	16.7	1951-56-----	^c 2,030	Dec. 23	6.78	2,900	168
162	Jesus Maria Creek near Mokelumne Hill, Calif -----	34.7	1950-56-----	4,380	Dec. 23	7.63	5,500	159
163	North Fork Calaveras River near San Andreas, Calif -----	85.7	1950-56-----	3,500	Dec. 23	12.52	6,200	72.4
164	Murray Creek near San Andreas, Calif -----	23.5	1950-56-----	960	Dec. 23	6.62	1,700	72.4
165	Cosgrove Creek near Valley Springs, Calif -----	20.6	1929-56-----	3,180	Dec. 23	8.96	3,240	157
166	Calaveras River at Jenny Lind, Calif -----	395	1907-56-----	50,000	Dec. 23	15.44	^e 14,200	35.9
167	Bear Creek near Locke Ford, Calif -----	48.4	1830-33; 1945-56-----	2,260	Dec. 23	13.48	1,840	38.0
168	North Fork Mokelumne River below Salt Springs Dam, Calif -----	160	1928-56-----	^e 16,000	Jan. 5	4.99	^e 856	5.35
169	Cold Creek near Mokelumne Peak, Calif -----	23	1927-42; 1943-56-----	5,600	Dec. 23	9.00	4,670	203
170	Bear River near Salt Springs Dam, Calif -----	48	1951-56-----	^e 1,640	Dec. 23	4.00	^e 1,520	32
171	Middle Fork Mokelumne River at West Point, Calif -----	67.2	1911-56-----	2,820	Dec. 23	8.98	4,300	64.0
172	South Fork Mokelumne River near West Point, Calif -----	73.8	1933-56-----	3,760	Dec. 23	14.8	6,920	93.8
173	Mokelumne River near Mokelumne Hill, Calif -----	538	1927-56-----	^e 33,700	Dec. 23	15.42	^e 23,500	43.7
174	Mokelumne River at Lancha Plana, Calif -----	584	1926-56-----	^e 26,700	Dec. 23	19.15	^e 24,600	42.1
175	Mokelumne River near Clements, Calif -----	530	1904-51; 1955-56-----	^e 28,800	Dec. 24	23.85	^e 27,300	43.3
176	Mokelumne River at Woodbridge, Calif -----	644	1924-56-----	^e 27,000	Dec. 24	29.00	^e 23,000	35.7
177	North Fork Cosumnes River at Cosumnes Mine, Calif -----	36.9	1948-53-----	3,940	Dec. 23	11.53	6,160	167
178	Camp Creek near Camino, Calif -----	33.0	1948-56-----	2,560	Dec. 23	6.28	3,400	103
179	Camp Creek near Somerset, Calif -----		1954-56-----	126	Dec. 23	12.48	5,900	
180	North Fork Cosumnes River near El Dorado, Calif -----	202	1911-41; 1948-56-----	10,900	Dec. 23	14.8	15,800	78.2
181	Cosumnes River at Michigan Bar, Calif -----	537	1907-56-----	27,600	Dec. 23	14.59	42,000	78.2
182	Deer Creek near Sloughhouse, Calif -----				Dec. 22		4,460	
183	Cosumnes River at McConnell, Calif -----	730	1943-56-----	21,900	Dec. 23	46.26	54,000	73.8
184	Dry Creek near Galt, Calif -----	325	1926-33; 1944-56-----	13,200	Dec. 24	14.56	15,500	47.7
185	Marsh Creek near Byron, Calif -----	42.5	1953-56-----	32	Dec. 23	12.98	3,800	89.4
186	Kellogg Creek near Byron, Calif -----	24.1			Dec. 23		1,310	54.3
<u>Goose Lake Basin</u>								
187	Drew Creek near Lakeview, Oreg -----	211	1909-56-----	3,000	Jan. 31	4.08	^e 483	2.29
<u>Sacramento River Basin</u>								
188	Sacramento River at Delta, Calif -----	427	1944-56-----	30,600	Dec. 22	19.50	37,000	86.6
189	South Fork Pit River near Likely, Calif -----	248	1928-56-----	^e 1,060	Dec. 23	3.30	^e 238	.96
190	Pit River near Canby, Calif -----	1,430	1904-05; 1929-56-----	^e 17,000	Dec. 23	8.45	^e 4,320	3.02
191	Pit River near Bieber, Calif -----	2,970	1904-08; 1913-14; 1921-26; 1928-31; 1951-56-----	^e 33,800	Dec. 24	10.77	^e 11,700	3.95
192	Hat Creek near Hat Creek, Calif -----	^f 155	1926-56-----	2,500	Dec. 23	5.06	1,050	6.78
193	Pit River below Pit No. 4 Dam, Calif -----	4,860	1927-56-----	^e 30,200	Dec. 23	14.35	^e 17,200	3.54
194	Pit River at Big Bend, Calif -----	4,920	1910-56-----	^e 34,200	Dec. 23	13.5	^e 16,700	3.39
195	Pit River near Montgomery Creek, Calif -----	5,170	1944-56-----	^e 21,300	Dec. 23	14.12	^e 37,100	7.18
196	Squaw Creek above Shasta Lake, Calif -----	65.3	1944-56-----	11,200	Dec. 21	21.90	17,800	273
197	McCloud River above Shasta Lake, Calif -----	606	1945-56-----	19,300	Dec. 22	28.20	45,200	74.5
198	Shasta Lake near Redding, Calif -----	6,665	1942-56-----	ⁱ 1,065,4	Dec. 26	1,033.28		
199	Sacramento River at Keswick, Calif -----	6,710	1938-56-----	186,000	Dec. 28	26.90	^e 51,200	7.63
200	Clear Creek at French Gulch, Calif -----	115	1950-56-----	4,140	Dec. 22	10.49	7,050	61.3
201	Clear Creek near Igo, Calif -----	228	1940-56-----	21,500	Dec. 21	13.75	24,500	107
202	Little Cow Creek at Palo Cedro, Calif -----	148	1911-14-----		Jan. 15		13,700	92.7
203	Cow Creek near Millville, Calif -----	427	1949-56-----	45,200	Jan. 15	19.06	33,000	77.2
204	North Fork Cottonwood Creek near Ono, Calif -----				Dec. 22		12,100	
205	Dry Creek near Cottonwood, Calif -----				Dec. 22		8,180	
206	Battle Creek near Cottonwood, Calif -----	362	1940-56-----	^c 35,000	Jan. 14	10.32	8,540	23.5
207	Paynes Creek near Red Bluff, Calif -----	92.5	1949-56-----	4,060	Dec. 19	8.77	5,000	54.0
208	Sacramento River near Red Bluff, Calif -----	9,300	1895-1956-----	291,000	Jan. 15	22.30	^e 115,000	12.4
209	Red Bank Creek above Last Chance Creek near Red Bluff, Calif -----						2,990	
210	Salt Creek near Red Bluff, Calif -----						3,160	

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq mi
<u>Sacramento River Basin--Continued</u>								
211	Antelope Creek near Red Bluff, Calif	124	1940-56	10,400	Dec. 19	11.78	8,510	68.6
212	Little Antelope Creek near Red Bluff, Calif						3,410	
213	Mill Creek near Los Molinos, Calif	134	1928-56	23,000	Dec. 22	12.25	10,300	76.9
214	Elder Creek near Paskenta, Calif	95.8	1948-56	7,160	Dec. 21	12.52	11,600	121
215	Elder Creek at Garber, Calif	142	1949-56	7,690	Dec. 22	13.38	10,400	73.2
216	Thomas Creek at Paskenta, Calif	188	1921-56	18,600	Dec. 21	12.14	23,500	125
217	Dear Creek near Vina, Calif	200	1911-15; 1920-37; 1939-56	23,800	Dec. 22	12.78	13,000	65.0
218	Pine Creek near Chico, Calif				Jan. --		2,130	
219	Mud Creek near Chico, Calif				Dec. 23		1,890	
220	Big Chico Creek near Chico, Calif	68.3	1930-56	8,260	Dec. 22	14.94	7,150	105
221	Lindo Channel of Big Chico Creek at Chico, Calif				Dec. 22		6,220	
222	Little Chico Creek near Chico, Calif						1,680	
223	Stony Creek near Stonyford, Calif	97	1913-14; 1918-34		Dec. 22		13,000	134
224	Stony Creek at Black Butte dam site, Calif		1955-56		Dec. 22	11.33	19,300	
225	Stony Creek near Hamilton City, Calif	764	1941-56	^e 37,500	Dec. 22	15.96	^e 22,100	29.0
226	Sacramento River at Butte City, Calif		1940-56	170,000	Jan. 16	94.66	^e 157,000	
