

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16010000	2	3320	1690	3310	2910	3750	7.9329E-04	1.1191E-01	7.8770E-04
16010000	5	5370	2800	5340	4670	6100	8.8469E-04	7.8775E-02	8.7486E-04
16010000	10	6860	3620	6780	5830	7900	1.1612E-03	6.4752E-02	1.1407E-03
16010000	25	8860	4760	8680	7160	10500	1.8711E-03	5.4694E-02	1.8092E-03
16010000	50	10400	5680	10100	8030	12700	2.6992E-03	4.9847E-02	2.5606E-03
16010000	100	12000	6650	11500	8800	15000	3.7935E-03	4.6693E-02	3.5084E-03
16010000	500	16000	9090	14700	10300	21100	7.4008E-03	4.3605E-02	6.3269E-03
16013000	2	765	944	767	647	909	1.4387E-03	1.1191E-01	1.4204E-03
16013000	5	1170	1550	1180	988	1410	1.5676E-03	7.8775E-02	1.5370E-03
16013000	10	1450	2010	1470	1200	1790	2.0065E-03	6.4752E-02	1.9462E-03
16013000	25	1810	2620	1840	1440	2350	3.0928E-03	5.4694E-02	2.9272E-03
16013000	50	2080	3120	2140	1610	2850	4.3334E-03	4.9847E-02	3.9868E-03
16013000	100	2340	3630	2460	1770	3420	5.9526E-03	4.6693E-02	5.2796E-03
16013000	500	2970	4920	3290	2150	5040	1.1213E-02	4.3605E-02	8.9195E-03
16016000	2	5230	5810	5240	4190	6550	2.5161E-03	1.1191E-01	2.4607E-03
16016000	5	9750	9680	9750	7500	12700	3.5261E-03	7.8775E-02	3.3750E-03
16016000	10	13800	12700	13700	9990	18700	5.2401E-03	6.4752E-02	4.8478E-03
16016000	25	20100	16800	19600	13200	29200	9.0484E-03	5.4694E-02	7.7640E-03
16016000	50	25900	20200	24600	15500	39000	1.3216E-02	4.9847E-02	1.0446E-02
16016000	100	32700	23800	29900	17800	50300	1.8560E-02	4.6693E-02	1.3281E-02
16016000	500	53300	33200	43000	22900	81000	3.5747E-02	4.3605E-02	1.9644E-02
16017000	2	3320	893	3240	2650	3970	2.0603E-03	1.1191E-01	2.0230E-03
16017000	5	4970	1470	4810	3910	5920	2.1902E-03	7.8775E-02	2.1310E-03
16017000	10	6060	1900	5780	4580	7290	2.7490E-03	6.4752E-02	2.6371E-03
16017000	25	7410	2480	6870	5200	9070	4.0930E-03	5.4694E-02	3.8080E-03
16017000	50	8400	2950	7560	5490	10400	5.5984E-03	4.9847E-02	5.0331E-03
16017000	100	9360	3430	8140	5660	11700	7.5401E-03	4.6693E-02	6.4918E-03
16017000	500	11600	4640	9290	5860	14700	1.3756E-02	4.3605E-02	1.0457E-02
16018000	2	4310	3790	4290	3210	5710	4.2182E-03	1.1191E-01	4.0650E-03
16018000	5	6600	6300	6570	4610	9370	6.6850E-03	7.8775E-02	6.1621E-03
16018000	10	8390	8210	8370	5490	12700	1.0068E-02	6.4752E-02	8.7133E-03
16018000	25	11000	10900	11000	6590	18300	1.6586E-02	5.4694E-02	1.2727E-02
16018000	50	13200	13000	13100	7440	23100	2.3129E-02	4.9847E-02	1.5798E-02
16018000	100	15600	15300	15500	8360	28700	3.1105E-02	4.6693E-02	1.8669E-02
16018000	500	22300	21200	21700	10700	43900	5.5341E-02	4.3605E-02	2.4389E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16019000	2	2000	1080	1990	1750	2270	8.3842E-04	1.1191E-01	8.3219E-04
16019000	5	2990	1780	2970	2610	3380	8.2566E-04	7.8775E-02	8.1710E-04
16019000	10	3620	2290	3600	3120	4150	1.0089E-03	6.4752E-02	9.9345E-04
16019000	25	4400	3000	4360	3650	5190	1.5632E-03	5.4694E-02	1.5198E-03
16019000	50	4960	3570	4890	3970	6030	2.2437E-03	4.9847E-02	2.1470E-03
16019000	100	5500	4170	5410	4230	6910	3.1584E-03	4.6693E-02	2.9583E-03
16019000	500	6700	5660	6560	4710	9150	6.1927E-03	4.3605E-02	5.4226E-03
16028000	2	10000	10500	10000	8810	11400	8.4737E-04	1.1191E-01	8.4100E-04
16028000	5	14500	17500	14600	12500	16900	1.1214E-03	7.8775E-02	1.1056E-03
16028000	10	17700	23000	17800	14900	21300	1.6132E-03	6.4752E-02	1.5740E-03
16028000	25	22000	30600	22400	17800	28100	2.7169E-03	5.4694E-02	2.5884E-03
16028000	50	25400	37000	26100	19900	34300	3.9290E-03	4.9847E-02	3.6419E-03
16028000	100	28900	43800	30200	22000	41500	5.4855E-03	4.6693E-02	4.9088E-03
16028000	500	37900	61700	41600	27500	63000	1.0494E-02	4.3605E-02	8.4583E-03
16031000	2	13000	12900	13000	11000	15300	1.3792E-03	1.1191E-01	1.3624E-03
16031000	5	21300	21600	21300	17900	25300	1.4799E-03	7.8775E-02	1.4526E-03
16031000	10	27200	28300	27200	22500	33100	1.8881E-03	6.4752E-02	1.8346E-03
16031000	25	35100	37900	35200	27700	44700	2.9505E-03	5.4694E-02	2.7995E-03
16031000	50	41200	45800	41500	31300	54900	4.1919E-03	4.9847E-02	3.8668E-03
16031000	100	47300	54300	48100	34700	66500	5.8305E-03	4.6693E-02	5.1833E-03
16031000	500	62200	76700	65000	42400	99500	1.1211E-02	4.3605E-02	8.9179E-03
16036000	2	7460	7140	7460	6360	8750	1.2697E-03	1.1191E-01	1.2554E-03
16036000	5	12400	11900	12400	10500	14600	1.3849E-03	7.8775E-02	1.3610E-03
16036000	10	16000	15600	15900	13200	19200	1.7860E-03	6.4752E-02	1.7380E-03
16036000	25	20700	20700	20700	16400	26200	2.8180E-03	5.4694E-02	2.6799E-03
16036000	50	24500	25000	24500	18600	32300	4.0202E-03	4.9847E-02	3.7202E-03
16036000	100	28300	29500	28400	20700	39100	5.6059E-03	4.6693E-02	5.0050E-03
16036000	500	37800	41200	38400	25200	58500	1.0816E-02	4.3605E-02	8.6661E-03
16049000	2	7450	5500	7430	6480	8520	9.2147E-04	1.1191E-01	9.1394E-04
16049000	5	12300	9150	12200	10600	14200	1.0834E-03	7.8775E-02	1.0687E-03
16049000	10	15900	12000	15800	13300	18800	1.4676E-03	6.4752E-02	1.4351E-03
16049000	25	20900	15900	20700	16700	25700	2.4062E-03	5.4694E-02	2.3048E-03
16049000	50	25000	19100	24500	19000	31700	3.4789E-03	4.9847E-02	3.2520E-03
16049000	100	29200	22500	28500	21100	38500	4.8837E-03	4.6693E-02	4.4213E-03
16049000	500	40200	31400	38400	25800	57300	9.4832E-03	4.3605E-02	7.7892E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16052500	2	1260	2600	1300	964	1740	4.4888E-03	1.1191E-01	4.3157E-03
16052500	5	2770	4310	2840	2120	3790	4.3384E-03	7.8775E-02	4.1119E-03
16052500	10	4040	5610	4140	3020	5660	5.2376E-03	6.4752E-02	4.8457E-03
16052500	25	5870	7390	6040	4150	8810	7.9707E-03	5.4694E-02	6.9569E-03
16052500	50	7370	8850	7620	4940	11800	1.1314E-02	4.9847E-02	9.2208E-03
16052500	100	8960	10400	9310	5700	15200	1.5790E-02	4.6693E-02	1.1800E-02
16052500	500	13000	14300	13500	7380	24700	3.0535E-02	4.3605E-02	1.7959E-02
16055000	2	5250	9110	5400	3980	7320	4.8035E-03	8.9636E-02	4.5592E-03
16055000	5	11500	15600	11800	8940	15600	4.1537E-03	4.6693E-02	3.8144E-03
16055000	10	16500	20500	17000	12700	22700	4.7879E-03	3.2000E-02	4.1648E-03
16055000	25	23300	27300	24200	17300	33900	7.3373E-03	2.2985E-02	5.5619E-03
16055000	50	28500	32700	29900	20600	43500	1.0640E-02	1.9497E-02	6.8834E-03
16055000	100	33800	38300	35800	23700	53900	1.5118E-02	1.8388E-02	8.2967E-03
16055000	500	46000	51600	49200	29600	81600	2.9777E-02	2.1796E-02	1.2584E-02
16060000	2	13800	12200	13800	11900	15900	1.0307E-03	8.9636E-02	1.0189E-03
16060000	5	23800	20600	23800	20500	27500	1.0783E-03	4.6693E-02	1.0540E-03
16060000	10	31300	26900	31100	26400	36600	1.3648E-03	3.2000E-02	1.3089E-03
16060000	25	41300	35600	40800	33400	49800	2.1644E-03	2.2985E-02	1.9782E-03
16060000	50	49100	42400	48100	38100	60900	3.1260E-03	1.9497E-02	2.6941E-03
16060000	100	57200	49400	55600	42500	72800	4.4119E-03	1.8388E-02	3.5582E-03
16060000	500	77000	65700	73600	51600	105000	8.6833E-03	2.1796E-02	6.2095E-03
16063000	2	4190	2420	4170	3750	4650	5.6916E-04	8.9636E-02	5.6557E-04
16063000	5	6000	4410	5980	5290	6750	7.3909E-04	4.6693E-02	7.2758E-04
16063000	10	7290	6000	7240	6270	8370	1.0613E-03	3.2000E-02	1.0272E-03
16063000	25	8990	8300	8940	7430	10800	1.8056E-03	2.2985E-02	1.6741E-03
16063000	50	10300	10200	10300	8300	12800	2.6355E-03	1.9497E-02	2.3217E-03
16063000	100	11700	12200	11800	9180	15200	3.7099E-03	1.8388E-02	3.0871E-03
16063000	500	15200	17500	15700	11300	21900	7.1960E-03	2.1796E-02	5.4099E-03
16068000	2	2940	2870	2940	2620	3300	6.5482E-04	8.9636E-02	6.5007E-04
16068000	5	4700	5180	4700	4100	5400	9.5757E-04	4.6693E-02	9.3833E-04
16068000	10	6130	7020	6160	5200	7310	1.5016E-03	3.2000E-02	1.4343E-03
16068000	25	8270	9670	8410	6720	10500	2.7891E-03	2.2985E-02	2.4873E-03
16068000	50	10100	11800	10400	7970	13600	4.2491E-03	1.9497E-02	3.4888E-03
16068000	100	12200	14100	12700	9330	17200	6.1599E-03	1.8388E-02	4.6142E-03
16068000	500	18300	20000	18900	12600	28200	1.2446E-02	2.1796E-02	7.9222E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16071000	2	6580	8360	6610	5450	8020	1.8787E-03	8.9636E-02	1.8401E-03
16071000	5	11900	14300	12100	9540	15200	2.8414E-03	4.6693E-02	2.6784E-03
16071000	10	16800	18900	17000	12800	22500	4.4526E-03	3.2000E-02	3.9087E-03
16071000	25	24600	25300	24800	17500	35100	8.1120E-03	2.2985E-02	5.9959E-03
16071000	50	31900	30300	31300	21200	46200	1.2175E-02	1.9497E-02	7.4949E-03
16071000	100	40700	35500	38100	24800	58300	1.7435E-02	1.8388E-02	8.9492E-03
16071000	500	68100	48100	55000	32700	92700	3.4536E-02	2.1796E-02	1.3363E-02
16071500	2	172	286	176	131	237	4.5615E-03	8.9636E-02	4.3406E-03
16071500	5	387	577	401	299	537	4.5910E-03	4.6693E-02	4.1800E-03
16071500	10	573	832	606	443	829	5.6530E-03	3.2000E-02	4.8043E-03
16071500	25	853	1220	941	658	1350	8.6479E-03	2.2985E-02	6.2837E-03
16071500	50	1090	1560	1250	846	1850	1.2235E-02	1.9497E-02	7.5174E-03
16071500	100	1350	1940	1610	1050	2450	1.7007E-02	1.8388E-02	8.8351E-03
16071500	500	2020	3040	2580	1540	4330	3.2704E-02	2.1796E-02	1.3079E-02
16073500	2	262	1400	288	208	400	5.5439E-03	8.9636E-02	5.2210E-03
16073500	5	642	2610	766	541	1080	6.7792E-03	4.6693E-02	5.9197E-03
16073500	10	1030	3610	1360	926	1990	9.2885E-03	3.2000E-02	7.1989E-03
16073500	25	1690	5070	2610	1690	4010	1.5028E-02	2.2985E-02	9.0868E-03
16073500	50	2330	6280	3910	2480	6170	2.1378E-02	1.9497E-02	1.0197E-02
16073500	100	3110	7610	5400	3340	8730	2.9556E-02	1.8388E-02	1.1336E-02
16073500	500	5600	11100	9160	5200	16100	5.5902E-02	2.1796E-02	1.5682E-02
16080000	2	3230	1660	3200	2810	3660	8.7834E-04	8.9636E-02	8.6982E-04
16080000	5	4770	3080	4730	4120	5420	9.3456E-04	4.6693E-02	9.1622E-04
16080000	10	5790	4230	5730	4910	6670	1.1866E-03	3.2000E-02	1.1442E-03
16080000	25	7070	5920	6970	5790	8410	1.8489E-03	2.2985E-02	1.7112E-03
16080000	50	8000	7300	7920	6370	9840	2.6252E-03	1.9497E-02	2.3137E-03
16080000	100	8930	8820	8910	6950	11400	3.6512E-03	1.8388E-02	3.0463E-03
16080000	500	11100	12800	11500	8250	15900	7.0215E-03	2.1796E-02	5.3107E-03
16081200	2	287	150	283	234	343	1.8394E-03	8.9636E-02	1.8024E-03
16081200	5	484	311	474	382	588	2.3903E-03	4.6693E-02	2.2739E-03
16081200	10	641	457	620	483	797	3.3947E-03	3.2000E-02	3.0691E-03
16081200	25	869	682	828	611	1120	5.6436E-03	2.2985E-02	4.5311E-03
16081200	50	1060	880	1000	713	1410	8.1090E-03	1.9497E-02	5.7270E-03
16081200	100	1270	1110	1210	828	1760	1.1271E-02	1.8388E-02	6.9878E-03