227	Sacramento River at Colusa, Calif		1940-56	^e 49,000	Jan. 17	66.90	^e 43,200	
228	Butte Creek near Chico, Calif	148	1930-56	17,000	Dec. 22	13.35	14,200	95.8
229	Dry Creek near Oroville, Calif						2,120	
230	Big Grizzly Creek near Portola, Calif	44.6	1925-33; 1950-53; 1954-56	2,580	Dec. 22	8.35	2,170	48.7
231	Middle Fork Feather River near Cloo, Calif	698	1925-56	11,000	Dec. 23	15.77	16,000	22.9
232	Middle Fork Feather River below Sloat, Calif	836	1940-56	13,300	Dec. 23	19.25	31,200	37.3
233	Middle Fork Feather River near Merrimac, Calif	1,078	1951-56	^c 34,300	Dec. 23	21.2	62,000	57.5
234	Lost Creek near Clipper Mills, Calif	30.1	1927-41; 1948-56	3,380	Dec. 22	6.90	3,500	116
235	South Fork Feather River at Enterprise, Calif	134	1911-56	17,300	Dec. 22	21.6	19,200	143
236	Feather River at Bidwell Bar, Calif	1,353	1911-56	93,000	Dec. 23	25.2	104,000	76.8
237	North Fork Feather River near Prattville, Calif	507	1905-56	^e 10,000	Dec. 23	1.65	^e 18	.36
238	Butt Creek above Almanor-Butt Creek tunnel, near Prattville, Calif	67.0	1936-37; 1938-56	1,600	Dec. 22	5.16	2,200	32.8
239	Butt Creek below Almanor-Butt Creek tunnel, near Prattville, Calif	67.3	1938-56	2,170	Dec. 22	4.29	2,100	31.2
240	Spanish Creek at Keddle, Calif	184	1911-56	12,400	Dec. 23	12.47	13,100	71.3
241	North Fork Feather River at Big Bar, Calif	1,945	1911-30; 1931-37; 1939-56	^e 66,900	Dec. 23	30.6	^e 72,000	37.0
242	Concow Creek near Yankee Hill, Calif	14.7	1927-52	2,260	Dec. --		2,300	156
243	West Branch Feather River near Yankee Hill, Calif	145	1930-56	^e 21,400	Dec. 23	30.6	^e 21,800	150
244	Feather River near Oroville, Calif	3,611	1902-56	^e 230,000	Dec. 23	76.61	^e 203,000	56.2
245	South Honout Creek near Bangor, Calif	30.5	1950-56	3,170	Dec. 23	11.15	6,340	208
246	Middle Yuba River at Milton, Calif	39.5	1925-34; 1935-56	6,800	Dec. 23	4.15	6,680	169
247	Middle Yuba River above Oregon Creek, Calif	162	1941-56	19,500	Dec. 22	17.25	16,000	160
248	Oregon Creek near North San Juan, Calif	34.4	1910-56	4,000	Dec. 22	11.9	5,390	157
249	North Yuba River near Sierra City, Calif	91.8	1911-13; 1923-44	9,800	Dec. 23		11,400	124
250	Rock Creek at Goodyears Bar, Calif						(1,570)	
251	Woodruff Creek at Goodyears Bar, Calif		1910-33	1,600	Dec. 23		(786)	262
252	North Yuba River below Goodyears Bar, Calif	245	1930-37; 1938-56	26,400	Dec. 23	19.3	26,800	109
253	North Yuba River below Bullards Bar Dam, Calif	482	1940-56	47,100	Dec. 22	39.0	72,000	149
254	South Yuba River near Cisco, Calif	51.5	1942-56	11,700	Dec. 23	14.84	10,200	198
255	Bowman Lake near Graniteville, Calif	29.4	1926-56	ⁱ 5,565.9	Jan. 30	5,568.0		
256	Canyon Creek below Bowman Lake, Calif	30.4	1927-56	^e 2,520	Dec. 22	3.10	^e 180	
257	Yuba River at Englebright Dam, Calif	1,104	1941-56	^e 109,000	Dec. 23	17.73	^e 148,000	134
258	Deer Creek near Smartville, Calif	84.6	1936-56	^e 11,300	Dec. 23	13.60	^e 11,300	134
259	Dry Creek near Brownsville, Calif	20.4	1948-56	1,190	Dec. 22	7.48	1,890	92.7
260	Dry Creek at Virginia Ranch, Calif	71.3	1948-56	7,400	Dec. 22	9.85	9,120	128
261	Bear River near Auburn, Calif	140	1940-56	^e 19,300	Dec. 22	16.56	^e 18,900	135
262	Bear River near Wheatland, Calif	295	1928-56	^e 31,300	Dec. 22	19.30	^e 33,000	112
263	Dry Creek near Cabbage Patch, Calif				Dec. 23		^e 13,900	
264	Dry Creek near Wheatland, Calif	99.5	1946-56	5,610	Dec. 23	13.45	8,790	88.3
265	Yankee Slough near Rio Oso, Calif				Dec. 23		2,200	
266	Sacramento River at Verona, Calif		1929-56	^{ek} 79,200	Dec. 23	39.81	^e 70,400	
267	Sacramento weir near Sacramento, Calif		1950-56	^e 118,000	Dec. 23		61,000	
268	North Fork American River at North Fork Dam, Calif	343	1941-56	46,600	Dec. 23	10.14	48,300	141
269	Rubicon River near Georgetown, Calif	198	1909-14; 1943-56	44,600	Dec. 23	18.76	51,000	258
270	Pilot Creek near Georgetown, Calif	15.1	1910-14; 1946-56	3,040	Dec. 23	8.06	3,040	201
271	Middle Fork American River near Auburn, Calif	619	1911-56	68,500	Dec. 23	33.9	79,000	128
272	South Fork American River near Kyburz, Calif	196	1907; 1923-56	^e 14,500	Dec. 23	9.25	^e 13,800	70.4
273	Alder Creek near Whitehall, Calif	22.8	1922-56	^f 3,700	Dec. 23	8.40	5,500	241

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq mi
<u>Sacramento River Basin--Continued</u>								
274	Flum Creek near Riverton, Calif -----	6.8	1922-39-----	635	Dec. 23	-----	1,400	206
275	Silver Creek at Union Valley, Calif -----	82.7	1924-56-----	12,100	Dec. 23	18.85	15,800	191
276	South Fork Silver Creek near Ice House, Calif -----	28.4	1924-56-----	3,900	Dec. 23	6.71	3,950	139
277	Silver Creek near Placerville, Calif -----	176	1921-56-----	25,800	Dec. 23	15.9	39,000	222
278	South Fork American River near Camino, Calif -----	479	1922-56-----	^e 46,000	Dec. 23	32.6	^e 56,000	113
279	South Fork American River near Lotus, Calif -----	678	1951-56-----	^{ce} 52,200	Dec. 23	21.37	^e 71,800	106
280	Webber Creek near Salmon Falls, Calif -----	100	1943-56-----	6,740	Dec. 23	15.92	11,800	118
281	Folsom Reservoir near Folsom, Calif -----	-----	1953-56-----	-----	Dec. 24	455.16	-----	-----
282	American River at Fair Oaks, Calif -----	1,921	1904-56-----	^e 180,000	Dec. 24	20.35	^e 68,000	35.4
283	American River at Sacramento, Calif -----	-----	1943-56-----	^e 176,000	Dec. 24	-----	^e 71,000	-----
284	Sacramento River at Sacramento, Calif -----	-----	1948-56-----	^e 104,000	Dec. 23	28.67	^e 98,000	-----
285	Elder Creek near Sacramento, Calif -----	-----	-----	-----	Dec. 22	-----	860	-----
286	Middle Creek near Upper Lake, Calif -----	46	-----	-----	Dec. 21	9.65	5,600	122
287	Clover Creek near Upper Lake, Calif -----	14	-----	-----	Dec. 21	9.45	2,280	163
288	Scotts Creek near Upper Lake, Calif -----	54	-----	-----	Dec. 22	17.0	7,660	142
289	Adobe Creek near Kelseyville, Calif -----	6.39	1954-56-----	-----	Dec. 21	8.72	1,250	196
290	Highland Creek near Kelseyville, Calif -----	12.4	1954-56-----	-----	Dec. 19	10.92	1,820	147
291	Kelsey Creek near Kelseyville, Calif -----	37.4	1946-56-----	8,150	Dec. 21	12.80	8,800	235
292	Cache Creek near Lower Lake, Calif -----	528	1944-56-----	5,750	Dec. 27	8.28	4,670	88.5
293	North Fork Cache Creek near Lower Lake, Calif -----	198	1930-56-----	20,300	Dec. 22	12.06	14,400	72.8