16081200	500	1840	1790	1820	1140	2900	2.1428E-02	2.1796E-02	1.0805E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16084500	2	6030	6970	6060	4690	7830	3.3539E-03	8.9636E-02	3.2329E-03
16084500	5	12000	12100	12000	9310	15400	3.2982E-03	4.6693E-02	3.0806E-03
16084500	10	16600	16000	16500	12600	21700	4.0146E-03	3.2000E-02	3.5671E-03
16084500	25	23100	21500	22700	16600	31100	6.1176E-03	2.2985E-02	4.8316E-03
16084500	50	28200	25800	27500	19400	38900	8.6656E-03	1.9497E-02	5.9992E-03
16084500	100	33600	30400	32300	22000	47500	1.2068E-02	1.8388E-02	7.2859E-03
16084500	500	46700	41500	43900	27200	70900	2.3267E-02	2.1796E-02	1.1254E-02
16085000	2	232	352	247	146	415	1.5679E-02	8.9636E-02	1.3345E-02
16085000	5	706	703	705	415	1200	1.9520E-02	4.6693E-02	1.3766E-02
16085000	10	1260	1010	1140	662	1960	2.6603E-02	3.2000E-02	1.4526E-02
16085000	25	2340	1470	1730	1000	3010	4.1733E-02	2.2985E-02	1.4822E-02
16085000	50	3500	1870	2190	1270	3780	5.7840E-02	1.9497E-02	1.4581E-02
16085000	100	5010	2320	2690	1550	4660	7.8145E-02	1.8388E-02	1.4885E-02
16085000	500	10400	3610	4150	2230	7720	1.4208E-01	2.1796E-02	1.8897E-02
16089000	2	2910	2470	2900	2460	3420	1.3607E-03	8.9636E-02	1.3403E-03
16089000	5	5110	4500	5090	4210	6140	1.8102E-03	4.6693E-02	1.7426E-03
16089000	10	6940	6120	6870	5500	8590	2.6407E-03	3.2000E-02	2.4394E-03
16089000	25	9710	8470	9490	7180	12500	4.5544E-03	2.2985E-02	3.8012E-03
16089000	50	12100	10400	11600	8470	16000	6.6867E-03	1.9497E-02	4.9791E-03
16089000	100	14800	12400	14000	9770	19900	9.4473E-03	1.8388E-02	6.2408E-03
16089000	500	22600	17800	20200	12900	31800	1.8408E-02	2.1796E-02	9.9796E-03
16093200	2	4350	4400	4360	3200	5940	4.9888E-03	8.9636E-02	4.7258E-03
16093200	5	8010	7790	7980	5740	11100	6.0039E-03	4.6693E-02	5.3198E-03
16093200	10	11000	10400	10800	7560	15600	8.0195E-03	3.2000E-02	6.4124E-03
16093200	25	15300	14200	14900	9930	22300	1.2356E-02	2.2985E-02	8.0362E-03
16093200	50	18900	17200	18100	11800	27800	1.6984E-02	1.9497E-02	9.0768E-03
16093200	100	22800	20500	21500	13600	33900	2.2822E-02	1.8388E-02	1.0183E-02
16093200	500	33300	28500	30100	17500	51500	4.1201E-02	2.1796E-02	1.4255E-02
16097000	2	1350	706	1330	1090	1620	1.9978E-03	8.9636E-02	1.9542E-03
16097000	5	1860	1360	1830	1470	2270	2.4110E-03	4.6693E-02	2.2926E-03
16097000	10	2190	1920	2160	1690	2760	3.1988E-03	3.2000E-02	2.9081E-03
16097000	25	2600	2750	2620	1970	3490	4.8133E-03	2.2985E-02	3.9799E-03
16097000	50	2900	3450	3030	2210	4150	6.4838E-03	1.9497E-02	4.8657E-03
16097000	100	3200	4220	3490	2480	4930	8.5533E-03	1.8388E-02	5.8378E-03
16097000	500	3890	6380	4760	3110	7280	1.4938E-02	2.1796E-02	8.8633E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16097500	2	1150	479	1140	982	1330	1.1130E-03	8.9636E-02	1.0994E-03
16097500	5	1820	942	1780	1490	2140	1.6741E-03	4.6693E-02	1.6161E-03
16097500	10	2360	1340	2270	1810	2830	2.6144E-03	3.2000E-02	2.4169E-03
16097500	25	3170	1940	2920	2200	3870	4.7479E-03	2.2985E-02	3.9351E-03
16097500	50	3870	2450	3430	2470	4750	7.1154E-03	1.9497E-02	5.2129E-03
16097500	100	4660	3020	3990	2770	5750	1.0178E-02	1.8388E-02	6.5516E-03
16097500	500	6900	4640	5710	3600	9050	2.0131E-02	2.1796E-02	1.0465E-02
16097900	2	138	341	150	99.7	226	9.0628E-03	8.9636E-02	8.2306E-03
16097900	5	403	682	448	289	696	1.1947E-02	4.6693E-02	9.5133E-03
16097900	10	716	978	798	496	1280	1.7024E-02	3.2000E-02	1.1112E-02
16097900	25	1340	1430	1390	835	2300	2.8188E-02	2.2985E-02	1.2661E-02
16097900	50	2010	1820	1880	1120	3150	4.0307E-02	1.9497E-02	1.3140E-02
16097900	100	2920	2250	2400	1410	4080	5.5770E-02	1.8388E-02	1.3828E-02
16097900	500	6290	3510	3880	2120	7110	1.0517E-01	2.1796E-02	1.8054E-02
16101000	2	4370	3320	4350	3660	5180	1.5052E-03	8.9636E-02	1.4803E-03
16101000	5	6750	5960	6710	5550	8120	1.8420E-03	4.6693E-02	1.7721E-03
16101000	10	8460	8050	8430	6780	10500	2.5160E-03	3.2000E-02	2.3326E-03
16101000	25	10800	11000	10800	8290	14100	4.0369E-03	2.2985E-02	3.4338E-03
16101000	50	12600	13500	12800	9470	17200	5.7073E-03	1.9497E-02	4.4149E-03
16101000	100	14500	16100	14900	10700	20900	7.8500E-03	1.8388E-02	5.5014E-03
16101000	500	19200	22600	20500	13400	31300	1.4722E-02	2.1796E-02	8.7869E-03
16103000	2	14700	9340	14500	12200	17400	1.5851E-03	8.9636E-02	1.5575E-03
16103000	5	23100	15900	22900	19400	27000	1.4057E-03	4.6693E-02	1.3646E-03
16103000	10	28500	20900	28100	23500	33600	1.6357E-03	3.2000E-02	1.5561E-03
16103000	25	35000	27900	34200	27600	42400	2.4965E-03	2.2985E-02	2.2519E-03
16103000	50	39400	33400	38400	30000	49300	3.5986E-03	1.9497E-02	3.0379E-03
16103000	100	43600	39100	42600	32100	56700	5.0906E-03	1.8388E-02	3.9869E-03
16103000	500	52600	52700	52600	36200	76500	9.9901E-03	2.1796E-02	6.8503E-03
16105000	2	1080	1000	1080	926	1260	1.1856E-03	1.1191E-01	1.1731E-03
16105000	5	1380	1650	1380	1170	1630	1.3636E-03	7.8775E-02	1.3404E-03
16105000	10	1560	2140	1570	1310	1900	1.7664E-03	6.4752E-02	1.7195E-03
16105000	25	1770	2790	1810	1440	2270	2.6108E-03	5.4694E-02	2.4919E-03
16105000	50	1920	3320	1990	1540	2570	3.4930E-03	4.9847E-02	3.2643E-03
16105000	100	2060	3870	2180	1630	2920	4.5907E-03	4.6693E-02	4.1797E-03
16105000	500	2370	5250	2680	1850	3880	7.9876E-03	4.3605E-02	6.7509E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16106000	2	5300	2620	5240	4300	6380	1.9463E-03	1.1191E-01	1.9131E-03
16106000	5	7210	4330	7090	5600	8970	2.8155E-03	7.8775E-02	2.7184E-03
16106000	10	8540	5630	8330	6300	11000	4.0771E-03	6.4752E-02	3.8356E-03
16106000	25	10300	7430	9930	7030	14000	6.5447E-03	5.4694E-02	5.8453E-03
16106000	50	11600	8890	11200	7520	16600	9.0421E-03	4.9847E-02	7.6537E-03
16106000	100	13000	10400	12400	7990	19300	1.2102E-02	4.6693E-02	9.6108E-03
16106000	500	16500	14400	15800	9170	27100	2.1447E-02	4.3605E-02	1.4376E-02
16108000	2	5190	3590	5170	4350	6140	1.4753E-03	1.1191E-01	1.4561E-03
16108000	5	8940	5960	8840	7190	10900	2.1417E-03	7.8775E-02	2.0850E-03
16108000	10	12100	7770	11900	9220	15300	3.2813E-03	6.4752E-02	3.1230E-03
16108000	25	17100	10300	16200	11700	22600	5.8714E-03	5.4694E-02	5.3022E-03
16108000	50	21500	12300	19700	13400	29100	8.7447E-03	4.9847E-02	7.4396E-03
16108000	100	26500	14500	23400	14900	36500	1.2460E-02	4.6693E-02	9.8353E-03
16108000	500	41600	20000	31900	18100	56200	2.4520E-02	4.3605E-02	1.5694E-02
16114000	2	401	785	418	288	606	7.2018E-03	1.1191E-01	6.7664E-03
16114000	5	676	1290	721	484	1070	8.6714E-03	7.8775E-02	7.8115E-03
16114000	10	882	1660	970	622	1510	1.1426E-02	6.4752E-02	9.7123E-03
16114000	25	1170	2170	1350	808	2250	1.6849E-02	5.4694E-02	1.2881E-02
16114000	50	1390	2580	1680	962	2950	2.2305E-02	4.9847E-02	1.5410E-02
16114000	100	1630	3000	2060	1130	3760	2.8949E-02	4.6693E-02	1.7870E-02
16114000	500	2230	4050	3060	1540	6070	4.9038E-02	4.3605E-02	2.3081E-02
16115000	2	1420	1320	1420	1050	1910	4.4951E-03	1.1191E-01	4.3215E-03
16115000	5	2470	2180	2450	1780	3370	5.3554E-03	7.8775E-02	5.0145E-03
16115000	10	3270	2820	3220	2250	4620	7.1004E-03	6.4752E-02	6.3988E-03
16115000	25	4400	3700	4270	2780	6570	1.0830E-02	5.4694E-02	9.0398E-03
16115000	50	5310	4410	5090	3140	8250	1.4789E-02	4.9847E-02	1.1405E-02
16115000	100	6290	5150	5930	3480	10100	1.9769E-02	4.6693E-02	1.3889E-02
16115000	500	8800	7010	7950	4230	14900	3.5385E-02	4.3605E-02	1.9534E-02
16116000	2	578	365	572	457	717	2.5417E-03	1.1191E-01	2.4852E-03
16116000	5	889	597	874	672	1140	3.5387E-03	7.8775E-02	3.3866E-03
16116000	10	1120	766	1090	801	1490	5.0994E-03	6.4752E-02	4.7271E-03
16116000	25	1450	994	1380	941	2030	8.3117E-03	5.4694E-02	7.2152E-03
16116000	50	1720	1170	1600	1030	2480	1.1669E-02	4.9847E-02	9.4557E-03
16116000	100	2010	1360	1820	1110	2970	1.5863E-02	4.6693E-02	1.1840E-02
16116000	500	2770	1810	2340	1290	4240	2.8957E-02	4.3605E-02	1.7401E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16117000	2	320	884	337	239	475	6.0845E-03	1.1191E-01	5.7708E-03
16117000	5	634	1450	678	471	977	7.1056E-03	7.8775E-02	6.5177E-03
16117000	10	897	1880	984	655	1480	9.3484E-03	6.4752E-02	8.1690E-03
16117000	25	1290	2450	1470	911	2380	1.4276E-02	5.4694E-02	1.1321E-02
16117000	50	1630	2910	1920	1120	3270	1.9586E-02	4.9847E-02	1.4061E-02
16117000	100	2000	3390	2420	1350	4340	2.6319E-02	4.6693E-02	1.6832E-02
16117000	500	3000	4590	3750	1900	7400	4.7607E-02	4.3605E-02	2.2759E-02
16130000	2	248	1680	271	196	374	5.3789E-03	1.1191E-01	5.1322E-03
16130000	5	611	2780	687	483	978	6.6007E-03	7.8775E-02	6.0904E-03
16130000	10	981	3600	1150	770	1720	9.0728E-03	6.4752E-02	7.9578E-03
16130000	25	1630	4730	2040	1250	3320	1.4739E-02	5.4694E-02	1.1610E-02
16130000	50	2250	5650	2960	1710	5120	2.1017E-02	4.9847E-02	1.4784E-02
16130000	100	3020	6600	4080	2230	7470	2.9108E-02	4.6693E-02	1.7930E-02
16130000	500	5480	9030	7250	3580	14700	5.5198E-02	4.3605E-02	2.4361E-02
16200000	2	1830	1320	1820	1590	2090	9.2651E-04	4.3605E-02	9.0723E-04
16200000	5	3000	1980	2960	2570	3420	1.0307E-03	3.0642E-02	9.9712E-04
16200000	10	3860	2470	3780	3220	4450	1.3490E-03	2.7994E-02	1.2870E-03
16200000	25	5010	3130	4840	3960	5930	2.1639E-03	2.7994E-02	2.0086E-03
16200000	50	5910	3640	5630	4440	7150	3.1129E-03	2.7994E-02	2.8014E-03
16200000	100	6850	4190	6420	4860	8480	4.3657E-03	2.9306E-02	3.7997E-03
16200000	500	9160	5490	8250	5690	12000	8.4907E-03	3.3379E-02	6.7689E-03
16201000	2	1040	1210	1050	902	1210	1.0796E-03	4.3605E-02	1.0535E-03
16201000	5	1470	1790	1480	1260	1740	1.2824E-03	3.0642E-02	1.2309E-03
16201000	10	1750	2230	1780	1480	2130	1.7160E-03	2.7994E-02	1.6169E-03
16201000	25	2120	2820	2170	1730	2710	2.6973E-03	2.7994E-02	2.4602E-03
16201000	50	2390	3280	2480	1910	3210	3.7748E-03	2.7994E-02	3.3263E-03
16201000	100	2650	3760	2800	2070	3770	5.1561E-03	2.9306E-02	4.3847E-03
16201000	500	3290	4920	3600	2440	5310	9.5791E-03	3.3379E-02	7.4431E-03
16204000	2	2490	2430	2490	2210	2800	7.0801E-04	4.3605E-02	6.9670E-04
16204000	5	3160	3830	3180	2760	3670	1.0207E-03	3.0642E-02	9.8783E-04
16204000	10	3610	4920	3670	3090	4350	1.5039E-03	2.7994E-02	1.4272E-03
16204000	25	4180	6400	4330	3490	5380	2.5080E-03	2.7994E-02	2.3018E-03
16204000	50	4610	7570	4880	3780	6280	3.5650E-03	2.7994E-02	3.1623E-03
16204000	100	5040	8810	5460	4080	7310	4.8912E-03	2.9306E-02	4.1916E-03
16204000	500	6080	11800	7010	4790	10300	9.0548E-03	3.3379E-02	7.1226E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16206000	2	1020	1590	1040	842	1290	2.3672E-03	4.3605E-02	2.2453E-03