294	Cache Creek near Capay, Calif -----	1,052	1942-56-----	23,000	Dec. 22	17.54	23,000	21.8
295	Cache Creek at Yolo, Calif -----	1,137	1903-56-----	38,700	Dec. 22	28.63	22,500	19.8
296	Yolo bypass near Woodland, Calif -----	-----	1940-56-----	272,000	Dec. 23	31.6	250,000	-----
297	Putah Creek near Guenoc, Calif -----	112	1904-06; 1930-56-----	32,000	Dec. 20	21.80	29,200	261
298	Putah Creek near Winters, Calif -----	577	1930-56-----	81,000	Dec. 22	26.73	^e 55,400	95.8
299	Putah Creek near Davis, Calif -----	636	1948-56-----	39,000	Dec. 22	24.35	^e 46,500	73.1
300	Ulatis Creek near Vacaville, Calif -----	-----	-----	-----	Dec. --	-----	^a 972	-----
<u>Napa River Basin</u>								
301	Napa River near St. Helena, Calif -----	81.3	1929-32; 1939-56-----	11,800	Dec. 22	15.17	12,600	155
302	Conn Creek near St. Helena, Calif -----	52.3	1929-56-----	^e 7,700	Dec. 23	3.70	^e 3,600	68.8
303	Dry Creek near Napa, Calif -----	17.4	1951-56-----	2,380	Dec. 19	7.25	2,640	152
<u>Sonoma Creek Basin</u>								
304	Sonoma Creek at Boyes Hot Springs, Calif -----	62.7	1955-56-----	-----	Dec. 22	17.1	8,880	142
<u>Petaluma Creek Basin</u>								
305	Petaluma Creek near Petaluma, Calif -----	29.6	1948-56-----	1,360	Dec. 22	13.55	1,860	62.8
<u>Novato Creek Basin</u>								
306	Novato Creek near Novato, Calif -----	16.9	1946-56-----	1,130	Dec. 22	7.88	^e 1,120	66.3
<u>Corte Madera Creek Basin</u>								
307	Corte Madera Creek at Ross, Calif -----	18.3	1951-56-----	3,300	Dec. 22	17.45	3,620	198
<u>Lagunitas Creek Basin</u>								
308	Arroyo Nicasio near Point Reyes Station, Calif -----	36.2	1953-56-----	7,630	Dec. 22	14.57	9,010	249
<u>Walker Creek Basin</u>								
309	North Fork Walker Creek near Tomales, Calif -----	19.9	-----	-----	Dec. 22	-----	2,720	137
<u>Russian River Basin</u>								
310	Russian River near Ukiah, Calif -----	104	1911-13; 1952-56-----	13,600	Dec. 21	19.0	18,900	182
311	East Fork Russian River near Calpella, Calif -----	94.0	1941-56-----	11,300	Dec. 21	15.06	13,300	141
312	East Fork Russian River near Ukiah, Calif -----	104	1911-13; 1951-56-----	10,300	Dec. 21	16.86	13,300	128
313	Russian River near Hopland, Calif -----	362	1939-56-----	34,100	Dec. 22	27.00	59,400	164
314	Feliz Creek near Hopland, Calif -----	31.2	-----	-----	Dec. 21	-----	2,710	86.9
315	Big Sulphur Creek near Cloverdale, Calif -----	81.7	-----	-----	Dec. 22	-----	20,000	245
316	Russian River near Cloverdale, Calif -----	502	1951-56-----	33,300	Dec. 22	30.9	62,000	124
317	Franz Creek near Kellogg, Calif -----	14.4	-----	-----	Dec. 22	-----	4,130	287
318	Russian River near Healdsburg, Calif -----	791	1939-56-----	67,000	Dec. 22	26.16	65,400	82.7
319	Dry Creek near Cloverdale, Calif -----	88.3	1941-56-----	21,900	Dec. 22	17.80	17,600	199
320	Dry Creek near Healdsburg, Calif -----	131	-----	-----	Dec. 22	-----	28,900	220
321	Mark West Creek near Windsor, Calif -----	49	-----	-----	Dec. 22	-----	11,000	204
322	Santa Rosa Creek at Santa Rosa, Calif -----	53	-----	-----	Dec. 21	-----	7,940	140
323	Russian River near Guerneville, Calif -----	1,342	1939-56-----	88,400	Dec. 23	49.7	90,100	67.1
<u>Gualala River Basin</u>								
324	South Fork Gualala River near Annapolis, Calif -----	161	1950-56-----	35,900	Dec. 22	24.55	55,000	342
<u>Garcia River Basin</u>								
325	Garcia River near Point Arena, Calif -----	98.2	-----	-----	Dec. 22	20.75	26,300	268

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States—Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955–January 1956		Discharge	
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq mi.
<u>Alder Creek Basin</u>								
326	Alder Creek near Manchester, Calif	26.6	-----	-----	Dec. 22	-----	5,030	189
<u>Navarro River Basin</u>								
327	Navarro River near Navarro, Calif	304	1950-56	26,600	Dec. 22	40.60	64,600	212
<u>Big River Basin</u>								
328	Big River near Mendocino, Calif	152	-----	-----	Dec. 22	31.9	31,300	206
<u>Noyo River Basin</u>								
329	Noyo River near Fort Bragg, Calif	106	1961-56	16,000	Dec. 22	26.69	27,600	263
330	Pudding Creek near Fort Bragg, Calif	11.8	-----	-----	Dec. 23	-----	1,940	164
<u>Mattole River Basin</u>								
331	Mattole River near Petrolia, Calif	240	1911-13; 1960-56	48,000	Dec. 21	29.60	90,400	377
332	North Fork Mattole River at Petrolia, Calif	37.6	1961-56	-----	Dec. 21	10.6	9,600	256
<u>Eel River Basin</u>								
333	Eel River below Scott Dam, near Potter Valley, Calif	289	1922-56	41,100	Dec. 22	21.8	40,000	138
334	Eel River below Van Aradale Dam, near Potter Valley, Calif	347	1909-56	^f 40,000	Dec. 22	31.4	48,600	140
335	Outlet Creek near Laytonville, Calif	101	-----	-----	Dec. 23	-----	23,100	229
336	Eel River above Dos Rios, Calif	703	1950-56	55,000	Dec. 22	45.4	123,000	176
337	Black Butte River near Covelo, Calif	161	-----	-----	Dec. 21	36.8	25,000	165
338	Middle Fork Eel River below Black Butte River, near Covelo, Calif	367	1961-56	41,100	Dec. 21	25.0	89,100	243
339	Short Creek near Covelo, Calif	17.4	-----	-----	Dec. 21	-----	3,780	217
340	Eel River below Dos Rios, Calif	1,481	1911-13; 1951-56	96,400	Dec. 22	49.86	283,000	191
341	North Fork Eel River near Mina, Calif	261	1953-56	23,200	Dec. 22	24.00	58,400	233
342	Eel River at Alderpoint, Calif	2,079	1955-56	-----	Dec. 22	72.6	332,000	160
343	South Fork Eel River near Branscomb, Calif	43.8	1946-56	7,120	Dec. 22	16.20	20,100	459
344	Tennile Creek near Laytonville, Calif	50.3	-----	-----	Dec. 22	-----	16,300	324
345	South Fork Eel River near Miranda, Calif	547	1940-56	73,200	Dec. 22	42.7	173,000	316
346	Eel River at Scotia, Calif	3,070	1910-16; 1916-56	345,000	Dec. 22	61.9	541,000	176
347	Van Duzen River near Dinsmores, Calif	80.2	1963-56	14,000	Dec. 22	19.26	21,400	267
348	South Fork Van Duzen River near Bridgeville, Calif	36.2	-----	-----	-----	11.91	8,990	248
349	Van Duzen River near Bridgeville, Calif	214	1950-56	26,200	Dec. 22	21.3	43,600	203
<u>Jacoby Creek Basin</u>								
350	Jacoby Creek near Freshwater, Calif	6.07	1954-56	-----	Dec. 21	6.75	1,490	246
<u>Mad River Basin</u>								
351	Mad River near Forest Glen, Calif	139	1963-56	13,800	Dec. 22	23.6	39,200	282