16206000	5	1420	2410	1500	1160	1940	3.5840E-03	3.0642E-02	3.2087E-03
16206000	10	1700	3030	1870	1380	2520	5.2941E-03	2.7994E-02	4.4522E-03
16206000	25	2090	3860	2410	1670	3480	8.6117E-03	2.7994E-02	6.5857E-03
16206000	50	2390	4520	2900	1920	4380	1.1954E-02	2.7994E-02	8.3770E-03
16206000	100	2720	5200	3420	2160	5410	1.6039E-02	2.9306E-02	1.0366E-02
16206000	500	3540	6870	4800	2740	8400	2.8482E-02	3.3379E-02	1.5368E-02
16208000	2	1670	1960	1680	1400	2010	1.6607E-03	4.3605E-02	1.5998E-03
16208000	5	2810	3170	2830	2340	3420	1.8964E-03	3.0642E-02	1.7859E-03
16208000	10	3660	4130	3690	2970	4580	2.5011E-03	2.7994E-02	2.2960E-03
16208000	25	4820	5440	4890	3750	6380	3.9604E-03	2.7994E-02	3.4696E-03
16208000	50	5750	6500	5870	4310	7990	5.6147E-03	2.7994E-02	4.6767E-03
16208000	100	6720	7630	6900	4850	9830	7.7695E-03	2.9306E-02	6.1414E-03
16208000	500	9180	10400	9540	6040	15100	1.4777E-02	3.3379E-02	1.0243E-02
16208500	2	601	388	533	325	873	1.6494E-02	4.3605E-02	1.1967E-02
16208500	5	1440	739	1140	714	1820	1.6430E-02	3.0642E-02	1.0695E-02
16208500	10	2170	1040	1600	982	2600	1.9892E-02	2.7994E-02	1.1629E-02
16208500	25	3260	1500	2210	1290	3770	2.8178E-02	2.7994E-02	1.4043E-02
16208500	50	4170	1900	2660	1510	4710	3.7288E-02	2.7994E-02	1.5990E-02
16208500	100	5150	2340	3150	1710	5800	4.8856E-02	2.9306E-02	1.8318E-02
16208500	500	7660	3560	4420	2200	8880	8.5015E-02	3.3379E-02	2.3969E-02
16210500	2	2360	4000	2500	1830	3420	5.3376E-03	4.3605E-02	4.7555E-03
16210500	5	5300	7830	5650	4110	7770	5.9719E-03	3.0642E-02	4.9979E-03
16210500	10	7960	11300	8590	6040	12200	7.7487E-03	2.7994E-02	6.0689E-03
16210500	25	12200	16400	13300	8790	20100	1.2008E-02	2.7994E-02	8.4035E-03
16210500	50	15900	20800	17600	11100	27900	1.6809E-02	2.7994E-02	1.0503E-02
16210500	100	20100	25600	22400	13400	37300	2.3040E-02	2.9306E-02	1.2899E-02
16210500	500	32000	38600	35600	19200	66100	4.3194E-02	3.3379E-02	1.8829E-02
16211300	2	453	610	464	354	608	3.9227E-03	4.3605E-02	3.5990E-03
16211300	5	948	1350	1000	736	1360	5.3958E-03	3.0642E-02	4.5879E-03
16211300	10	1420	2050	1540	1080	2200	7.9034E-03	2.7994E-02	6.1633E-03
16211300	25	2220	3180	2490	1620	3830	1.3430E-02	2.7994E-02	9.0760E-03
16211300	50	2980	4210	3430	2120	5560	1.9447E-02	2.7994E-02	1.1475E-02
16211300	100	3900	5410	4560	2670	7800	2.7139E-02	2.9306E-02	1.4090E-02
16211300	500	6830	8880	8010	4210	15200	5.1785E-02	3.3379E-02	2.0297E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16211500	2	261	480	329	184	589	2.6856E-02	4.3605E-02	1.6620E-02
16211500	5	922	1130	1020	584	1780	3.0414E-02	3.0642E-02	1.5264E-02
16211500	10	1730	1770	1760	986	3120	3.9212E-02	2.7994E-02	1.6333E-02
16211500	25	3340	2850	3000	1610	5580	5.8310E-02	2.7994E-02	1.8914E-02
16211500	50	5030	3850	4130	2160	7900	7.8670E-02	2.7994E-02	2.0647E-02
16211500	100	7230	5050	5460	2760	10800	1.0429E-01	2.9306E-02	2.2878E-02
16211500	500	14800	8600	9340	4370	19900	1.8453E-01	3.3379E-02	2.8266E-02
16211600	2	256	446	267	205	348	3.7112E-03	4.3605E-02	3.4202E-03
16211600	5	566	967	608	455	814	4.8082E-03	3.0642E-02	4.1560E-03
16211600	10	865	1450	957	685	1340	6.8407E-03	2.7994E-02	5.4974E-03
16211600	25	1370	2230	1580	1050	2370	1.1442E-02	2.7994E-02	8.1223E-03
16211600	50	1850	2940	2200	1390	3490	1.6517E-02	2.7994E-02	1.0388E-02
16211600	100	2440	3770	2950	1770	4930	2.3047E-02	2.9306E-02	1.2901E-02
16211600	500	4290	6140	5260	2820	9800	4.4094E-02	3.3379E-02	1.8998E-02
16211700	2	846	580	798	551	1160	8.0084E-03	4.3605E-02	6.7658E-03
16211700	5	1520	1350	1470	959	2250	1.2606E-02	3.0642E-02	8.9314E-03
16211700	10	2120	2100	2110	1310	3410	1.8922E-02	2.7994E-02	1.1290E-02
16211700	25	3070	3340	3210	1860	5550	3.1083E-02	2.7994E-02	1.4729E-02
16211700	50	3930	4500	4270	2370	7690	4.3282E-02	2.7994E-02	1.6999E-02
16211700	100	4960	5880	5550	2960	10400	5.8150E-02	2.9306E-02	1.9486E-02
16211700	500	8070	9920	9430	4610	19300	1.0330E-01	3.3379E-02	2.5228E-02
16211800	2	197	444	247	150	407	1.6824E-02	4.3605E-02	1.2140E-02
16211800	5	840	1040	902	572	1420	1.5276E-02	3.0642E-02	1.0194E-02
16211800	10	1650	1630	1640	1020	2630	1.7933E-02	2.7994E-02	1.0931E-02
16211800	25	3170	2610	2880	1700	4900	2.7189E-02	2.7994E-02	1.3793E-02
16211800	50	4700	3520	3970	2230	7060	3.8859E-02	2.7994E-02	1.6272E-02
16211800	100	6540	4610	5210	2790	9710	5.4594E-02	2.9306E-02	1.9070E-02
16211800	500	12100	7850	8700	4240	17900	1.0627E-01	3.3379E-02	2.5401E-02
16212200	2	375	192	361	289	451	2.5695E-03	4.3605E-02	2.4265E-03
16212200	5	731	486	703	551	896	3.1978E-03	3.0642E-02	2.8956E-03
16212200	10	1040	790	1000	756	1320	4.4453E-03	2.7994E-02	3.8361E-03
16212200	25	1510	1320	1470	1040	2070	7.3143E-03	2.7994E-02	5.7991E-03
16212200	50	1930	1830	1900	1280	2830	1.0501E-02	2.7994E-02	7.6363E-03
16212200	100	2410	2460	2430	1550	3790	1.4614E-02	2.9306E-02	9.7515E-03
16212200	500	3780	4390	4050	2320	7060	2.7907E-02	3.3379E-02	1.5200E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16212300	2	579	285	415	217	792	3.8772E-02	4.3605E-02	2.0524E-02
16212300	5	2020	765	1170	650	2120	3.8952E-02	3.0642E-02	1.7150E-02
16212300	10	3650	1280	1890	1040	3440	4.7297E-02	2.7994E-02	1.7585E-02
16212300	25	6560	2200	3040	1610	5730	6.6486E-02	2.7994E-02	1.9699E-02
16212300	50	9350	3120	4070	2110	7860	8.7152E-02	2.7994E-02	2.1188E-02
16212300	100	12700	4250	5320	2670	10600	1.1312E-01	2.9306E-02	2.3276E-02
16212300	500	22400	7810	9120	4260	19500	1.9342E-01	3.3379E-02	2.8467E-02
16212500	2	627	617	625	402	973	1.2313E-02	4.3605E-02	9.6016E-03
16212500	5	1440	1600	1490	956	2320	1.3965E-02	3.0642E-02	9.5930E-03
16212500	10	2180	2640	2350	1470	3770	1.8002E-02	2.7994E-02	1.0956E-02
16212500	25	3360	4450	3850	2270	6530	2.6687E-02	2.7994E-02	1.3662E-02
16212500	50	4400	6210	5340	3030	9410	3.5895E-02	2.7994E-02	1.5728E-02
16212500	100	5590	8360	7170	3900	13200	4.7450E-02	2.9306E-02	1.8117E-02
16212500	500	8930	15000	12900	6440	26000	8.3510E-02	3.3379E-02	2.3847E-02
16212601	2	496	611	499	425	585	1.2877E-03	4.3605E-02	1.2507E-03
16212601	5	805	1460	833	689	1010	1.8891E-03	3.0642E-02	1.7794E-03
16212601	10	1060	2310	1140	903	1440	2.9027E-03	2.7994E-02	2.6300E-03
16212601	25	1440	3730	1670	1240	2250	5.1906E-03	2.7994E-02	4.3787E-03
16212601	50	1770	5080	2220	1560	3150	7.7198E-03	2.7994E-02	6.0511E-03
16212601	100	2140	6680	2920	1950	4370	1.0984E-02	2.9306E-02	7.9895E-03
16212601	500	3200	11500	5290	3160	8870	2.1561E-02	3.3379E-02	1.3099E-02
16212800	2	1930	2160	1940	1660	2260	1.1982E-03	4.3605E-02	1.1662E-03
16212800	5	3060	3430	3080	2570	3690	1.6960E-03	3.0642E-02	1.6070E-03
16212800	10	3950	4420	3990	3210	4960	2.5473E-03	2.7994E-02	2.3348E-03
16212800	25	5250	5780	5320	4020	7030	4.4602E-03	2.7994E-02	3.8472E-03
16212800	50	6340	6860	6430	4630	8940	6.5673E-03	2.7994E-02	5.3194E-03
16212800	100	7550	8000	7650	5240	11200	9.2800E-03	2.9306E-02	7.0481E-03
16212800	500	10900	10800	10900	6660	17700	1.8042E-02	3.3379E-02	1.1712E-02
16213000	2	3300	3610	3320	2640	4180	2.7689E-03	4.3605E-02	2.6036E-03
16213000	5	6670	7440	6730	5310	8540	3.0647E-03	3.0642E-02	2.7861E-03
16213000	10	9490	11000	9670	7410	12600	3.9774E-03	2.7994E-02	3.4826E-03
16213000	25	13700	16400	14200	10300	19600	6.2656E-03	2.7994E-02	5.1197E-03
16213000	50	17300	21100	18100	12500	26300	8.9018E-03	2.7994E-02	6.7541E-03
16213000	100	21200	26500	22700	14900	34500	1.2361E-02	2.9306E-02	8.6941E-03
16213000	500	31800	41000	35400	20800	60200	2.3677E-02	3.3379E-02	1.3852E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16216000	2	8480	3730	8150	6640	10000	2.1617E-03	4.3605E-02	2.0596E-03
16216000	5	15000	6910	14300	11700	17500	2.0670E-03	3.0642E-02	1.9363E-03
16216000	10	19700	9660	18600	15000	23100	2.4854E-03	2.7994E-02	2.2828E-03
16216000	25	25900	13600	24000	18500	31100	3.8020E-03	2.7994E-02	3.3474E-03
16216000	50	30500	17000	27700	20500	37600	5.4297E-03	2.7994E-02	4.5476E-03
16216000	100	35100	20600	31500	22100	44700	7.6184E-03	2.9306E-02	6.0465E-03
16216000	500	45800	30200	40300	25500	63700	1.4849E-02	3.3379E-02	1.0277E-02
16223000	2	1610	1720	1620	1310	2000	2.2591E-03	4.3605E-02	2.1479E-03
16223000	5	3070	3070	3070	2440	3860	2.8026E-03	3.0642E-02	2.5678E-03
16223000	10	4300	4200	4290	3290	5580	3.8937E-03	2.7994E-02	3.4182E-03
16223000	25	6180	5830	6120	4410	8470	6.4166E-03	2.7994E-02	5.2201E-03
16223000	50	7830	7190	7660	5260	11200	9.2266E-03	2.7994E-02	6.9394E-03
16223000	100	9680	8680	9360	6110	14300	1.2860E-02	2.9306E-02	8.9377E-03
16223000	500	14900	12500	13800	8090	23700	2.4617E-02	3.3379E-02	1.4168E-02
16224500	2	926	833	922	768	1110	1.7248E-03	4.3605E-02	1.6592E-03
16224500	5	1500	1560	1500	1240	1810	1.8023E-03	3.0642E-02	1.7022E-03
16224500	10	1890	2190	1910	1560	2350	2.2589E-03	2.7994E-02	2.0902E-03
16224500	25	2400	3120	2470	1930	3180	3.4585E-03	2.7994E-02	3.0782E-03
16224500	50	2790	3920	2930	2190	3920	4.8602E-03	2.7994E-02	4.1412E-03
16224500	100	3170	4810	3430	2460	4790	6.7071E-03	2.9306E-02	5.4580E-03
16224500	500	4080	7190	4780	3100	7370	1.2745E-02	3.3379E-02	9.2234E-03
16226000	2	1020	1280	1030	829	1290	2.5048E-03	4.3605E-02	2.3687E-03
16226000	5	2060	2250	2080	1630	2660	3.3028E-03	3.0642E-02	2.9814E-03
16226000	10	3020	3050	3020	2270	4030	4.7701E-03	2.7994E-02	4.0756E-03
16226000	25	4570	4200	4490	3140	6420	8.1179E-03	2.7994E-02	6.2930E-03
16226000	50	6010	5160	5750	3810	8670	1.1828E-02	2.7994E-02	8.3147E-03
16226000	100	7720	6200	7130	4480	11300	1.6616E-02	2.9306E-02	1.0604E-02
16226000	500	12900	8900	10800	6040	19200	3.2101E-02	3.3379E-02	1.6364E-02
16226200	2	879	1330	897	731	1100	2.1457E-03	4.3605E-02	2.0450E-03
16226200	5	1340	2380	1390	1130	1730	2.4166E-03	3.0642E-02	2.2399E-03
16226200	10	1650	3250	1760	1390	2240	3.1240E-03	2.7994E-02	2.8104E-03
16226200	25	2050	4510	2300	1720	3060	4.7337E-03	2.7994E-02	4.0490E-03
16226200	50	2350	5570	2760	1990	3840	6.4975E-03	2.7994E-02	5.2735E-03
16226200	100	2650	6730	3290	2270	4760	8.7518E-03	2.9306E-02	6.7393E-03
16226200	500	3370	9740	4740	2970	7580	1.5929E-02	3.3379E-02	1.0783E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16227000	2	2000	1780	1980	1520	2590	3.7614E-03	4.3605E-02	3.4627E-03
16227000	5	3310	3360	3310	2500	4380	4.3968E-03	3.0642E-02	3.8451E-03