352	North Fork Mad River at Korbelt, Calif	46.9	-----	-----	Dec. 22	-----	11,600	247
353	Mad River near Mcata, Calif	486	1910-13; 1950-56	76,000	Dec. 22	27.30	77,800	160
<u>Little River Basin</u>								
354	Little River at Crannell, Calif	44.3	1966-56	-----	Dec. 22	9.63	8,480	191
<u>Redwood Creek Basin</u>								
356	Redwood Creek near Blue Lake, Calif	67.6	1953-56	8,310	Dec. 21	13.68	8,440	126
356	Redwood Creek at Orick, Calif	278	1911-13; 1963-56	60,000	Dec. 22	23.96	60,000	180
<u>Lower Klamath Lake Basin</u>								
367	Antelope Creek near Tennant, Calif	18.8	1962-56	194	Dec. 22	3.88	205	10.9
368	Butte Creek near Macdoel, Calif	178	1961-56	156	Dec. 23	4.90	336	1.88
<u>Klamath River Basin</u>								
369	Williamson River near Klamath Agency, Oreg	1,290	1908-10; 1954-56	¹ 1,590	Dec. 23	5.65	1,130	.88
360	Sprague River near Beatty, Oreg	513	1912-26; 1963-56	^c 2,080	Dec. 23	9.44	3,340	6.62
361	Sprague River near Chiloquin, Oreg	1,680	1920-56	6,660	Dec. 25	6.67	5,430	3.44
362	Williamson River below Sprague River, near Chiloquin, Oreg	3,000	1917-56	7,660	Dec. 25	6.78	6,430	2.14
363	Upper Klamath Lake near Klamath Falls, Oreg	3,810	1904-56	ⁱ 4,144.9	Jan. 22	4,142.68	^F 528,000	-----
364	Link River at Klamath Falls, Oreg	ⁿ 3,810	1904-56	^e 9,400	Jan. 4	3.74	^e 5,490	1.44
366	Klamath River at Keno, Oreg	ⁿ 3,920	1904-13; 1930-56	^e 6,830	Dec. 26	10.26	^e 6,100	1.56
366	Fall Creek at Copco, Calif	20	1928-56	360	Dec. 22	4.35	876	43.8
367	Klamath River below Fall Creek, near Copco, Calif	4,370	1923-56	^e 9,660	Dec. 21	8.16	^e 11,400	2.61
368	Keene Creek at Hyatt Prairie, near Ashland, Oreg	11	1917-22; 1948-56	^o 751	Dec. 22	24.2	^e 8.1	.74
369	Shasta River near Montague, Calif	667	1911-13; 1916-33	-----	Dec. 22	-----	4,870	7.30
370	Little Shasta River near Little Shasta, Calif	-----	-----	-----	Dec. 22	-----	1,430	-----
371	Shasta River near Yreka, Calif	796	1933-41; 1944-56	ⁱ 6,900	Dec. 22	9.43	6,090	7.66
372	Beaver Creek near Walker, Calif	103	-----	-----	-----	4.90	^a 4,120	40.0
373	East Fork Scott River near Callahan, Calif	-----	1913-21	-----	Dec. 22	-----	6,600	-----
374	South Fork Scott River near Callahan, Calif	-----	-----	-----	Dec. 22	-----	3,320	-----
375	Scott River near Fort Jones, Calif	662	1941-56	16,000	Dec. 22	21.4	38,600	58.2

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq ml
<u>Klamath River Basin--Continued</u>								
376	Klamath River near Seiad Valley, Calif -----	6,980	1912-25; 1951-56-----	55,200	Dec. 22	29.2	122,000	17.5
377	South Fork Salmon River near Forks of Salmon, Calif -----	251	-----	-----	Dec. 22	12.2	24,200	96.4
378	Salmon River at Somesbar, Calif -----	746	1911-15; 1927-56-----	¹ 19,23	Dec. 22	28.80	-----	-----
379	Klamath River at Somesbar, Calif -----	8,480	1927-56-----	137,000	Dec. 22	59.4	202,000	23.8
380	Trinity River at Lewiston, Calif -----	724	1911-56-----	40,300	Dec. 22	27.3	71,600	98.9
381	South Fork Trinity River near Hyampom, Calif -----	342	-----	-----	Dec. 22	22.2	^a 39,400	115
382	Hayfork Creek near Hayfork, Calif -----	87.2	-----	-----	Dec. 21	-----	3,880	44.5
383	Hayfork Creek near Hyampom, Calif -----	379	1953-56-----	11,400	Dec. 22	18.00	25,300	66.8
384	South Fork Trinity River near Salyer, Calif -----	899	1950-56-----	38,900	Dec. 22	39.4	74,700	83.1
385	Trinity River near Hoopa, Calif -----	2,840	1911-14; 1916-18; 1931-56-----	124,000	Dec. 22	36.9	190,000	66.9
386	Klamath River near Klamath, Calif -----	12,100	1910-26; 1950-56-----	297,000	Dec. 22	49.7	425,000	35.1
<u>Smith River Basin</u>								
387	South Fork Smith River near Crescent City, Calif -----	295	1954-56-----	-----	Dec. 22	36.95	108,000	366
388	Smith River near Crescent City, Calif -----	613	1931-56-----	152,000	Dec. 22	41.2	165,000	269
389	Rowdy Creek near Smith River, Calif -----	35.0	-----	-----	-----	-----	4,760	136
<u>Spokane River Basin</u>								
390	Spokane River at Spokane, Wash -----	4,290	1891-1956-----	49,000	Dec. 26	25.20	24,500	5.71
391	Latah Creek at Spokane, Wash -----	619	1948-56-----	11,900	Dec. 22	12.16	11,300	18.3
<u>Yakima River Basin</u>								
392	Satus Creek tributary near Toppenish, Wash -----	8.51	-----	756	Dec. 21	-----	970	114
393	Satus Creek below Bull Creek near Toppenish, Wash -----	97.2	-----	-----	Dec. 21	-----	5,990	61.6
<u>Esquatzel Coulee Basin</u>								
394	Providence Coulee at Cunningham, Wash -----	27.8	1953-56-----	-----	Jan. 4	5.26	333	12.0
395	Esquatzel Coulee at Connell, Wash -----	240	1953-56-----	-----	Jan. 4	8.37	1,520	6.33
396	Esquatzel Coulee at Eltopia, Wash -----	394	1953-56-----	0	Jan. 6	6.87	132	.34
<u>Snake River Main Stem</u>								
397	Snake River near Murphy, Idaho-----	41,900	1912; 1913-56-----	47,300	Jan. 17	6.52	15,700	.37
<u>Owyhee River Basin</u>								
398	Jordan Creek above Lone Tree Creek near Jordan Valley, Ore -----	440	1955-56-----	^e 3,250	Dec. 23	7.74	2,130	4.84
399	Owyhee River near Rome, Ore -----	8,000	1949-56-----	27,800	Jan. 16	14.77	24,800	3.10
<u>Boise River Basin</u>								
400	Middle Fork Boise River near Twin Springs, Idaho-----	382	1946-50-----	4,370	Dec. 23	7.10	4,020	10.5
401	Boise River near Twin Springs, Idaho-----	830	1911-56-----	10,300	Dec. 23	8.31	10,300	12.4
402	South Fork Boise River near Featherville, Idaho-----	635	1945-56-----	5,530	Dec. 23	4.53	2,000	3.15
403	Anderson Ranch Reservoir at Anderson Ranch Dam, Idaho-----	980	1945-56-----	^P 470,700	Dec. 26	4,142.36	^P 253,600	-----
404	South Fork Boise River at Anderson Ranch Dam, Idaho-----	982	1943-56-----	9,100	Jan. 16	4.63	^e 1,560	1.59
405	Arrowrock Reservoir at Arrowrock, Idaho-----	2,210	1917-56-----	^P 301,200	Jan. 18	3,217.50	^P 291,200	-----
406	Bannock Creek near Idaho City, Idaho-----	4.5	1939-41; 1950-56-----	39	Dec. 23	1.91	31	6.89
407	Moore Creek above Robie Creek near Arrowrock, Idaho-----	399	1950-56-----	3,620	Dec. 23	9.55	5,440	13.6
408	Robie Creek near Arrowrock, Idaho-----	15.8	1950-56-----	118	Dec. 23	2.67	163	10.3
409	Lucky Peak Reservoir near Boise, Idaho-----	-----	1954-56-----	^P 305,100	Jan. 31	-----	^P 258,300	-----
410	Boise River near Boise, Idaho-----	-----	1895-1916; 1955-56-----	35,500	-----	-----	^q 0	-----
411	Boise River at Notus, Idaho-----	3,820	1920-56-----	20,500	Jan. 23	4.41	2,140	.56
<u>Payette River Basin</u>								
412	South Fork Payette River at Lowman, Idaho-----	456	1941-56-----	5,450	Dec. 22	5.59	3,170	6.95
413	Deadwood Reservoir near Lowman, Idaho-----	108	1935-56-----	ⁱ 5,337.1	Jan. 31	5,300.63	-----	-----
414	Deadwood River below Deadwood Reservoir, near Lowman, Idaho-----	108	1926-56-----	2,580	-----	-----	^q 3	-----
415	Deadwood River near Lowman, Idaho-----	230	1921-53-----	4,230	Dec. 22	3.45	^r 1,470	-----
416	South Fork Payette River near Garden Valley, Idaho-----	779	1921-53-----	10,600	Dec. 22	5.92	6,530	8.38
417	South Fork Payette River near Banks, Idaho-----	1,200	1921-56-----	13,800	Dec. 23	10.87	12,400	10.3
418	Payette Lake at McCall, Idaho-----	144	1921-56-----	ⁱ 8.75	Dec. 26	3.44	-----	-----
419	North Fork Payette River at McCall, Idaho-----	144	1908-17; 1919-56-----	4,260	Dec. 26	3.59	512	3.55
420	Lake Fork Payette River above Jumbo Creek, near McCall, Idaho-----	48.9	1945-56-----	2,600	Dec. 22	7.26	1,030	22.3
421	Lake Fork Reservoir near McCall, Idaho-----	64	1926-56-----	^P 19,740	-----	-----	(s)	-----
422	Lake Fork Payette River below Lake Irrigation District Canal, near McCall, Idaho-----	64	1940-56-----	2,120	Dec. 26	3.86	222	3.47
423	Cascade Reservoir at Cascade, Idaho-----	620	1948-56-----	^P 405,100	Jan. 30	4,809.37	^P 302,800	-----
424	North Fork Payette River at Cascade, Idaho-----	626	1941-56-----	7,330	Dec. 19	2.15	^e 1,210	1.93
425	North Fork Payette River near Banks, Idaho-----	933	1947-56-----	8,830	Dec. 22	11.14	5,400	5.78
426	Porter Creek near Gardena, Idaho-----	21.2	1938-45-----	181	Dec. 22	2.9	140	6.60
427	Payette River near Horseshoe Bend, Idaho-----	2,230	1906-16; 1919-56-----	22,100	Dec. 23	14.05	19,200	8.62
428	Harris Creek near Horseshoe Bend, Idaho-----	-----	-----	-----	Dec. 22	-----	1,240	-----

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955-January 1956			
					Day	Stage (feet)	Discharge	
							cfs	cfs per sq. mi.
<u>Payette River Basin--Continued</u>								
429	Cottonwood Creek near Ola, Idaho				Dec. 22		722	
430	Little Squaw Creek near Ola, Idaho				Dec. 22		1,000	
431	Squaw Creek near Sweet, Idaho				Dec. 22		4,970	
432	Payette River near Emmett, Idaho	2,680	1925-56	22,800	Dec. 22	12.98	22,700	8.48
433	Willow Creek near New Plymouth, Idaho				Jan. 15		1,640	
434	Little Willow Creek New Plymouth, Idaho				Dec. 22		1,050	
435	Payette River near Payette, Idaho	3,240	1935-56	23,400	Dec. 23	12.75	21,900	6.77
<u>Weiser River Basin</u>								
436	Weiser River at Tamarack, Idaho	36.5	1936-56	775	Dec. 22	7.17	1,320	36.2
437	East Fork Weiser River near Starkey, Idaho	31.6	1937-39	400 ⁺	Dec. 22		821	26.0
438	Weiser River at Starkey, Idaho	106	1939-49	2,450	Dec. 22	6.62	2,800	26.4
439	Lost Creek near Tamarack, Idaho	29.4	1910-14; 1920-21; 1924-56	^e 688			^e 5.6	
440	West Fork Weiser River near Fruitvale, Idaho	78	1910-13; 1919-25; 1937-49	1,170	Dec. 22		734	
441	Hornet Creek near Council, Idaho	107	1937-43	1,180	Dec. 22		2,090	19.5
442	Weiser River near Cambridge, Idaho	605	1939-56	ⁱ 670	Dec. 22	13.9	10,100	16.7
443	Rush Creek at Cambridge, Idaho	32	1938-43	582	Dec. 22	5.56	469	14.6
444	Little Weiser River near Indian Valley, Idaho	81.9	1920-21; 1923-27; 1938-56	1,840	Dec. 22	4.67	1,200	14.6
445	Weiser River below Little Weiser River, near Cambridge, Idaho				Dec. 22		16,600	
446	Milk Creek near Crane, Idaho				Dec. 22		305	
447	South Fork Crane Creek near Crane, Idaho				Dec. 22		1,060	
448	Crane Creek Reservoir near Midvale, Idaho	242	1923-56	ⁱ 56.3	Jan. 19	47.31		
449	Crane Creek near Midvale, Idaho	242	1910-16; 1924-56	4,240	Dec. 27	4.76	^e 705	2.92
450	Weiser River near Weiser, Idaho	1,460	1890-91; 1894-1904; 1910-14; 1952-56	16,900	Dec. 23	11.06	19,900	13.6
451	Mann Creek near Weiser, Idaho	56	1911-13; 1920; 1937-56	1,540	Dec. 22	2.90	500	8.93
452	Monroe Creek above Sheep Creek, near Weiser, Idaho	32	1945-49	170	Dec. 22	3.9	271	8.48
<u>Snake River Main Stem</u>								
453	Snake River at Weiser, Idaho	69,200	1910-56	100,000	Dec. 24	10.73	52,500	7.58
<u>Brownlee Creek Basin</u>								
454	Brownlee Creek near Heath, Idaho				Dec. 22		159	
<u>Wild Horse Creek Basin</u>								
455	Wild Horse Creek above Butte Creek, near Wild Horse, Idaho				Dec. 22		2,550	
456	Wild Horse Creek below Butte Creek, near Wild Horse, Idaho				Dec. 22		2,990	
<u>Snake River Main Stem</u>								
457	Snake River at Oxbow, Ore	72,800	1923-56	89,700	Dec. 24	16.84	52,600	7.23
<u>Salmon River Basin</u>								
458	Little Salmon River near Pollock, Idaho				Dec. 22		4,480	
459	Little Salmon River at Riggins, Idaho	576	1951-55	^c 9,200	Dec. 22	8.34	7,000	12.1
<u>Asotin Creek Basin</u>								
460	Asotin Creek near Asotin, Wash.	156	1904-06; 1910-11; 1928-56	1,180	Dec. 22	3.94	1,040	6.67
<u>Dry Creek Basin</u>								
461	Dry Creek near Clarkston, Wash.	2.29			Dec. 22		66.3	29.0
<u>Snake River Main Stem</u>								
462	Snake River near Clarkston, Wash.	103,200	1909-56	^c 409,000	Dec. 23	28.73	176,000	1.71
<u>Palouse River Basin</u>								
463	Palouse River near Colfax, Wash.	491	1955-56		Dec. 22	7.28	4,790	9.76
464	North Pine Creek tributary near Plaza, Wash.	1.72			Dec. 22		81.0	47.1
465	Union Flat Creek near Colfax, Wash.	189	1953-56	950	Dec. 21	7.10	1,360	7.20
466	Palouse River at Hooper, Wash.	2,540	1897-1916; 1951-56	29,800	Dec. 22	14.01	15,600	6.14
<u>Walla Walla River Basin</u>								
467	East Fork Touchet River near Dayton, Wash.	102	1941-51	1,530	Dec. 22	5.86	1,320	12.9
468	Touchet River at Bolles, Wash.	362	1924-29; 1951-56	4,470	Dec. 12	9.81	3,410	9.42
<u>Umatilla River Basin</u>								
469	Umatilla River near Umatilla, Oreg.	2,290	1903-56	19,600	Dec. 23	6.28	^e 5,790	2.53
<u>John Day River Basin</u>								
470	John Day River at McDonald Ferry, Oreg.	7,580	1904-56	^c 39,100	Dec. 23	9.78	22,800	3.01
<u>Deschutes River Basin</u>								
471	Deschutes River at Moody, near Biggs, Oreg.	10,500	1897-99; 1906-56	43,600	Dec. 22	7.91	28,900	2.75

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States—Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December		1956-January 195	
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq. mi.