16227000	10	4270	4730	4340	3180	5930	5.7717E-03	2.7994E-02	4.7851E-03
16227000	25	5570	6750	5830	4030	8420	8.7392E-03	2.7994E-02	6.6600E-03
16227000	50	6590	8480	7110	4700	10700	1.1903E-02	2.7994E-02	8.3520E-03
16227000	100	7660	10400	8530	5390	13500	1.5891E-02	2.9306E-02	1.0304E-02
16227000	500	10300	15500	12400	7110	21800	2.8413E-02	3.3379E-02	1.5348E-02
16227500	2	517	477	505	306	833	1.7127E-02	4.3605E-02	1.2297E-02
16227500	5	1080	872	998	619	1610	1.7742E-02	3.0642E-02	1.1236E-02
16227500	10	1540	1200	1380	836	2270	2.1806E-02	2.7994E-02	1.2258E-02
16227500	25	2180	1690	1910	1110	3290	3.0402E-02	2.7994E-02	1.4574E-02
16227500	50	2700	2110	2340	1310	4160	3.9261E-02	2.7994E-02	1.6342E-02
16227500	100	3250	2580	2810	1520	5190	5.0134E-02	2.9306E-02	1.8495E-02
16227500	500	4600	3820	4030	2010	8080	8.3011E-02	3.3379E-02	2.3807E-02
16228000	2	987	974	986	816	1190	1.8395E-03	4.3605E-02	1.7650E-03
16228000	5	1810	1770	1810	1510	2160	1.6744E-03	3.0642E-02	1.5876E-03
16228000	10	2400	2440	2410	1980	2920	1.9754E-03	2.7994E-02	1.8452E-03
16228000	25	3180	3410	3200	2520	4060	3.0775E-03	2.7994E-02	2.7727E-03
16228000	50	3760	4240	3820	2890	5060	4.4943E-03	2.7994E-02	3.8726E-03
16228000	100	4330	5150	4470	3220	6200	6.4246E-03	2.9306E-02	5.2694E-03
16228000	500	5650	7540	6120	3970	9460	1.2841E-02	3.3379E-02	9.2737E-03
16228200	2	1020	1070	1030	823	1280	2.5482E-03	4.3605E-02	2.4075E-03
16228200	5	1800	1950	1810	1440	2270	2.7804E-03	3.0642E-02	2.5491E-03
16228200	10	2380	2700	2410	1870	3110	3.5602E-03	2.7994E-02	3.1585E-03
16228200	25	3170	3790	3270	2410	4440	5.4822E-03	2.7994E-02	4.5844E-03
16228200	50	3800	4720	3990	2810	5660	7.6730E-03	2.7994E-02	6.0223E-03
16228200	100	4460	5740	4770	3210	7100	1.0530E-02	2.9306E-02	7.7465E-03
16228200	500	6100	8440	6890	4160	11400	1.9803E-02	3.3379E-02	1.2429E-02
16228500	2	2100	1120	1920	1350	2740	7.2776E-03	4.3605E-02	6.2367E-03
16228500	5	3470	2110	3150	2220	4460	7.3872E-03	3.0642E-02	5.9522E-03
16228500	10	4400	2960	3990	2750	5790	9.0028E-03	2.7994E-02	6.8121E-03
16228500	25	5560	4220	5110	3350	7770	1.2553E-02	2.7994E-02	8.6666E-03
16228500	50	6410	5300	5980	3780	9450	1.6282E-02	2.7994E-02	1.0295E-02
16228500	100	7240	6490	6920	4200	11400	2.0905E-02	2.9306E-02	1.2201E-02
16228500	500	9110	9680	9400	5210	17000	3.5010E-02	3.3379E-02	1.7088E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16228900	2	423	303	413	323	529	3.2269E-03	4.3605E-02	3.0046E-03
16228900	5	775	575	748	570	982	4.1099E-03	3.0642E-02	3.6238E-03
16228900	10	1070	808	1020	747	1390	5.7261E-03	2.7994E-02	4.7537E-03
16228900	25	1510	1160	1410	970	2060	9.2806E-03	2.7994E-02	6.9699E-03
16228900	50	1890	1470	1740	1140	2670	1.3135E-02	2.7994E-02	8.9400E-03
16228900	100	2320	1810	2110	1310	3400	1.8046E-02	2.9306E-02	1.1169E-02
16228900	500	3510	2760	3110	1730	5580	3.3708E-02	3.3379E-02	1.6771E-02
16229000	2	1390	906	1380	1180	1610	1.2334E-03	4.3605E-02	1.1995E-03
16229000	5	2630	1660	2570	2140	3090	1.7702E-03	3.0642E-02	1.6736E-03
16229000	10	3770	2300	3610	2880	4520	2.7398E-03	2.7994E-02	2.4956E-03
16229000	25	5640	3240	5180	3860	6960	5.0246E-03	2.7994E-02	4.2600E-03
16229000	50	7400	4030	6500	4580	9210	7.6078E-03	2.7994E-02	5.9821E-03
16229000	100	9510	4910	7940	5310	11900	1.0982E-02	2.9306E-02	7.9886E-03
16229000	500	16200	7240	11700	6980	19800	2.2057E-02	3.3379E-02	1.3281E-02
16229300	2	2290	1280	2200	1720	2820	3.2323E-03	4.3605E-02	3.0093E-03
16229300	5	4360	2420	4140	3260	5250	3.0687E-03	3.0642E-02	2.7893E-03
16229300	10	5920	3400	5550	4290	7180	3.6722E-03	2.7994E-02	3.2464E-03
16229300	25	8000	4850	7360	5410	10000	5.5626E-03	2.7994E-02	4.6405E-03
16229300	50	9600	6090	8690	6100	12400	7.8896E-03	2.7994E-02	6.1549E-03
16229300	100	11200	7470	10000	6700	15000	1.1009E-02	2.9306E-02	8.0027E-03
16229300	500	15000	11100	13400	7990	22300	2.1268E-02	3.3379E-02	1.2991E-02
16235400	2	588	498	580	441	763	4.0302E-03	4.3605E-02	3.6893E-03
16235400	5	1220	953	1180	895	1560	4.2600E-03	3.0642E-02	3.7400E-03
16235400	10	1740	1350	1670	1230	2260	5.3694E-03	2.7994E-02	4.5052E-03
16235400	25	2510	1940	2370	1650	3390	8.2318E-03	2.7994E-02	6.3612E-03
16235400	50	3150	2460	2930	1950	4410	1.1554E-02	2.7994E-02	8.1785E-03
16235400	100	3840	3040	3540	2240	5600	1.5920E-02	2.9306E-02	1.0316E-02
16235400	500	5660	4630	5150	2920	9080	3.0167E-02	3.3379E-02	1.5846E-02
16237500	2	378	497	383	310	474	2.3217E-03	4.3605E-02	2.2043E-03
16237500	5	678	968	700	554	884	2.9350E-03	3.0642E-02	2.6784E-03
16237500	10	924	1380	973	743	1270	4.1000E-03	2.7994E-02	3.5763E-03
16237500	25	1290	2010	1410	1010	1960	6.7284E-03	2.7994E-02	5.4246E-03
16237500	50	1600	2550	1800	1230	2640	9.6187E-03	2.7994E-02	7.1589E-03
16237500	100	1950	3170	2270	1470	3500	1.3331E-02	2.9306E-02	9.1628E-03
16237500	500	2910	4860	3630	2110	6230	2.5264E-02	3.3379E-02	1.4380E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16238500	2	656	634	655	537	800	2.0404E-03	4.3605E-02	1.9492E-03
16238500	5	1250	1110	1240	1010	1540	2.3754E-03	3.0642E-02	2.2045E-03
16238500	10	1750	1500	1720	1350	2190	3.1819E-03	2.7994E-02	2.8571E-03
16238500	25	2490	2070	2420	1800	3260	5.1317E-03	2.7994E-02	4.3367E-03
16238500	50	3120	2540	2990	2120	4210	7.3475E-03	2.7994E-02	5.8199E-03
16238500	100	3810	3060	3600	2430	5330	1.0239E-02	2.9306E-02	7.5882E-03
16238500	500	5700	4420	5190	3140	8570	1.9672E-02	3.3379E-02	1.2377E-02
16240500	2	576	565	576	498	667	1.0699E-03	4.3605E-02	1.0443E-03
16240500	5	1030	1010	1030	868	1220	1.4923E-03	3.0642E-02	1.4230E-03
16240500	10	1420	1380	1420	1160	1750	2.2633E-03	2.7994E-02	2.0940E-03
16240500	25	2040	1910	2020	1540	2640	4.0701E-03	2.7994E-02	3.5534E-03
16240500	50	2590	2370	2550	1850	3510	6.1047E-03	2.7994E-02	5.0117E-03
16240500	100	3230	2870	3150	2170	4560	8.7556E-03	2.9306E-02	6.7415E-03
16240500	500	5150	4190	4800	2960	7770	1.7427E-02	3.3379E-02	1.1449E-02
16244000	2	422	505	425	346	524	2.2291E-03	4.3605E-02	2.1207E-03
16244000	5	815	944	825	660	1030	2.6506E-03	3.0642E-02	2.4395E-03
16244000	10	1150	1320	1170	903	1500	3.5941E-03	2.7994E-02	3.1851E-03
16244000	25	1650	1870	1680	1230	2310	5.8359E-03	2.7994E-02	4.8292E-03
16244000	50	2080	2350	2140	1490	3070	8.3638E-03	2.7994E-02	6.4398E-03
16244000	100	2560	2890	2650	1760	4010	1.1651E-02	2.9306E-02	8.3368E-03
16244000	500	3900	4330	4070	2410	6860	2.2341E-02	3.3379E-02	1.3383E-02
16246000	2	387	428	390	305	498	3.1446E-03	4.3605E-02	2.9331E-03
16246000	5	740	823	748	589	949	3.0879E-03	3.0642E-02	2.8052E-03
16246000	10	1010	1170	1030	793	1330	3.7542E-03	2.7994E-02	3.3103E-03
16246000	25	1380	1680	1430	1050	1950	5.7062E-03	2.7994E-02	4.7400E-03
16246000	50	1670	2130	1760	1230	2520	8.0678E-03	2.7994E-02	6.2628E-03
16246000	100	1970	2640	2130	1420	3200	1.1218E-02	2.9306E-02	8.1127E-03
16246000	500	2680	4030	3150	1880	5280	2.1577E-02	3.3379E-02	1.3106E-02
16247200	2	921	377	834	609	1140	5.4646E-03	4.3605E-02	4.8561E-03
16247200	5	1440	812	1310	950	1800	5.9858E-03	3.0642E-02	5.0076E-03
16247200	10	1780	1220	1650	1160	2330	7.5477E-03	2.7994E-02	5.9449E-03
16247200	25	2220	1870	2120	1420	3160	1.0767E-02	2.7994E-02	7.7762E-03
16247200	50	2550	2460	2520	1630	3900	1.4067E-02	2.7994E-02	9.3625E-03
16247200	100	2880	3140	2970	1850	4790	1.8118E-02	2.9306E-02	1.1196E-02
16247200	500	3630	5110	4270	2420	7550	3.0429E-02	3.3379E-02	1.5918E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16247500	2	552	425	544	433	682	2.6835E-03	4.3605E-02	2.5279E-03
16247500	5	1050	939	1040	800	1350	3.7532E-03	3.0642E-02	3.3437E-03
16247500	10	1500	1430	1490	1090	2020	5.5709E-03	2.7994E-02	4.6462E-03
16247500	25	2220	2210	2220	1510	3250	9.6096E-03	2.7994E-02	7.1538E-03
16247500	50	2880	2930	2900	1870	4480	1.4029E-02	2.7994E-02	9.3453E-03
16247500	100	3660	3780	3710	2270	6050	1.9695E-02	2.9306E-02	1.1779E-02
16247500	500	6050	6220	6140	3360	11200	3.7919E-02	3.3379E-02	1.7752E-02
16247900	2	398	205	376	285	496	4.1130E-03	4.3605E-02	3.7585E-03
16247900	5	827	494	759	550	1050	6.0875E-03	3.0642E-02	5.0786E-03
16247900	10	1250	783	1110	761	1620	9.2708E-03	2.7994E-02	6.9644E-03
16247900	25	1970	1270	1680	1060	2650	1.6226E-02	2.7994E-02	1.0272E-02
16247900	50	2680	1740	2200	1320	3670	2.3775E-02	2.7994E-02	1.2856E-02
16247900	100	3570	2300	2820	1610	4960	3.3418E-02	2.9306E-02	1.5614E-02
16247900	500	6520	4010	4730	2430	9240	6.4322E-02	3.3379E-02	2.1975E-02
16248800	2	346	690	368	262	519	6.3378E-03	6.3044E-02	5.7589E-03
16248800	5	798	1310	845	613	1160	5.7020E-03	4.3605E-02	5.0426E-03
16248800	10	1170	1830	1250	893	1760	6.6616E-03	3.7645E-02	5.6600E-03
16248800	25	1710	2580	1870	1250	2780	1.0024E-02	3.6202E-02	7.8506E-03
16248800	50	2130	3220	2390	1520	3780	1.4256E-02	3.6202E-02	1.0228E-02
16248800	100	2570	3890	2960	1760	4970	1.9948E-02	3.9107E-02	1.3210E-02
16248800	500	3630	5700	4430	2290	8580	3.8553E-02	4.8262E-02	2.1432E-02
16249000	2	1640	1020	1540	1030	2320	9.3789E-03	6.3044E-02	8.1643E-03
16249000	5	3020	1930	2730	1750	4260	1.2447E-02	4.3605E-02	9.6828E-03
16249000	10	4170	2680	3630	2220	5920	1.7190E-02	3.7645E-02	1.1801E-02
16249000	25	5900	3770	4880	2800	8530	2.6332E-02	3.6202E-02	1.5244E-02
16249000	50	7390	4670	5890	3220	10800	3.5459E-02	3.6202E-02	1.7913E-02
16249000	100	9070	5630	7000	3630	13500	4.6537E-02	3.9107E-02	2.1250E-02
16249000	500	13800	8160	9940	4540	21700	7.9975E-02	4.8262E-02	3.0099E-02
16249100	2	109	190	113	83.4	153	4.9231E-03	6.3044E-02	4.5665E-03
16249100	5	250	366	260	191	354	5.2508E-03	4.3605E-02	4.6865E-03
16249100	10	377	518	395	282	555	6.6562E-03	3.7645E-02	5.6561E-03
16249100	25	575	745	609	407	912	1.0265E-02	3.6202E-02	7.9972E-03
16249100	50	749	940	799	505	1260	1.4450E-02	3.6202E-02	1.0328E-02
16249100	100	944	1160	1010	603	1700	1.9950E-02	3.9107E-02	1.3211E-02
16249100	500	1480	1750	1600	826	3080	3.7918E-02	4.8262E-02	2.1235E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16254000	2	821	985	831	624	1110	4.2976E-03	6.3044E-02	4.0233E-03
16254000	5	1890	1870	1890	1390	2570	5.1241E-03	4.3605E-02	4.5853E-03
16254000	10	2920	2590	2870	2030	4050	6.9333E-03	3.7645E-02	5.8550E-03
16254000	25	4620	3640	4370	2880	6630	1.1167E-02	3.6202E-02	8.5344E-03
16254000	50	6210	4510	5630	3500	9050	1.5903E-02	3.6202E-02	1.1049E-02
16254000	100	8080	5440	7010	4100	12000	2.2037E-02	3.9107E-02	1.4094E-02
16254000	500	13800	7900	10600	5410	20900	4.1895E-02	4.8262E-02	2.2427E-02