<u>Columbia River, main stem</u>								
472	Columbia River near The Dalles, Oreg -----	237,000	1858-1956-----	1,240,000	Dec. 24	137.01	320,000	1.35
<u>Hood River Basin</u>								
473	Hood River near Hood River, Oreg -----	329	1913-56-----	34,000	Dec. 12	7.09	^t 15,000	45.7
<u>Klickitat River Basin</u>								
474	Little Klickitat River near Wahkiacus, Wash -----	280	1944-56-----	7,000	Dec. 21	8.57	5,450	19.5
<u>Wind River Basin</u>								
475	Wind River above Trout Creek near Carson, Wash -----	108	1944-56-----	8,880	Dec. 21	13.35	6,480	60.0
476	Wind River near Carson, Wash -----	^u 225	1934-56-----	20,000	Dec. 21	16.69	18,500	82.2
<u>Sandy River Basin</u>								
477	Sandy River below Bull Run River, near Bull Run, Oreg -----	440	1910-14; 1929-56-----	58,000	Dec. 21	14.97	30,900	70.2
<u>Willamette River Basin</u>								
478	Middle Fork Willamette River above Salt Creek, near Oakridge, Oreg -	392	1913-14; 1935-56-----	34,000	Dec. 22	12.71	33,300	84.9
479	Salmon Creek near Oakridge, Oreg -----	117	1913-19; 1933-56-----	8,040	Dec. 22	8.20	7,640	65.3
480	North Fork of Middle Fork Willamette River near Oakridge, Oreg -----	246	1909-16; 1935-56-----	17,000	Dec. 22	14.60	13,400	54.5
481	Middle Fork Willamette River below North Fork, near Oakridge, Oreg -	924	1911-12; 1923-56-----	82,200	Dec. 22	13.36	⁷ 72,900	78.9
482	Middle Fork Willamette River near Dexter, Oreg -----	1,001	1955-56-----	12,700	Jan. 26	8.30	16,900	16.9
483	Fall Creek below Winberry Creek, near Fall Creek, Oreg -----	186	1911; 1935-56-----	22,500	Dec. 22	13.74	12,800	68.8
484	Middle Fork Willamette River at Jasper, Oreg -----	1,340	1905-12; 1913-17; 1952-56-----	94,000	Dec. 22	8.86	^e 20,900	15.6
485	Coast Fork Willamette River at London, Oreg -----	69	1935-56-----	8,800	Dec. 22	10.88	6,210	90.0
486	Coast Fork Willamette River below Cottage Grove Dam, near Cottage Grove, Oreg.	104	1939-56-----	^e 3,340	Dec. 30	9.36	^e 3,220	31.0
487	Prather Creek near Disston, Oreg -----	5.45	1952-56-----	279	Dec. 21	5.65	264	48.4
488	Row River above Pitcher Creek, near Dorena, Oreg -----	211	1935-56-----	19,600	Dec. 22	13.62	19,200	91.0
489	Row River near Cottage Grove, Oreg -----	270	1939-56-----	21,400	Dec. 22	11.02	^e 9,060	33.6
490	Mosby Creek at mouth, near Cottage Grove, Oreg -----	96	1946-56-----	7,160	Dec. 22	10.66	6,920	72.1
491	Coast Fork Willamette River near Goshen, Oreg -----	642	1905-12; 1950-56-----	58,500	Dec. 26	16.44	^e 25,400	39.6
492	Willamette River at Springfield, Oreg -----	2,030	1911-13; 1919-56-----	^e 140,000	Dec. 26	9.94	^e 48,500	23.9
493	McKenzie River at outlet of Clear Lake, Oreg -----	101	1912-15; 1947-56-----	2,600	Dec. 22	7.66	2,880	28.5
494	McKenzie River at McKenzie Bridge, Oreg -----	346	1910-56-----	16,500	Dec. 22	7.79	13,000	37.7
495	South Fork McKenzie River near Rainbow, Oreg -----	211	1947-56-----	^c 24,500	Dec. 22	-----	17,400	82.5
496	Lookout Creek tributary No. 1 near Blue River, Oreg -----	.338	1952-56-----	47	Dec. 21	2.47	31	91.7
497	Lookout Creek tributary No. 2 near Blue River, Oreg -----	.409	1952-56-----	52	Jan. 15	3.08	59	144
498	Blue River near Blue River, Oreg -----	75	1935-56-----	13,300	Dec. 21	7.80	9,700	129
499	McKenzie River near Vida, Oreg -----	930	1924-56-----	64,400	Dec. 22	15.00	51,700	55.6
500	Gate Creek at Vida, Oreg -----	47.6	1951-56-----	5,510	Dec. 22	8.38	3,680	77.3
501	Mohawk River near Springfield, Oreg -----	180	1935-52-----	8,600	Dec. 21	22.9	9,200	51.1
502	McKenzie River near Coburg, Oreg -----	1,310	1944-56-----	88,200	Dec. 22	16.25	73,500	56.1
503	Willamette River at Harrisburg, Oreg -----	3,420	1944-56-----	^e 210,000	Dec. 22	16.25	^e 114,000	33.4
504	Long Tom River near Noti, Oreg -----	88	1935-56-----	4,930	Dec. 22	20.17	6,990	79.4
505	Coyote Creek near Crow, Oreg -----	94	1940-56-----	9,260	Dec. 21	14.32	10,100	107
506	Long Tom River below Fern Ridge Dam, near Smithfield, Oreg -----	^v 262	1939-56-----	^e 11,500	Dec. 26	13.97	^e 10,400	41.3
507	Amazon Creek near Eugene, Oreg -----	21.3	1954-56-----	742	Dec. 21	9.25	2,120	99.5
508	Long Tom River at Monroe, Oreg -----	^v 391	1920-56-----	^e 19,300	Dec. 22	10.26	^e 11,000	28.1
509	Rock Creek near Philomath, Oreg -----	14.6	1945-56-----	1,650	Dec. 21	6.87	2,170	149
510	Marys River near Philomath, Oreg -----	159	1940-56-----	8,250	Dec. 21	20.85	^a 9,120	57.4
511	Calapooya River at Holley, Oreg -----	105	1935-56-----	12,200	Dec. 21	12.67	10,700	102
512	Calapooya River at Albany, Oreg -----	372	1940-56-----	24,900	Dec. 22	22.12	^a 33,000	88.7
513	Willamette River at Albany, Oreg -----	4,940	1878-82; 1892-1956-----	^c 346,000	Dec. 23	26.70	^e 155,000	32.2
514	Cox Creek at Albany, Oreg -----	15.2	1953-56-----	720	Dec. 21	12.34	770	50.7
515	North Santiam River below Boulder Creek, near Detroit, Oreg -----	216	1907-9; 1928-56-----	20,300	Dec. 22	8.98	15,200	70.4
516	Breitenbush River tributary near Detroit, Oreg -----	.92	1953-56-----	118	Dec. 21	11.14	112	122
517	Breitenbush River above Canyon Creek, near Detroit, Oreg -----	106	1932-56-----	11,600	Dec. 22	10.80	9,220	87.0
518	North Santiam River at Niagara, Oreg -----	453	1908-19; 1938-56-----	63,200	Jan. 11	9.15	^e 15,100	33.3
519	North Santiam River tributary near Gates, Oreg -----	1.69	1951-56-----	86	Dec. 21	17.28	81	47.9
520	Little North Santiam River near Mehama, Oreg -----	110	1931-56-----	19,900	Jan. 15	12.00	13,300	121
521	North Santiam River at Mehama, Oreg -----	665	1905-07; 1910-14; 1921-56-----	76,600	Jan. 15	9.51	^e 25,300	38.0
522	South Santiam River near Cascadia, Oreg -----	.94	1952-56-----	80	Dec. 21	13.21	45	47.9
523	South Santiam River below Cascadia, Oreg -----	174	1935-56-----	23,400	Dec. 21	16.64	21,900	126
524	Middle Santiam River at mouth, near Foster, Oreg -----	287	1951-56-----	^c 41,800	Dec. 21	18.35	32,500	113
524a	Wiley Creek near Foster, Oreg -----	52	1947-56-----	5,410	Dec. 21	7.86	6,280	121
525	South Santiam River at Waterloo, Oreg -----	640	1905-07; 1910-11; 1923-56-----	74,200	Dec. 21	19.95	62,800	98.1

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955--January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq mi.
<u>Willamette River Basin--Continued</u>								
526	Santiam River at Jefferson, Oreg	1,790	1905-06; 1907-16; 1939-56	^c 202,000	Dec. 22	21.11	^e 115,000	64.2
527	Lucklamute River near Hoskins, Oreg	34	1934-56	5,560	Jan. 4	10.35	3,780	111
528	Lucklamute River at Pedee, Oreg	115	1940-56	13,500	Dec. 21	15.96	^a 9,300	80.9
529	Lucklamute River near Suver, Oreg	240	1905-11; 1940-56	^c 25,000	Jan. 4	30.46	16,200	67.5
530	Rickreall Creek near Dallas, Oreg	43.4			Dec. 21		7,120	164
531	Willamette River at Salem, Oreg	7,280	1909-16; 1927-56	^c 500,000	Dec. 23	25.46	^e 240,000	33.0
532	Mill Creek at penitentiary annex, near Salem, Oreg	104	1938-56	^c 9,320	Dec. 21	8.28	4,810	46.2
533	Mill Creek at Salem, Oreg	110	1938-56	^e 1,230	Dec. 22	6.53	^{ae} 1,150	10.5
534	Glen Creek tributary at Brush College, Oreg	4.83	1951-56	238	Jan. 4	16.4	212	43.9
535	South Yamhill River near Willamina, Oreg	133	1934-56	15,200	Dec. 21	14.44	15,000	113
536	Willamina Creek near Willamina, Oreg	65	1934-56	6,380	Dec. 21	11.65	^a 7,800	120
537	South Yamhill River near Whiteson, Oreg	502	1940-56	28,900	Dec. 22	45.25	36,800	73.3
538	Haskins Creek below reservoir near McMinnville, Oreg	7.1	1951-56	^w 558	Dec. 21	3.52	^{ae} 442	62.3
539	North Yamhill River at Pike, Oreg	66.8	1948-56	6,280	Dec. 21	12.42	^a 9,510	142
540	Willamette River at Wilsonville, Oreg	8,400	1948-56	^e 248,000	Dec. 24	85.95	^{ae} 233,000	27.7
541	Molalla River near Canby, Oreg	323	1928-56	25,100	Dec. 22	14.42	20,200	62.5
542	Pudding River near Mount Angel, Oreg	204	1939-56	15,000	Dec. 22	27.83	7,180	35.2
543	Pudding River at Aurora, Oreg	479	1928-56	^c 27,900	Dec. 22	21.18	12,300	25.7
544	Tualatin River at Gaston, Oreg	51	1940-56	4,820	Dec. 21	13.18	8,170	160
545	Scoggin Creek near Gaston, Oreg	44.0	1940-56	3,460	Dec. 21	15.94	5,140	117
546	Tualatin River near Dilley, Oreg	133	1940-56	9,460	Dec. 22	14.78	13,200	99.3
547	Gales Creek near Forest Grove, Oreg	66	1940-56	6,410	Dec. 21	11.96	^a 6,300	95.5
548	McKay Creek near North Plains, Oreg	27.6	1940-43; 1948-56	2,100	Dec. 21	11.35	1,000	36.2
549	Tualatin River at Farmington, Oreg	568	1939-56	17,400	Dec. 22	36.03	^a 24,000	42.3
550	Tualatin River near Willamette, Oreg	710	1928-56	^x 29,300	Dec. 23	16.27	^x 21,400	30.2
551	Clackamas River at Big Bottom, Oreg	136	1920-56	6,750	Dec. 21	8.95	^a 6,200	45.6
552	Oak Grove Fork above powerplant intake, Oreg	126	1909-56	5,000	Dec. 22	4.46	2,280	18.1
553	Clackamas River above Three Lynx Creek, Oreg	479	1909-13; 1921-56	34,800	Dec. 21	15.06	^a 37,300	77.9
554	Clackamas River near Cazadero, Oreg	657	1908-56	60,800	Dec. 21	21.15	^a 49,000	73.1
555	Johnson Creek at Sycamore, Oreg	28.2	1940-56	2,110	Jan. 4	13.23	1,820	64.5
<u>Youngs River Basin</u>								
556	Youngs River near Astoria, Oreg	40.1	1927-56	6,300	Dec. 21	11.90	3,580	89.3
<u>Nehalem River Basin</u>								
557	Nehalem River near Foss, Oreg	667	1939-56	36,900	Dec. 21	19.67	39,300	58.9
<u>Wilson River Basin</u>								
558	Wilson River near Tillamook, Oreg	159	1914-16; 1931-56	30,000	Dec. 21	15.28	21,100	133
<u>Trask River Basin</u>								
559	Trask River near Tillamook, Oreg	143	1931-56	30,000		13.09	20,200	141
<u>Siletz River Basin</u>								
560	Siletz River at Siletz, Oreg	202	1905-12; 1924-56	^c 40,800	Jan. 4	21.02	26,400	131
561	Alder Brook near Rose Lodge, Oreg	.68	1953-56	98	Dec. 21	11.61	80	118
<u>Yaquina River Basin</u>								
562	Elk Creek near Elk City, Oreg	85.0					13,200	155
<u>Alsea River Basin</u>								
563	Alsea River near Tidewater, Oreg	334	1939-56	27,800	Dec. 21	23.80	32,200	96.4
564	South Fork of Weiss Creek near Waldport, Oreg	.24	1952-56	26	Dec. 21	6.81	22	91.7
<u>Siuslaw River Basin</u>								
565	Lake Creek at Triangle Lake, Oreg	50	1931-55	4,180	Dec.	7.7	3,600	72.0
<u>Umpqua River Basin</u>								
566	Jackson Creek near Tiller, Oreg	153	1955-56	3,700	Dec. 22	13.55	10,600	69.3
567	South Umpqua River at Tiller, Oreg	454	1910-11; 1939-56	37,400	Dec. 22	20.85	33,300	73.3
568	Elk Creek near Drew, Oreg	54.4	1954-56	ⁱ 11.8	Dec. 21	10.34	7,500	138
569	Days Creek at Days Creek, Oreg	55.3	1955-56		Dec. 21	9.34	2,500	45.2
570	Cow Creek near Azalea, Oreg	76	1926-56	5,920	Dec. 21	12.76	5,180	68.2
571	West Fork of Cow Creek near Glendale, Oreg	83.6	1955-56	2,900	Dec. 21	16.67	10,600	127
572	Cow Creek near Riddle, Oreg	456	1954-56	^c 41,100	Dec. 26	27.35	38,300	84.0
573	South Myrtle Creek near Myrtle Creek, Oreg	43.9	1955-56	720	Dec. 26	7.95	^a 2,100	47.8
574	North Myrtle Creek near Myrtle Creek, Oreg	54.2	1955-56	520	Dec. 26	11.58	2,950	54.6
575	Lookingglass Creek at Brookway, Oreg	158	1955-56	2,580	Dec. 26	24.93	^a 34,000	215
576	South Umpqua River near Brookway, Oreg	1,640	1905-12; 1923-26; 1942-56	102,000	Dec. 22	31.55	91,300	55.7

See footnotes at end of table, page 15.