16260500	2	1700	2100	1720	1330	2230	3.5112E-03	6.3044E-02	3.3260E-03
16260500	5	3330	3960	3380	2570	4460	4.0915E-03	4.3605E-02	3.7405E-03
16260500	10	4700	5440	4790	3510	6530	5.4339E-03	3.7645E-02	4.7485E-03
16260500	25	6740	7560	6890	4740	10000	8.5578E-03	3.6202E-02	6.9216E-03
16260500	50	8490	9310	8690	5660	13300	1.2036E-02	3.6202E-02	9.0331E-03
16260500	100	10400	11100	10600	6530	17300	1.6528E-02	3.9107E-02	1.1618E-02
16260500	500	15700	15800	15700	8470	29300	3.1008E-02	4.8262E-02	1.8879E-02
16265600	2	791	614	780	599	1020	3.6129E-03	6.3044E-02	3.4171E-03
16265600	5	1210	1170	1210	876	1670	5.7344E-03	4.3605E-02	5.0679E-03
16265600	10	1550	1630	1560	1070	2280	8.7002E-03	3.7645E-02	7.0669E-03
16265600	25	2030	2310	2110	1330	3340	1.4529E-02	3.6202E-02	1.0368E-02
16265600	50	2440	2870	2590	1550	4340	2.0461E-02	3.6202E-02	1.3073E-02
16265600	100	2900	3480	3130	1760	5560	2.7755E-02	3.9107E-02	1.6234E-02
16265600	500	4160	5120	4630	2280	9390	5.0147E-02	4.8262E-02	2.4593E-02
16270900	2	198	328	204	156	266	3.6594E-03	6.3044E-02	3.4586E-03
16270900	5	367	629	386	288	517	4.6385E-03	4.3605E-02	4.1925E-03
16270900	10	508	884	550	394	769	6.4293E-03	3.7645E-02	5.4914E-03
16270900	25	719	1260	815	543	1220	1.0339E-02	3.6202E-02	8.0421E-03
16270900	50	902	1580	1060	669	1680	1.4559E-02	3.6202E-02	1.0383E-02
16270900	100	1110	1930	1340	795	2240	1.9923E-02	3.9107E-02	1.3199E-02
16270900	500	1680	2890	2120	1110	4080	3.6975E-02	4.8262E-02	2.0936E-02
16275000	2	571	564	570	459	708	2.3813E-03	6.3044E-02	2.2947E-03
16275000	5	1210	1080	1200	940	1540	3.2281E-03	4.3605E-02	3.0056E-03
16275000	10	1830	1500	1790	1340	2410	4.7681E-03	3.7645E-02	4.2321E-03
16275000	25	2890	2130	2730	1880	3960	8.3148E-03	3.6202E-02	6.7618E-03
16275000	50	3910	2650	3540	2300	5450	1.2268E-02	3.6202E-02	9.1632E-03
16275000	100	5150	3220	4460	2720	7310	1.7389E-02	3.9107E-02	1.2037E-02
16275000	500	9160	4740	6980	3690	13200	3.4025E-02	4.8262E-02	1.9956E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16278000	2	43.1	239	52.5	35.7	77	8.1664E-03	6.3044E-02	7.2299E-03
16278000	5	108	459	149	95.4	233	1.2642E-02	4.3605E-02	9.8007E-03
16278000	10	181	648	280	168	467	1.9535E-02	3.7645E-02	1.2861E-02
16278000	25	326	929	542	298	986	3.4254E-02	3.6202E-02	1.7601E-02
16278000	50	484	1170	808	420	1550	5.0035E-02	3.6202E-02	2.1005E-02
16278000	100	701	1430	1110	542	2260	7.0060E-02	3.9107E-02	2.5097E-02
16278000	500	1540	2160	1970	843	4620	1.3378E-01	4.8262E-02	3.5467E-02
16279500	2	956	924	950	598	1510	1.2645E-02	6.3044E-02	1.0533E-02
16279500	5	2630	1750	2380	1490	3800	1.4153E-02	4.3605E-02	1.0685E-02
16279500	10	4370	2430	3610	2190	5950	1.8237E-02	3.7645E-02	1.2285E-02
16279500	25	7390	3420	5300	3010	9320	2.7576E-02	3.6202E-02	1.5653E-02
16279500	50	10300	4250	6550	3540	12100	3.7830E-02	3.6202E-02	1.8499E-02
16279500	100	13800	5120	7870	4020	15400	5.0949E-02	3.9107E-02	2.2125E-02
16279500	500	24400	7450	11200	5010	25000	9.2738E-02	4.8262E-02	3.1743E-02
16283000	2	130	63.2	125	95.8	162	3.6005E-03	6.3044E-02	3.4060E-03
16283000	5	258	123	236	171	326	5.8347E-03	4.3605E-02	5.1461E-03
16283000	10	384	176	328	222	485	9.3559E-03	3.7645E-02	7.4935E-03
16283000	25	606	257	460	283	748	1.7129E-02	3.6202E-02	1.1627E-02
16283000	50	828	328	564	324	980	2.5637E-02	3.6202E-02	1.5009E-02
16283000	100	1110	409	685	368	1270	3.6569E-02	3.9107E-02	1.8898E-02
16283000	500	2080	637	1030	476	2210	7.1856E-02	4.8262E-02	2.8871E-02
16283200	2	427	492	429	343	537	2.5639E-03	6.3044E-02	2.4637E-03
16283200	5	663	939	676	542	843	2.5502E-03	4.3605E-02	2.4093E-03
16283200	10	818	1310	848	666	1080	3.0998E-03	3.7645E-02	2.8640E-03
16283200	25	1010	1860	1080	811	1440	4.5481E-03	3.6202E-02	4.0405E-03
16283200	50	1150	2330	1270	916	1770	6.2225E-03	3.6202E-02	5.3098E-03
16283200	100	1280	2830	1470	1010	2140	8.4071E-03	3.9107E-02	6.9195E-03
16283200	500	1580	4180	2000	1230	3250	1.5435E-02	4.8262E-02	1.1695E-02
16283480	2	808	1090	828	597	1150	5.7160E-03	6.3044E-02	5.2408E-03
16283480	5	1670	2060	1730	1190	2520	8.3607E-03	4.3605E-02	7.0156E-03
16283480	10	2510	2860	2590	1670	4010	1.2478E-02	3.7645E-02	9.3714E-03
16283480	25	3930	4010	3960	2350	6670	2.1156E-02	3.6202E-02	1.3353E-02
16283480	50	5310	4970	5150	2880	9200	3.0376E-02	3.6202E-02	1.6517E-02
16283480	100	7010	5980	6460	3400	12300	4.2006E-02	3.9107E-02	2.0252E-02
16283480	500	12500	8660	9970	4570	21800	7.8755E-02	4.8262E-02	2.9924E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16283600	2	97.7	60.2	95.6	75.2	122	2.9615E-03	6.3044E-02	2.8287E-03
16283600	5	177	117	171	131	224	3.9182E-03	4.3605E-02	3.5952E-03
16283600	10	244	168	232	170	319	5.5851E-03	3.7645E-02	4.8636E-03
16283600	25	345	245	322	219	474	9.2292E-03	3.6202E-02	7.3543E-03
16283600	50	434	313	398	255	620	1.3172E-02	3.6202E-02	9.6583E-03
16283600	100	534	390	483	292	799	1.8195E-02	3.9107E-02	1.2417E-02
16283600	500	819	609	724	382	1370	3.4210E-02	4.8262E-02	2.0019E-02
16283700	2	78.6	54.8	77.6	63	95.6	2.2098E-03	6.3044E-02	2.1349E-03
16283700	5	132	107	130	102	164	2.9438E-03	4.3605E-02	2.7576E-03
16283700	10	174	153	171	130	226	4.2130E-03	3.7645E-02	3.7889E-03
16283700	25	235	224	233	165	329	6.9845E-03	3.6202E-02	5.8549E-03
16283700	50	286	286	286	192	427	9.9825E-03	3.6202E-02	7.8249E-03
16283700	100	343	357	347	220	547	1.3800E-02	3.9107E-02	1.0201E-02
16283700	500	498	559	519	289	932	2.5974E-02	4.8262E-02	1.6886E-02
16284000	2	422	552	427	330	553	3.4422E-03	6.3044E-02	3.2640E-03
16284000	5	871	1050	887	665	1180	4.4980E-03	4.3605E-02	4.0774E-03
16284000	10	1290	1470	1310	939	1830	6.4137E-03	3.7645E-02	5.4800E-03
16284000	25	1960	2080	1990	1320	3000	1.0706E-02	3.6202E-02	8.2627E-03
16284000	50	2590	2600	2590	1620	4150	1.5415E-02	3.6202E-02	1.0811E-02
16284000	100	3330	3150	3270	1920	5560	2.1456E-02	3.9107E-02	1.3855E-02
16284000	500	5600	4640	5140	2630	10100	4.0873E-02	4.8262E-02	2.2131E-02
16284200	2	536	556	537	434	664	2.2959E-03	6.3044E-02	2.2152E-03
16284200	5	873	1060	882	710	1100	2.4540E-03	4.3605E-02	2.3233E-03
16284200	10	1110	1480	1140	892	1450	3.1007E-03	3.7645E-02	2.8647E-03
16284200	25	1420	2100	1490	1110	1990	4.7024E-03	3.6202E-02	4.1618E-03
16284200	50	1660	2620	1780	1270	2490	6.5269E-03	3.6202E-02	5.5299E-03
16284200	100	1900	3180	2090	1420	3070	8.9022E-03	3.9107E-02	7.2515E-03
16284200	500	2470	4680	2910	1760	4800	1.6587E-02	4.8262E-02	1.2344E-02
16291000	2	600	619	602	403	901	9.0897E-03	6.3044E-02	7.9443E-03
16291000	5	1160	1180	1160	745	1820	1.2585E-02	4.3605E-02	9.7665E-03
16291000	10	1650	1640	1650	1000	2710	1.7830E-02	3.7645E-02	1.2099E-02
16291000	25	2430	2320	2380	1350	4200	2.8103E-02	3.6202E-02	1.5821E-02
16291000	50	3140	2900	3010	1630	5580	3.8495E-02	3.6202E-02	1.8657E-02
16291000	100	3960	3510	3700	1890	7240	5.1216E-02	3.9107E-02	2.2175E-02
16291000	500	6380	5160	5560	2500	12400	9.0031E-02	4.8262E-02	3.1420E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16294900	2	2200	1060	2140	1720	2670	2.4739E-03	6.3044E-02	2.3805E-03
16294900	5	3980	2010	3850	3110	4750	2.3280E-03	4.3605E-02	2.2100E-03
16294900	10	5260	2790	5040	4010	6340	2.7777E-03	3.7645E-02	2.5868E-03
16294900	25	6940	3910	6540	4950	8630	4.2340E-03	3.6202E-02	3.7907E-03
16294900	50	8200	4850	7610	5500	10500	6.0452E-03	3.6202E-02	5.1802E-03
16294900	100	9460	5840	8680	5950	12600	8.4830E-03	3.9107E-02	6.9709E-03
16294900	500	12400	8460	11200	6800	18500	1.6524E-02	4.8262E-02	1.2310E-02
16296500	2	3380	1570	3350	2990	3760	6.5134E-04	6.3044E-02	6.4468E-04
16296500	5	4600	2970	4570	4080	5120	6.4590E-04	4.3605E-02	6.3647E-04
16296500	10	5340	4090	5310	4680	6020	7.8970E-04	3.7645E-02	7.7348E-04
16296500	25	6200	5710	6180	5300	7220	1.2072E-03	3.6202E-02	1.1682E-03
16296500	50	6800	7050	6810	5670	8170	1.7117E-03	3.6202E-02	1.6344E-03
16296500	100	7360	8460	7410	5990	9180	2.3850E-03	3.9107E-02	2.2479E-03
16296500	500	8560	12100	8820	6580	11800	4.6029E-03	4.8262E-02	4.2022E-03
16303000	2	1840	1250	1820	1550	2150	1.3152E-03	6.3044E-02	1.2884E-03
16303000	5	2960	2370	2940	2480	3480	1.4597E-03	4.3605E-02	1.4124E-03
16303000	10	3760	3280	3740	3080	4530	1.8963E-03	3.7645E-02	1.8054E-03
16303000	25	4820	4590	4810	3790	6090	2.9847E-03	3.6202E-02	2.7574E-03
16303000	50	5650	5670	5650	4280	7460	4.2355E-03	3.6202E-02	3.7919E-03
16303000	100	6490	6820	6530	4730	9020	5.8748E-03	3.9107E-02	5.1075E-03
16303000	500	8550	9840	8780	5710	13500	1.1231E-02	4.8262E-02	9.1111E-03
16304200	2	835	613	825	663	1030	2.4295E-03	6.3044E-02	2.3394E-03
16304200	5	1460	1170	1440	1160	1790	2.4435E-03	4.3605E-02	2.3138E-03
16304200	10	1900	1630	1880	1480	2390	3.0031E-03	3.7645E-02	2.7812E-03
16304200	25	2500	2300	2470	1860	3290	4.5600E-03	3.6202E-02	4.0499E-03
16304200	50	2950	2870	2930	2100	4090	6.4128E-03	3.6202E-02	5.4478E-03
16304200	100	3400	3480	3420	2330	5010	8.8695E-03	3.9107E-02	7.2298E-03
16304200	500	4480	5120	4640	2800	7680	1.6921E-02	4.8262E-02	1.2528E-02
16304500	2	1780	1020	1740	1400	2170	2.4805E-03	6.3044E-02	2.3866E-03
16304500	5	2550	1940	2510	1990	3160	2.7865E-03	4.3605E-02	2.6191E-03
16304500	10	3050	2690	3020	2330	3910	3.5718E-03	3.7645E-02	3.2622E-03
16304500	25	3670	3770	3680	2710	5000	5.2574E-03	3.6202E-02	4.5908E-03
16304500	50	4130	4680	4210	2980	5950	7.0400E-03	3.6202E-02	5.8938E-03
16304500	100	4570	5640	4760	3220	7030	9.2719E-03	3.9107E-02	7.4949E-03
16304500	500	5580	8170	6150	3740	10100	1.6219E-02	4.8262E-02	1.2139E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16310501	2	1280	1680	1320	873	2010	9.8286E-03	6.3044E-02	8.5030E-03
16310501	5	2790	3160	2860	1870	4370	1.1090E-02	4.3605E-02	8.8417E-03
16310501	10	4130	4360	4190	2650	6630	1.4285E-02	3.7645E-02	1.0355E-02
16310501	25	6190	6080	6150	3650	10400	2.1289E-02	3.6202E-02	1.3406E-02
16310501	50	7980	7500	7770	4380	13800	2.8798E-02	3.6202E-02	1.6039E-02
16310501	100	9990	8990	9480	5060	17800	3.8278E-02	3.9107E-02	1.9344E-02
16310501	500	15500	12900	13900	6530	29700	6.8059E-02	4.8262E-02	2.8238E-02
16325000	2	1210	1290	1220	1030	1440	1.4707E-03	4.3605E-02	1.4227E-03
16325000	5	1900	2230	1920	1580	2350	2.0899E-03	3.0642E-02	1.9565E-03
16325000	10	2440	3000	2490	1960	3170	3.1177E-03	2.7994E-02	2.8053E-03
16325000	25	3220	4090	3350	2470	4530	5.3764E-03	2.7994E-02	4.5102E-03
16325000	50	3870	5000	4100	2880	5830	7.8335E-03	2.7994E-02	6.1207E-03