Maximum stages and discharges on streams in far-Western States--Continued

No.	Stream and place of determination	Drainage area (square miles)	Period of record	Maximum discharge previously recorded (cfs)	Maximum December 1955--January 1956			
					Day	Stage (feet)	Discharge	
							Cfs	Cfs per sq mi
<u>Umpqua River Basin--Continued</u>								
577	Deer Creek near Roseburg, Oreg	53.0	1955-56	^c 6,040	Dec. 26	13.67	6,800	128
578	North Umpqua River below Lemolo Reservoir, near Toketee Falls, Oreg	179.0	1927-45; 1946-56	1,190	Dec. 22	6.50	^c 660	3.69
579	Clearwater River above Trap Creek near Toketee Falls, Oreg	41.6	1927-56	487	Dec. 22	2.50	455	10.9
579a	Fish Creek at Big Camas ranger station, near Toketee Falls, Oreg	57	1947-56	5,160	Dec. 22	10.90	7,650	114
580	North Umpqua River above Copeland Creek, near Toketee Falls, Oreg	471	1949-56	14,100	Dec. 22	15.05	20,600	43.7
581	Steamboat Creek near Glide, Oreg	227	1955-56	9,800	Dec. 22	17.9	26,900	119
582	North Umpqua River above Rock Creek, near Glide, Oreg	886	1924-43	^c 55,000	Dec. 22	23.1	68,000	76.7
583	Rock Creek near Glide, Oreg	97.4	1955-56	5,350	Dec. 22	12.6	12,300	126
584	Cavitt Creek near Peel, Oreg	56.9	1955-56	1,550	Dec. 26	7.5	4,910	86.3
585	Little River at Peel, Oreg	177	1954-56	9,350	Dec. 22	16.55	15,800	89.3
586	North Umpqua River near Glide, Oreg	1,210	1915-20; 1921-22; 1927-38	^c 94,000	Dec. 22	21.7	90,000	74.4
587	Sutherland Creek at Sutherland, Oreg	16.4	1955-56	416	Dec. 26	7.79	1,250	76.2
588	North Umpqua River at Winchester, Oreg	1,350	1908-13; 1923-29; 1954-56	100,000	Dec. 22	29.14	92,000	68.1
589	Calapooya Creek above Hinckel Creek, near Nonpareil, Oreg	48.6			Dec. 21		4,980	102
590	Umpqua River near Elktion, Oreg	3,680	1905-56	^c 218,000	Dec. 22	45.6	218,000	59.2
591	Elk Creek above Bennet Creek, near Yoncalla, Oreg				Dec. 26		2,700	
592	Yoncalla Creek near Yoncalla, Oreg	26.0			Dec. 26	14.48		
593	Elk Creek near Drain, Oreg	104	1955-56	4,880	Dec. 26	19.06	9,100	87.5
594	Pass Creek near Drain, Oreg	61.9	1955-56	2,140	Dec. 26	13.57	5,560	89.8
<u>Coos River Basin</u>								
595	Daniels Creek near Eastside, Oreg	14.5	1950-53	1,290	Dec. 21	10.7	1,800	124
596	West Fork Millicoma River near Allegany, Oreg	46.5	1954-56	13,600	Dec. 21	12.06	7,990	172
<u>Coquille River Basin</u>								
597	South Fork Coquille River at Powers, Oreg	169	1916-26; 1928-56	30,500	Dec. 21	19.75	28,000	166
<u>Rogue River Basin</u>								
598	Rogue River above Prospect, Oreg	332	1908-12; 1923-56	11,900	Dec. 22	10.01	^a 16,600	50.0
599	South Fork Rogue River near Prospect, Oreg	79	1924-31; 1949-56	2,540	Dec. 22	8.3	^a 3,250	41.1
600	Red Blanket Creek near Prospect, Oreg	40	1925-56	2,690	Dec. 22	7.30	1,840	46.1
601	Rogue River below South Fork Rogue River, near Prospect, Oreg	643	1929-56	20,500	Dec. 22	17.3	34,000	52.9
602	South Fork Big Butte Creek near Butte Falls, Oreg	135	1910-11; 1915; 1917-22; 1925-56	2,470	Dec. 22	4.43	^a 2,700	20.0
603	Big Butte Creek near McLeod, Oreg	249	1945-56	6,390	Dec. 22	12.75	9,000	36.1
604	Elk Creek near Trail, Oreg	133	1945-56	10,000	Dec. 22	14.34	13,700	103
605	Rogue River at Dodge Bridge, near Eagle Point, Oreg	1,210	1938-56	44,600	Dec. 22	12.8	^a 75,000	62.0
606	South Fork Little Butte Creek near Lake Creek, Oreg	138	1921-56	3,920	Dec. 22	6.83	3,400	24.6
607	North Fork Little Butte Creek near Lake Creek, Oreg	38	1911-13; 1922-28; 1931-56	580	Dec. 22	2.51	^e 281	7.39
608	Dry Creek near Eagle Point, Oreg	13.4			Dec. 22		1,020	76.2
609	Emigrant Creek above Hill Creek, near Ashland, Oreg	51.6			Dec. 22		2,580	50.0
610	Emigrant Creek near Ashland, Oreg	64.3	1920-56	5,260	Dec. 22	8.55	3,630	56.5
611	Bear Creek at Medford, Oreg	279	1915-56	10,200	Dec. 22	7.50	9,400	33.7
612	Griffin Creek near Jacksonville, Oreg	5.41	1953-56	117	Dec. 21	12.25	74	13.7
613	Rogue River at Raygold, near Central Point, Oreg	2,020	1905-56	91,500	Dec. 22	23.1	110,000	54.5
614	Evans Creek above West Fork, at Meadows Bridge, Oreg	33.7	1941-52	2,630	Dec. 22	7.14	4,520	134
615	Evans Creek at Bybee Springs, near Rogue River, Oreg	116	1925-27; 1940-53	11,100	Dec.	12.1	9,150	78.8
616	Jones Creek near Grants Pass, Oreg	7.59	1951-56	564	Dec. 21	13.12	268	35.3
617	Rogue River at Grants Pass, Oreg	2,420	1939-56	77,000	Dec. 22	29.60	135,000	56.8
618	Applegate River near Copper, Oreg	220	1938-56	15,300	Dec. 21	23.47	20,300	92.3
619	Applegate River near Applegate, Oreg	480	1938-56	25,100	Dec. 21	18.0	^a 47,800	99.6
620	Powell Creek near Williams, Oreg	8.6	1946-56	1,110	Dec. 22	5.73	1,400	161
621	Butcherknife Creek near Wonder, Oreg	2.98	1953-56	365	Dec. 21	16.84	367	123
622	Slate Creek at Wonder, Oreg	30.9	1913; 1943-56	4,020	Dec. 21	9.60	3,920	127
623	Round Prairie Creek near Wilderville, Oreg	3.06	1953-56	306	Dec. 21	6.30	265	86.6
624	Jumpoff Joe Creek near Merlin, Oreg	28	^j 1922; 1929; 1932-56	3,300	Dec. 21	9.0	2,700	95.4
625	Grave Creek at Pease Bridge, near Placer, Oreg	22	1940-56	3,550	Dec. 21	9.66	4,570	208
626	East Fork Illinois River near Takilma, Oreg	42.6	1941-56	6,750	Dec. 22	10.05	8,230	193
627	Sucker Creek near Holland, Oreg	76	1941-56	6,580	Dec. 22	7.95	7,150	94.1
628	West Fork Illinois River below Rock Creek, near O'Brien, Oreg	42.4	1954-56	^k 14,200	Dec. 22	14.79	12,100	285
629	Illinois River at Kerby, Oreg	364	1926-56	52,000	Dec. 22	14.4	55,000	151
630	Deer Creek near Dryden, Oreg	23	1941-56	^r 5,000	Dec. 21	7.7	4,400	191
<u>Eiler Creek Basin</u>								
631	Eiler Creek near Brookings, Oreg	.82	1953-56	298	Dec. 21	23.06	220	268

See footnotes page 15.

- a Provisional.
- b 519 sq mi above Lake Tahoe outlet noncontributing.
- c Occurred outside period of record.
- d Includes 46 sq mi in Cowhead Lake basin.
- e Affected by storage and (or) diversion.
- f About.
- g Furnished by Duryea, Haebl, and Gilman.
- h Does not include water bypassing through Mud Slough.
- i Stage.
- j Gaging station on Rock Creek downstream from mouth of Woodruff Creek.
- k Combined discharge of station at Verona and Fremont weir, 315,000 cfs.
- l Mean daily discharge.
- m Including Crater Lake basin.
- n Not including Lost River or Lower Klamath Lake basins.
- o Affected by failure of flashboards on Hyatt Prairie Reservoir.
- p Contents in acre-feet.
- q Flow completely controlled.
- r Runoff from area below Deadwood Reservoir.
- s Reservoir gates open during December 1955 and January 1956.
- t Includes flow in Pacific Power & Light Co. conduit.
- u Includes Little Wind River drainage area.
- v Does not include Amazon Creek drainage area.
- w Affected by failure of reservoir outlet gate.
- x Includes flow in Oswego Canal, which is complementary to river record.
- y Records since 1922 published in State reports only.
- z At site downstream (drainage area, 48.6 sq mi).