16325000	100	4590	5990	4940	3300	7390	1.0975E-02	2.9306E-02	7.9846E-03
16325000	500	6550	8510	7250	4340	12100	2.1045E-02	3.3379E-02	1.2907E-02
16330000	2	2620	2090	2600	2210	3060	1.3714E-03	4.3605E-02	1.3296E-03
16330000	5	4330	3850	4290	3520	5230	2.0463E-03	3.0642E-02	1.9182E-03
16330000	10	5750	5350	5710	4490	7260	3.1774E-03	2.7994E-02	2.8535E-03
16330000	25	7930	7540	7860	5760	10700	5.7361E-03	2.7994E-02	4.7606E-03
16330000	50	9840	9400	9740	6760	14000	8.5698E-03	2.7994E-02	6.5612E-03
16330000	100	12000	11400	11900	7790	18000	1.2231E-02	2.9306E-02	8.6296E-03
16330000	500	18500	16800	17700	10400	30300	2.4114E-02	3.3379E-02	1.4000E-02
16331000	2	54	379	89.3	55.3	144	1.5179E-02	4.3605E-02	1.1260E-02
16331000	5	221	851	360	224	580	1.7467E-02	3.0642E-02	1.1125E-02
16331000	10	453	1300	729	439	1210	2.3043E-02	2.7994E-02	1.2639E-02
16331000	25	960	2040	1470	833	2590	3.6166E-02	2.7994E-02	1.5780E-02
16331000	50	1550	2720	2230	1220	4090	5.0854E-02	2.7994E-02	1.8055E-02
16331000	100	2370	3520	3130	1640	5990	6.9862E-02	2.9306E-02	2.0646E-02
16331000	500	5530	5860	5790	2770	12100	1.3127E-01	3.3379E-02	2.6612E-02
16340000	2	2570	3210	2600	2130	3160	1.9959E-03	4.3605E-02	1.9086E-03
16340000	5	4630	5600	4710	3720	5960	2.9836E-03	3.0642E-02	2.7189E-03
16340000	10	6460	7580	6610	4970	8780	4.6263E-03	2.7994E-02	3.9702E-03
16340000	25	9410	10400	9620	6700	13800	8.3224E-03	2.7994E-02	6.4152E-03
16340000	50	12100	12700	12300	8090	18700	1.2404E-02	2.7994E-02	8.5952E-03
16340000	100	15400	15200	15300	9520	24600	1.7669E-02	2.9306E-02	1.1023E-02
16340000	500	25300	21500	23300	12900	41900	3.4725E-02	3.3379E-02	1.7019E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16343000	2	3990	2580	3560	2200	5770	1.5416E-02	4.3605E-02	1.1389E-02
16343000	5	9490	4800	7450	4650	11900	1.6862E-02	3.0642E-02	1.0877E-02
16343000	10	14500	6710	10400	6330	17100	2.1319E-02	2.7994E-02	1.2102E-02
16343000	25	22500	9500	14300	8270	24700	3.0981E-02	2.7994E-02	1.4706E-02
16343000	50	29500	11900	17200	9590	30800	4.1219E-02	2.7994E-02	1.6671E-02
16343000	100	37400	14500	20200	10900	37700	5.4037E-02	2.9306E-02	1.9001E-02
16343000	500	59200	21300	27800	13700	56500	9.3857E-02	3.3379E-02	2.4623E-02
16345000	2	1950	1800	1940	1670	2260	1.1524E-03	4.3605E-02	1.1228E-03
16345000	5	2980	2830	2970	2540	3480	1.2810E-03	3.0642E-02	1.2296E-03
16345000	10	3690	3630	3680	3080	4400	1.6631E-03	2.7994E-02	1.5699E-03
16345000	25	4600	4710	4610	3700	5750	2.6066E-03	2.7994E-02	2.3846E-03
16345000	50	5300	5570	5330	4120	6890	3.6859E-03	2.7994E-02	3.2570E-03
16345000	100	6000	6480	6070	4510	8170	5.0970E-03	2.9306E-02	4.3418E-03
16345000	500	7670	8720	7890	5340	11700	9.6965E-03	3.3379E-02	7.5138E-03
16350000	2	1510	1740	1520	1210	1910	2.7066E-03	4.3605E-02	2.5484E-03
16350000	5	2920	3090	2930	2310	3720	3.0400E-03	3.0642E-02	2.7656E-03
16350000	10	4070	4210	4090	3130	5340	3.9713E-03	2.7994E-02	3.4779E-03
16350000	25	5770	5830	5780	4190	7980	6.2518E-03	2.7994E-02	5.1105E-03
16350000	50	7190	7170	7180	4960	10400	8.8522E-03	2.7994E-02	6.7255E-03
16350000	100	8730	8640	8710	5730	13200	1.2248E-02	2.9306E-02	8.6380E-03
16350000	500	12900	12400	12700	7470	21500	2.3311E-02	3.3379E-02	1.3725E-02
16400000	2	2630	2450	2620	2300	2980	8.4550E-04	2.4200E-02	8.1696E-04
16400000	5	4390	4340	4380	3730	5150	1.4206E-03	1.1435E-02	1.2636E-03
16400000	10	5990	6050	6000	4950	7280	2.4385E-03	7.3975E-03	1.8340E-03
16400000	25	8620	9050	8820	7020	11100	4.9469E-03	5.3736E-03	2.5757E-03
16400000	50	11100	12000	11700	9120	14900	7.8704E-03	4.7677E-03	2.9691E-03
16400000	100	14200	15700	15200	11600	20000	1.1763E-02	5.3736E-03	3.6885E-03
16400000	500	24000	27200	26500	19400	36300	2.4830E-02	6.0141E-03	4.8415E-03
16402000	2	2340	2280	2330	1750	3090	4.7417E-03	2.4200E-02	3.9648E-03
16402000	5	4690	4050	4440	3310	5960	6.7757E-03	1.1435E-02	4.2546E-03
16402000	10	6890	5660	6150	4580	8260	1.0025E-02	7.3975E-03	4.2566E-03
16402000	25	10600	8460	8920	6690	11900	1.6955E-02	5.3736E-03	4.0804E-03
16402000	50	14000	11200	11600	8740	15500	2.4364E-02	4.7677E-03	3.9874E-03
16402000	100	18200	14600	15000	11100	20500	3.3743E-02	5.3736E-03	4.6354E-03
16402000	500	31400	25200	25700	18400	35900	6.3485E-02	6.0141E-03	5.4937E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16403000	2	736	608	721	572	909	2.9686E-03	2.4200E-02	2.6443E-03
16403000	5	1270	1200	1250	971	1600	4.2531E-03	1.1435E-02	3.1000E-03
16403000	10	1710	1720	1710	1320	2230	6.2935E-03	7.3975E-03	3.4005E-03
16403000	25	2380	2530	2480	1890	3250	1.0628E-02	5.3736E-03	3.5691E-03
16403000	50	2970	3260	3190	2430	4180	1.5253E-02	4.7677E-03	3.6323E-03
16403000	100	3640	4100	4000	2980	5380	2.1099E-02	5.3736E-03	4.2828E-03
16403000	500	5560	6560	6420	4630	8890	3.9614E-02	6.0141E-03	5.2214E-03
16404000	2	1380	1260	1360	999	1840	5.6388E-03	2.4200E-02	4.5732E-03
16404000	5	2870	2350	2660	1980	3580	6.9568E-03	1.1435E-02	4.3253E-03
16404000	10	4210	3320	3680	2750	4930	9.4808E-03	7.3975E-03	4.1553E-03
16404000	25	6330	4930	5260	3960	6990	1.5006E-02	5.3736E-03	3.9567E-03
16404000	50	8230	6460	6760	5100	8950	2.0971E-02	4.7677E-03	3.8846E-03
16404000	100	10400	8270	8580	6330	11600	2.8552E-02	5.3736E-03	4.5224E-03
16404000	500	16800	13800	14100	10100	19600	5.2624E-02	6.0141E-03	5.3973E-03
16404200	2	166	169	167	122	228	5.8927E-03	2.4200E-02	4.7388E-03
16404200	5	348	369	356	265	478	6.8393E-03	1.1435E-02	4.2796E-03
16404200	10	507	539	524	393	699	9.0033E-03	7.3975E-03	4.0609E-03
16404200	25	751	782	773	584	1020	1.3886E-02	5.3736E-03	3.8743E-03
16404200	50	965	981	978	740	1290	1.9227E-02	4.7677E-03	3.8204E-03
16404200	100	1210	1190	1190	882	1610	2.6056E-02	5.3736E-03	4.4549E-03
16404200	500	1880	1770	1780	1280	2480	4.7836E-02	6.0141E-03	5.3424E-03
16405000	2	872	457	805	629	1030	3.4091E-03	2.4200E-02	2.9882E-03
16405000	5	1550	922	1330	1030	1730	4.7647E-03	1.1435E-02	3.3633E-03
16405000	10	2130	1320	1690	1290	2210	6.9536E-03	7.3975E-03	3.5844E-03
16405000	25	3020	1940	2230	1700	2930	1.1606E-02	5.3736E-03	3.6730E-03
16405000	50	3800	2490	2740	2080	3600	1.6567E-02	4.7677E-03	3.7023E-03
16405000	100	4690	3110	3360	2500	4530	2.2836E-02	5.3736E-03	4.3500E-03
16405000	500	7290	4890	5140	3700	7130	4.2672E-02	6.0141E-03	5.2712E-03
16405500	2	1180	933	1160	942	1420	2.2945E-03	2.4200E-02	2.0957E-03
16405500	5	2120	1780	2060	1670	2530	2.6248E-03	1.1435E-02	2.1348E-03
16405500	10	2860	2530	2750	2210	3430	3.4602E-03	7.3975E-03	2.3575E-03
16405500	25	3910	3740	3820	3020	4840	5.4596E-03	5.3736E-03	2.7081E-03
16405500	50	4770	4870	4830	3780	6170	7.7164E-03	4.7677E-03	2.9469E-03
16405500	100	5690	6190	6020	4600	7880	1.0650E-02	5.3736E-03	3.5715E-03
16405500	500	8080	10100	9600	7060	13000	2.0168E-02	6.0141E-03	4.6327E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16408000	2	1430	1910	1460	1220	1740	1.6258E-03	2.4200E-02	1.5235E-03
16408000	5	2710	3450	2830	2310	3470	2.4735E-03	1.1435E-02	2.0336E-03
16408000	10	3920	4840	4210	3350	5300	3.9369E-03	7.3975E-03	2.5695E-03
16408000	25	5940	7220	6650	5170	8550	7.3503E-03	5.3736E-03	3.1042E-03
16408000	50	7890	9550	9020	6950	11700	1.1197E-02	4.7677E-03	3.3439E-03
16408000	100	10300	12400	11800	8880	15800	1.6218E-02	5.3736E-03	4.0362E-03
16408000	500	18100	21100	20600	14900	28400	3.2693E-02	6.0141E-03	5.0797E-03
16411300	2	19.5	63.5	19.9	12.7	31.2	1.0068E-02	6.9311E-01	9.9235E-03
16411300	5	47.6	173	49.8	32	77.6	9.9911E-03	2.7246E-01	9.6376E-03
16411300	10	72.8	276	79.7	49.3	129	1.2136E-02	1.6824E-01	1.1320E-02
16411300	25	111	433	131	74.4	231	1.7847E-02	1.3074E-01	1.5703E-02
16411300	50	144	570	175	90.8	336	2.4478E-02	1.4957E-01	2.1035E-02
16411300	100	180	722	231	110	486	3.3147E-02	1.4957E-01	2.7134E-02
16411300	500	273	1130	371	138	996	6.1088E-02	2.2231E-01	4.7920E-02
16411320	2	13.5	119	16.9	5.1	56.3	7.9282E-02	6.9311E-01	7.1144E-02
16411320	5	198	345	222	77.1	637	6.8498E-02	2.7246E-01	5.4737E-02
16411320	10	667	576	637	224	1810	7.8681E-02	1.6824E-01	5.3609E-02
16411320	25	2130	952	1450	473	4470	1.1741E-01	1.3074E-01	6.1859E-02
16411320	50	4180	1290	2250	634	7990	1.6661E-01	1.4957E-01	7.8815E-02
16411320	100	7350	1670	2980	764	11600	2.3262E-01	1.4957E-01	9.1035E-02
16411320	500	20200	2750	5340	939	30400	4.4596E-01	2.2231E-01	1.4835E-01
16411400	2	293	240	292	164	521	1.6890E-02	6.9311E-01	1.6488E-02
16411400	5	962	737	946	522	1710	1.8536E-02	2.7246E-01	1.7355E-02
16411400	10	1740	1300	1680	874	3210	2.3657E-02	1.6824E-01	2.0741E-02
16411400	25	3190	2280	2970	1390	6310	3.5633E-02	1.3074E-01	2.8001E-02
16411400	50	4660	3180	4240	1780	10100	4.8915E-02	1.4957E-01	3.6860E-02
16411400	100	6510	4230	5710	2170	15000	6.5983E-02	1.4957E-01	4.5785E-02
16411400	500	12500	7290	10300	2930	36600	1.2055E-01	2.2231E-01	7.8165E-02
16411600	2	23.4	41.6	23.6	15.3	36.4	9.3488E-03	6.9311E-01	9.2244E-03
16411600	5	61.4	109	62.5	41.2	94.9	8.8291E-03	2.7246E-01	8.5520E-03
16411600	10	96.6	168	99.8	63.7	156	1.0515E-02	1.6824E-01	9.8961E-03
16411600	25	151	255	160	93.5	272	1.5663E-02	1.3074E-01	1.3987E-02
16411600	50	197	329	211	113	393	2.1923E-02	1.4957E-01	1.9121E-02
16411600	100	248	411	270	132	552	3.0256E-02	1.4957E-01	2.5166E-02
16411600	500	379	626	420	160	1100	5.7431E-02	2.2231E-01	4.5640E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16411640	2	446	138	443	338	581	3.6213E-03	6.9311E-01	3.6025E-03
16411640	5	943	404	928	674	1280	5.0903E-03	2.7246E-01	4.9969E-03
16411640	10	1430	683	1380	940	2030	7.5783E-03	1.6824E-01	7.2516E-03
16411640	25	2250	1140	2120	1290	3460	1.3106E-02	1.3074E-01	1.1912E-02
16411640	50	3060	1560	2830	1570	5100	1.9156E-02	1.4957E-01	1.6981E-02
16411640	100	4050	2030	3640	1840	7200	2.6915E-02	1.4957E-01	2.2810E-02
16411640	500	7280	3370	6290	2490	15900	5.1872E-02	2.2231E-01	4.2058E-02
16411800	2	2.4	120	3.5	1.1	11	7.2456E-02	6.9311E-01	6.5598E-02
16411800	5	31.8	347	49.3	18	135	6.1106E-02	2.7246E-01	4.9912E-02
16411800	10	101	579	169	61.9	459	6.9620E-02	1.6824E-01	4.9243E-02
16411800	25	302	957	504	170	1500	1.0457E-01	1.3074E-01	5.8099E-02
16411800	50	570	1300	861	251	2960	1.4951E-01	1.4957E-01	7.4770E-02
16411800	100	964	1680	1330	351	5060	2.0992E-01	1.4957E-01	8.7339E-02
16411800	500	2460	2760	2650	479	14600	4.0445E-01	2.2231E-01	1.4346E-01
16411900	2	196	129	194	123	308	1.0613E-02	6.9311E-01	1.0453E-02
16411900	5	409	375	407	260	638	1.0263E-02	2.7246E-01	9.8904E-03
16411900	10	577	631	580	358	940	1.2275E-02	1.6824E-01	1.1440E-02
16411900	25	809	1050	834	476	1460	1.7440E-02	1.3074E-01	1.5387E-02
16411900	50	991	1430	1040	549	1980	2.3280E-02	1.4957E-01	2.0145E-02
16411900	100	1180	1860	1270	619	2620	3.0789E-02	1.4957E-01	2.5533E-02
16411900	500	1620	3060	1840	715	4720	5.4469E-02	2.2231E-01	4.3749E-02
16413500	2	498	364	497	364	679	4.8239E-03	6.9311E-01	4.7906E-03
16413500	5	1020	1160	1030	714	1480	6.6048E-03	2.7246E-01	6.4485E-03
16413500	10	1510	2120	1540	1000	2370	9.5629E-03	1.6824E-01	9.0486E-03
16413500	25	2320	3840	2450	1430	4200	1.5926E-02	1.3074E-01	1.4197E-02
16413500	50	3080	5470	3330	1770	6270	2.2755E-02	1.4957E-01	1.9750E-02
16413500	100	4000	7380	4450	2150	9200	3.1414E-02	1.4957E-01	2.5961E-02
16413500	500	6840	13100	7840	2960	20800	5.8912E-02	2.2231E-01	4.6571E-02
16414000	2	684	281	682	538	865	2.7817E-03	6.9311E-01	2.7706E-03
16414000	5	1330	877	1330	1040	1700	3.0067E-03	2.7246E-01	2.9739E-03
16414000	10	1860	1560	1850	1410	2450	3.8457E-03	1.6824E-01	3.7597E-03
16414000	25	2630	2780	2630	1870	3700	5.9892E-03	1.3074E-01	5.7268E-03
16414000	50	3260	3910	3290	2190	4920	8.4743E-03	1.4957E-01	8.0199E-03
16414000	100	3940	5220	4020	2510	6430	1.1742E-02	1.4957E-01	1.0888E-02
16414000	500	5700	9110	5950	3130	11300	2.2437E-02	2.2231E-01	2.0380E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16415000	2	255	57.9	253	186	343	4.6384E-03	6.9311E-01	4.6076E-03
16415000	5	498	157	483	329	707	7.3621E-03	2.7246E-01	7.1684E-03
16415000	10	729	248	681	426	1090	1.1495E-02	1.6824E-01	1.0760E-02
16415000	25	1130	385	975	536	1770	2.0273E-02	1.3074E-01	1.7552E-02
16415000	50	1510	505	1260	620	2570	2.9659E-02	1.4957E-01	2.4751E-02
16415000	100	1990	638	1550	689	3510	4.1552E-02	1.4957E-01	3.2518E-02
16415000	500	3580	996	2560	858	7610	7.9346E-02	2.2231E-01	5.8475E-02
16415400	2	441	147	440	374	517	1.2894E-03	6.9311E-01	1.2871E-03
16415400	5	665	433	663	565	779	1.2688E-03	2.7246E-01	1.2629E-03
16415400	10	810	734	809	678	965	1.5438E-03	1.6824E-01	1.5298E-03
16415400	25	986	1230	990	797	1230	2.3440E-03	1.3074E-01	2.3027E-03
16415400	50	1110	1690	1120	869	1450	3.3098E-03	1.4957E-01	3.2382E-03
16415400	100	1240	2210	1260	930	1700	4.5971E-03	1.4957E-01	4.4600E-03
16415400	500	1510	3670	1560	1030	2360	8.8267E-03	2.2231E-01	8.4896E-03
16416000	2	347	44.1	345	285	418	1.7783E-03	6.9311E-01	1.7737E-03
16416000	5	497	116	493	411	591	1.6406E-03	2.7246E-01	1.6307E-03
16416000	10	587	180	579	475	705	1.9287E-03	1.6824E-01	1.9068E-03
16416000	25	689	274	676	533	856	2.8069E-03	1.3074E-01	2.7479E-03
16416000	50	758	355	744	564	981	3.8636E-03	1.4957E-01	3.7663E-03
16416000	100	822	444	805	584	1110	5.2585E-03	1.4957E-01	5.0799E-03
16416000	500	953	679	940	608	1450	9.7454E-03	2.2231E-01	9.3361E-03
16419000	2	142	174	148	109	201	5.6938E-03	2.4200E-02	4.6093E-03
16419000	5	336	380	351	263	470	6.5072E-03	1.1435E-02	4.1471E-03
16419000	10	521	554	538	405	715	8.5516E-03	7.3975E-03	3.9664E-03
16419000	25	823	805	810	613	1070	1.3388E-02	5.3736E-03	3.8345E-03
16419000	50	1100	1010	1030	778	1360	1.8814E-02	4.7677E-03	3.8038E-03
16419000	100	1420	1230	1260	934	1710	2.5842E-02	5.3736E-03	4.4486E-03
16419000	500	2380	1830	1880	1350	2620	4.8561E-02	6.0141E-03	5.3514E-03
16419500	2	225	407	254	185	349	6.2031E-03	2.4200E-02	4.9375E-03
16419500	5	570	830	657	488	884	6.9817E-03	1.1435E-02	4.3349E-03
16419500	10	911	1190	1060	791	1410	9.1082E-03	7.3975E-03	4.0821E-03
16419500	25	1480	1750	1670	1260	2220	1.4238E-02	5.3736E-03	3.9013E-03
16419500	50	2020	2240	2200	1660	2910	2.0044E-02	4.7677E-03	3.8516E-03
16419500	100	2660	2780	2760	2040	3740	2.7596E-02	5.3736E-03	4.4978E-03
16419500	500	4570	4350	4370	3140	6090	5.2098E-02	6.0141E-03	5.3917E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16500100	2	236	1080	246	191	318	3.2656E-03	1.1754E-01	3.1774E-03
16500100	5	493	1790	532	393	721	4.8147E-03	7.5214E-02	4.5250E-03
16500100	10	745	2340	833	576	1200	7.3900E-03	6.8199E-02	6.6675E-03
16500100	25	1180	3120	1390	866	2230	1.3152E-02	6.6470E-02	1.0979E-02
16500100	50	1620	3750	1940	1110	3390	1.9490E-02	6.9938E-02	1.5242E-02
16500100	100	2160	4430	2620	1380	4980	2.7649E-02	7.5214E-02	2.0217E-02
16500100	500	3990	6130	4680	2040	10700	5.4012E-02	9.1468E-02	3.3959E-02
16500300	2	3460	7460	3520	2760	4510	3.0485E-03	1.1754E-01	2.9715E-03
16500300	5	6440	11000	6580	5130	8450	3.1925E-03	7.5214E-02	3.0625E-03
16500300	10	8740	13600	8960	6790	11800	4.0033E-03	6.8199E-02	3.7814E-03
16500300	25	11900	17000	12300	8770	17200	6.1163E-03	6.6470E-02	5.6010E-03
16500300	50	14500	19700	15000	10100	22200	8.5766E-03	6.9938E-02	7.6397E-03
16500300	100	17100	22500	17800	11300	28100	1.1813E-02	7.5214E-02	1.0209E-02
16500300	500	23800	29400	24800	13500	45400	2.2376E-02	9.1468E-02	1.7978E-02
16500800	2	519	442	517	397	673	3.5207E-03	1.1754E-01	3.4183E-03
16500800	5	1130	777	1110	798	1530	5.5696E-03	7.5214E-02	5.1856E-03
16500800	10	1780	1040	1680	1120	2500	8.9322E-03	6.8199E-02	7.8978E-03
16500800	25	2990	1430	2580	1540	4350	1.6562E-02	6.6470E-02	1.3258E-02
16500800	50	4270	1750	3370	1830	6230	2.5041E-02	6.9938E-02	1.8439E-02
16500800	100	5940	2090	4240	2100	8570	3.6027E-02	7.5214E-02	2.4359E-02
16500800	500	12100	2980	6530	2640	16100	7.1808E-02	9.1468E-02	4.0227E-02
16501000	2	5610	3300	5590	4940	6330	7.5678E-04	1.1754E-01	7.5194E-04
16501000	5	8120	5130	8070	7030	9270	9.5484E-04	7.5214E-02	9.4287E-04
16501000	10	9880	6470	9800	8320	11500	1.3393E-03	6.8199E-02	1.3135E-03
16501000	25	12200	8330	12100	9780	14900	2.2210E-03	6.6470E-02	2.1492E-03
16501000	50	14000	9810	13800	10700	17700	3.1994E-03	6.9938E-02	3.0594E-03
16501000	100	15900	11400	15600	11600	20900	4.4621E-03	7.5214E-02	4.2122E-03
16501000	500	20500	15200	20000	13400	29700	8.5427E-03	9.1468E-02	7.8130E-03
16501200	2	4920	4020	4900	4080	5890	1.6614E-03	1.1754E-01	1.6382E-03
16501200	5	6790	6170	6770	5380	8520	2.6943E-03	7.5214E-02	2.6011E-03
16501200	10	8170	7740	8150	6140	10800	4.1700E-03	6.8199E-02	3.9297E-03
16501200	25	10100	9900	10100	7000	14500	7.1511E-03	6.6470E-02	6.4565E-03
16501200	50	11600	11600	11600	7580	17800	1.0241E-02	6.9938E-02	8.9329E-03
16501200	100	13300	13400	13300	8130	21700	1.4085E-02	7.5214E-02	1.1863E-02
16501200	500	17600	17800	17600	9280	33600	2.6044E-02	9.1468E-02	2.0272E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16502000	2	610	292	605	511	717	1.4282E-03	1.1754E-01	1.4111E-03
16502000	5	1010	526	991	811	1210	2.0245E-03	7.5214E-02	1.9714E-03
16502000	10	1330	716	1300	1020	1660	3.0434E-03	6.8199E-02	2.9134E-03
16502000	25	1820	995	1740	1270	2390	5.3331E-03	6.6470E-02	4.9370E-03
16502000	50	2240	1230	2100	1440	3070	7.8555E-03	6.9938E-02	7.0622E-03
16502000	100	2710	1480	2500	1610	3900	1.1103E-02	7.5214E-02	9.6747E-03
16502000	500	4040	2130	3570	1970	6490	2.1593E-02	9.1468E-02	1.7469E-02
16502400	2	164	310	167	131	214	3.0538E-03	1.1754E-01	2.9765E-03
16502400	5	323	555	332	253	436	3.8231E-03	7.5214E-02	3.6382E-03
16502400	10	462	753	479	349	657	5.3142E-03	6.8199E-02	4.9301E-03
16502400	25	678	1050	713	480	1060	8.6970E-03	6.6470E-02	7.6907E-03
16502400	50	869	1290	923	580	1470	1.2427E-02	6.9938E-02	1.0552E-02
16502400	100	1090	1550	1160	681	1980	1.7224E-02	7.5214E-02	1.4015E-02
16502400	500	1720	2230	1840	914	3710	3.2663E-02	9.1468E-02	2.4068E-02
16502800	2	808	536	800	634	1010	2.7053E-03	1.1754E-01	2.6444E-03
16502800	5	1480	929	1450	1140	1850	2.9896E-03	7.5214E-02	2.8754E-03
16502800	10	2000	1240	1950	1480	2560	3.8593E-03	6.8199E-02	3.6526E-03
16502800	25	2730	1690	2620	1880	3670	5.9896E-03	6.6470E-02	5.4945E-03
16502800	50	3320	2060	3160	2140	4670	8.4146E-03	6.9938E-02	7.5110E-03
16502800	100	3960	2460	3710	2360	5840	1.1576E-02	7.5214E-02	1.0032E-02
16502800	500	5580	3480	5090	2800	9270	2.1848E-02	9.1468E-02	1.7635E-02
16502900	2	6010	3020	5900	4600	7580	3.1589E-03	1.1754E-01	3.0763E-03
16502900	5	11100	4720	10600	8150	13900	3.6612E-03	7.5214E-02	3.4912E-03
16502900	10	15100	5970	14200	10500	19300	4.8399E-03	6.8199E-02	4.5192E-03
16502900	25	21000	7710	18900	13100	27500	7.5721E-03	6.6470E-02	6.7977E-03
16502900	50	25900	9080	22500	14600	34700	1.0607E-02	6.9938E-02	9.2101E-03
16502900	100	31100	10500	26100	15900	42900	1.4519E-02	7.5214E-02	1.2170E-02
16502900	500	45100	14100	34500	18000	66300	2.7108E-02	9.1468E-02	2.0911E-02
16508000	2	2410	1870	2400	2210	2620	3.5521E-04	1.1754E-01	3.5414E-04
16508000	5	3290	3000	3290	3010	3590	3.8152E-04	7.5214E-02	3.7959E-04
16508000	10	3850	3850	3850	3480	4250	4.8969E-04	6.8199E-02	4.8620E-04
16508000	25	4520	5050	4530	4000	5140	7.7948E-04	6.6470E-02	7.7045E-04
16508000	50	5010	6010	5020	4320	5840	1.1229E-03	6.9938E-02	1.1051E-03
16508000	100	5480	7020	5510	4610	6580	1.5795E-03	7.5214E-02	1.5470E-03
16508000	500	6540	9560	6620	5170	8470	3.0904E-03	9.1468E-02	2.9894E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16510000	2	1580	247	1550	1330	1810	1.1664E-03	1.1754E-01	1.1550E-03
16510000	5	2270	450	2220	1920	2560	1.0415E-03	7.5214E-02	1.0273E-03
16510000	10	2680	615	2610	2230	3050	1.2134E-03	6.8199E-02	1.1922E-03
16510000	25	3150	859	3040	2510	3670	1.8303E-03	6.6470E-02	1.7813E-03
16510000	50	3460	1060	3320	2640	4160	2.6108E-03	6.9938E-02	2.5168E-03
16510000	100	3750	1290	3570	2730	4660	3.6620E-03	7.5214E-02	3.4920E-03
16510000	500	4350	1860	4090	2840	5900	7.0991E-03	9.1468E-02	6.5878E-03
16515000	2	701	265	698	625	779	5.9621E-04	1.1754E-01	5.9320E-04
16515000	5	905	480	901	811	1000	5.4993E-04	7.5214E-02	5.4594E-04
16515000	10	1020	654	1020	905	1140	6.4896E-04	6.8199E-02	6.4284E-04
16515000	25	1150	912	1140	992	1310	9.7371E-04	6.6470E-02	9.5965E-04
16515000	50	1230	1130	1230	1040	1450	1.3764E-03	6.9938E-02	1.3499E-03
16515000	100	1300	1360	1300	1070	1580	1.9162E-03	7.5214E-02	1.8686E-03
16515000	500	1450	1970	1470	1120	1920	3.6820E-03	9.1468E-02	3.5395E-03
16516000	2	2410	1980	2410	2040	2840	1.3429E-03	1.1754E-01	1.3277E-03
16516000	5	3610	3180	3600	2960	4380	1.9401E-03	7.5214E-02	1.8914E-03
16516000	10	4510	4080	4490	3540	5700	2.9069E-03	6.8199E-02	2.7880E-03
16516000	25	5790	5330	5750	4230	7830	5.0036E-03	6.6470E-02	4.6533E-03
16516000	50	6840	6340	6790	4710	9790	7.2683E-03	6.9938E-02	6.5840E-03
16516000	100	7970	7400	7900	5160	12100	1.0152E-02	7.5214E-02	8.9451E-03
16516000	500	11000	10100	10800	6130	19200	1.9361E-02	9.1468E-02	1.5979E-02
16517000	2	2220	1820	2210	1900	2590	1.2030E-03	1.1754E-01	1.1908E-03
16517000	5	3140	2940	3140	2690	3650	1.1548E-03	7.5214E-02	1.1374E-03
16517000	10	3700	3770	3700	3140	4370	1.3854E-03	6.8199E-02	1.3578E-03
16517000	25	4350	4950	4370	3570	5350	2.0658E-03	6.6470E-02	2.0035E-03
16517000	50	4800	5890	4840	3820	6140	2.8858E-03	6.9938E-02	2.7714E-03
16517000	100	5230	6890	5300	4020	6990	3.9746E-03	7.5214E-02	3.7751E-03
16517000	500	6120	9390	6320	4340	9210	7.5252E-03	9.1468E-02	6.9532E-03
16518000	2	3930	1890	3910	3520	4350	5.4758E-04	1.1754E-01	5.4504E-04
16518000	5	5690	3030	5660	5120	6270	5.1091E-04	7.5214E-02	5.0746E-04
16518000	10	6780	3900	6750	6040	7540	6.1017E-04	6.8199E-02	6.0476E-04
16518000	25	8080	5110	8020	6980	9220	9.5762E-04	6.6470E-02	9.4402E-04
16518000	50	8980	6070	8910	7530	10500	1.4015E-03	6.9938E-02	1.3740E-03
16518000	100	9830	7100	9740	7980	11900	2.0065E-03	7.5214E-02	1.9543E-03
16518000	500	11700	9660	11600	8730	15300	4.0270E-03	9.1468E-02	3.8572E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16519000	2	1090	2530	1110	922	1330	1.6605E-03	1.1754E-01	1.6374E-03
16519000	5	1660	3990	1690	1400	2050	1.8586E-03	7.5214E-02	1.8138E-03
16519000	10	2040	5080	2100	1690	2620	2.4051E-03	6.8199E-02	2.3231E-03
16519000	25	2530	6590	2660	2040	3480	3.6913E-03	6.6470E-02	3.4971E-03
16519000	50	2900	7800	3100	2270	4240	5.1269E-03	6.9938E-02	4.7767E-03
16519000	100	3270	9070	3570	2490	5120	6.9798E-03	7.5214E-02	6.3871E-03
16519000	500	4150	12200	4740	2930	7670	1.2940E-02	9.1468E-02	1.1336E-02
16520000	2	930	335	919	778	1090	1.3777E-03	1.1754E-01	1.3617E-03
16520000	5	1360	598	1340	1130	1590	1.4411E-03	7.5214E-02	1.4140E-03
16520000	10	1640	810	1610	1330	1950	1.8016E-03	6.8199E-02	1.7553E-03
16520000	25	1990	1120	1940	1540	2440	2.7226E-03	6.6470E-02	2.6155E-03
16520000	50	2230	1380	2180	1660	2860	3.7840E-03	6.9938E-02	3.5898E-03
16520000	100	2470	1660	2410	1760	3300	5.1725E-03	7.5214E-02	4.8397E-03
16520000	500	3020	2380	2950	1930	4500	9.6785E-03	9.1468E-02	8.7524E-03
16524000	2	1300	1380	1300	1090	1560	1.6670E-03	1.1754E-01	1.6437E-03
16524000	5	1720	2250	1740	1420	2110	1.9665E-03	7.5214E-02	1.9164E-03
16524000	10	1990	2920	2020	1610	2520	2.5763E-03	6.8199E-02	2.4826E-03
16524000	25	2310	3870	2370	1810	3110	3.8265E-03	6.6470E-02	3.6182E-03
16524000	50	2540	4630	2640	1930	3610	5.1174E-03	6.9938E-02	4.7685E-03
16524000	100	2760	5440	2920	2050	4150	6.7136E-03	7.5214E-02	6.1635E-03
16524000	500	3260	7470	3580	2260	5650	1.1624E-02	9.1468E-02	1.0313E-02
16527000	2	1550	1570	1550	1350	1770	9.1665E-04	1.1754E-01	9.0955E-04
16527000	5	2200	2550	2200	1920	2520	9.0067E-04	7.5214E-02	8.9001E-04
16527000	10	2600	3290	2610	2250	3020	1.0953E-03	6.8199E-02	1.0780E-03
16527000	25	3070	4330	3100	2580	3720	1.6650E-03	6.6470E-02	1.6243E-03
16527000	50	3400	5180	3450	2780	4280	2.3539E-03	6.9938E-02	2.2772E-03
16527000	100	3720	6070	3800	2950	4890	3.2728E-03	7.5214E-02	3.1363E-03
16527000	500	4400	8300	4580	3240	6480	6.2944E-03	9.1468E-02	5.8891E-03
16531100	2	84.8	189	85.1	75.9	95.5	6.5353E-04	1.1754E-01	6.4992E-04
16531100	5	105	349	106	93.4	121	8.0541E-04	7.5214E-02	7.9688E-04
16531100	10	117	481	120	103	139	1.0877E-03	6.8199E-02	1.0706E-03
16531100	25	131	678	137	114	164	1.6829E-03	6.6470E-02	1.6414E-03
16531100	50	142	843	150	121	186	2.3113E-03	6.9938E-02	2.2373E-03
16531100	100	151	1020	163	128	209	3.0993E-03	7.5214E-02	2.9767E-03
16531100	500	173	1500	196	142	272	5.5661E-03	9.1468E-02	5.2468E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16536000	2	892	713	891	774	1030	9.7761E-04	1.1754E-01	9.6955E-04
16536000	5	1330	1210	1330	1140	1550	1.1669E-03	7.5214E-02	1.1491E-03
16536000	10	1630	1610	1630	1370	1950	1.5800E-03	6.8199E-02	1.5443E-03
16536000	25	2040	2170	2040	1630	2550	2.5462E-03	6.6470E-02	2.4523E-03
16536000	50	2340	2630	2360	1810	3070	3.6268E-03	6.9938E-02	3.4480E-03
16536000	100	2660	3130	2690	1970	3660	5.0260E-03	7.5214E-02	4.7112E-03
16536000	500	3430	4380	3510	2310	5340	9.5558E-03	9.1468E-02	8.6519E-03
16543000	2	279	312	279	234	333	1.5279E-03	1.1754E-01	1.5083E-03
16543000	5	370	560	374	307	456	1.9608E-03	7.5214E-02	1.9109E-03
16543000	10	430	760	439	349	553	2.6855E-03	6.8199E-02	2.5837E-03
16543000	25	504	1050	527	397	698	4.1453E-03	6.6470E-02	3.9019E-03
16543000	50	559	1300	596	430	825	5.6449E-03	6.9938E-02	5.2233E-03
16543000	100	614	1560	668	460	970	7.4966E-03	7.5214E-02	6.8171E-03
16543000	500	742	2250	853	525	1390	1.3197E-02	9.1468E-02	1.1533E-02
16545000	2	1580	1220	1580	1420	1750	5.5318E-04	1.1754E-01	5.5059E-04
16545000	5	2200	2010	2200	1940	2490	7.7164E-04	7.5214E-02	7.6381E-04
16545000	10	2650	2620	2650	2270	3080	1.1538E-03	6.8199E-02	1.1346E-03
16545000	25	3250	3480	3250	2660	3970	2.0213E-03	6.6470E-02	1.9617E-03
16545000	50	3720	4170	3730	2930	4750	2.9819E-03	6.9938E-02	2.8600E-03
16545000	100	4210	4910	4250	3190	5650	4.2220E-03	7.5214E-02	3.9976E-03
16545000	500	5470	6780	5570	3760	8240	8.2381E-03	9.1468E-02	7.5574E-03
16552800	2	681	1360	726	454	1160	1.1879E-02	1.1754E-01	1.0789E-02
16552800	5	1480	2230	1580	966	2580	1.4098E-02	7.5214E-02	1.1872E-02
16552800	10	2200	2890	2330	1350	4020	1.8548E-02	6.8199E-02	1.4582E-02
16552800	25	3330	3820	3470	1840	6520	2.7730E-02	6.6470E-02	1.9567E-02
16552800	50	4330	4580	4420	2190	8930	3.7259E-02	6.9938E-02	2.4309E-02
16552800	100	5470	5380	5440	2500	11800	4.9081E-02	7.5214E-02	2.9700E-02
16552800	500	8720	7390	8050	3120	20800	8.5586E-02	9.1468E-02	4.4215E-02
16554000	2	925	1630	942	712	1250	4.0018E-03	1.1754E-01	3.8700E-03
16554000	5	1370	2640	1430	1050	1940	4.9609E-03	7.5214E-02	4.6540E-03
16554000	10	1670	3410	1780	1260	2530	6.6291E-03	6.8199E-02	6.0418E-03
16554000	25	2070	4490	2290	1510	3480	9.8853E-03	6.6470E-02	8.6055E-03
16554000	50	2380	5360	2700	1680	4350	1.3151E-02	6.9938E-02	1.1069E-02
16554000	100	2690	6270	3140	1850	5360	1.7121E-02	7.5214E-02	1.3946E-02
16554000	500	3430	8580	4280	2190	8380	2.9115E-02	9.1468E-02	2.2085E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16555000	2	2970	2010	2940	2370	3660	2.3793E-03	1.1754E-01	2.3321E-03
16555000	5	4900	3220	4830	3790	6150	2.9770E-03	7.5214E-02	2.8637E-03
16555000	10	6390	4130	6230	4710	8250	4.1002E-03	6.8199E-02	3.8677E-03
16555000	25	8470	5400	8140	5740	11500	6.5714E-03	6.6470E-02	5.9802E-03
16555000	50	10200	6420	9640	6410	14500	9.2493E-03	6.9938E-02	8.1689E-03
16555000	100	12000	7490	11200	7010	17900	1.2660E-02	7.5214E-02	1.0836E-02
16555000	500	16800	10200	15100	8170	28100	2.3522E-02	9.1468E-02	1.8711E-02
16557000	2	598	310	594	514	687	1.0360E-03	1.1754E-01	1.0269E-03
16557000	5	875	556	867	723	1040	1.6393E-03	7.5214E-02	1.6043E-03
16557000	10	1090	755	1080	858	1350	2.6027E-03	6.8199E-02	2.5070E-03
16557000	25	1400	1050	1380	1020	1860	4.7391E-03	6.6470E-02	4.4237E-03
16557000	50	1660	1290	1630	1130	2330	7.0827E-03	6.9938E-02	6.4314E-03
16557000	100	1950	1550	1900	1240	2910	1.0097E-02	7.5214E-02	8.9017E-03
16557000	500	2750	2240	2650	1490	4710	1.9834E-02	9.1468E-02	1.6299E-02
16565000	2	599	426	596	503	707	1.4408E-03	1.1754E-01	1.4233E-03
16565000	5	931	750	924	745	1150	2.3485E-03	7.5214E-02	2.2774E-03
16565000	10	1200	1010	1190	910	1560	3.7841E-03	6.8199E-02	3.5852E-03
16565000	25	1620	1380	1590	1110	2280	6.9675E-03	6.6470E-02	6.3064E-03
16565000	50	1980	1690	1940	1260	2980	1.0462E-02	6.9938E-02	9.1006E-03
16565000	100	2390	2030	2330	1410	3850	1.4959E-02	7.5214E-02	1.2477E-02
16565000	500	3590	2890	3410	1740	6680	2.9502E-02	9.1468E-02	2.2307E-02
16566000	2	416	176	414	371	462	5.8578E-04	1.1754E-01	5.8288E-04
16566000	5	510	327	509	459	564	5.2820E-04	7.5214E-02	5.2452E-04
16566000	10	560	452	559	500	625	6.1518E-04	6.8199E-02	6.0968E-04
16566000	25	613	638	614	537	702	8.9486E-04	6.6470E-02	8.8298E-04
16566000	50	647	794	649	555	759	1.2355E-03	6.9938E-02	1.2141E-03
16566000	100	676	966	681	567	818	1.6864E-03	7.5214E-02	1.6494E-03
16566000	500	733	1410	749	584	960	3.1340E-03	9.1468E-02	3.0302E-03
16570000	2	2010	1910	2010	1740	2320	1.0352E-03	1.1754E-01	1.0262E-03
16570000	5	3180	3070	3180	2710	3730	1.2767E-03	7.5214E-02	1.2554E-03
16570000	10	4060	3940	4050	3360	4890	1.7721E-03	6.8199E-02	1.7273E-03
16570000	25	5260	5160	5260	4140	6670	2.9304E-03	6.6470E-02	2.8067E-03
16570000	50	6230	6140	6220	4680	8270	4.2276E-03	6.9938E-02	3.9866E-03
16570000	100	7250	7170	7240	5190	10100	5.9095E-03	7.5214E-02	5.4790E-03
16570000	500	9880	9760	9860	6270	15500	1.1369E-02	9.1468E-02	1.0112E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16574000	2	447	574	448	378	531	1.4292E-03	1.1754E-01	1.4121E-03
16574000	5	568	991	577	472	704	2.0027E-03	7.5214E-02	1.9508E-03
16574000	10	648	1320	666	526	843	2.8397E-03	6.8199E-02	2.7262E-03
16574000	25	746	1800	789	589	1060	4.4460E-03	6.6470E-02	4.1672E-03
16574000	50	820	2190	886	633	1240	6.0485E-03	6.9938E-02	5.5671E-03
16574000	100	893	2610	990	674	1450	7.9937E-03	7.5214E-02	7.2258E-03
16574000	500	1070	3680	1250	764	2060	1.3869E-02	9.1468E-02	1.2043E-02
16577000	2	3610	1310	3560	2990	4240	1.5412E-03	1.1754E-01	1.5212E-03
16577000	5	5480	2160	5370	4500	6410	1.5733E-03	7.5214E-02	1.5410E-03
16577000	10	6710	2800	6550	5380	7960	1.9449E-03	6.8199E-02	1.8910E-03
16577000	25	8230	3720	7960	6260	10100	2.9390E-03	6.6470E-02	2.8145E-03
16577000	50	9340	4450	8960	6770	11900	4.1044E-03	6.9938E-02	3.8769E-03
16577000	100	10400	5230	9930	7160	13800	5.6399E-03	7.5214E-02	5.2465E-03
16577000	500	12900	7200	12100	7790	18800	1.0647E-02	9.1468E-02	9.5371E-03
16585000	2	984	783	978	762	1260	3.1359E-03	1.1754E-01	3.0544E-03
16585000	5	2160	1330	2110	1590	2800	4.1015E-03	7.5214E-02	3.8894E-03
16585000	10	3310	1750	3140	2250	4380	5.8935E-03	6.8199E-02	5.4247E-03
16585000	25	5240	2360	4720	3100	7190	9.9876E-03	6.6470E-02	8.6829E-03
16585000	50	7100	2850	6070	3700	9950	1.4527E-02	6.9938E-02	1.2028E-02
16585000	100	9360	3380	7530	4250	13300	2.0385E-02	7.5214E-02	1.6038E-02
16585000	500	16500	4730	11300	5370	24000	3.9335E-02	9.1468E-02	2.7506E-02
16586000	2	409	396	409	358	468	8.9087E-04	1.1754E-01	8.8417E-04
16586000	5	587	700	589	505	686	1.1635E-03	7.5214E-02	1.1457E-03
16586000	10	713	943	717	598	860	1.6562E-03	6.8199E-02	1.6169E-03
16586000	25	879	1300	893	708	1130	2.7561E-03	6.6470E-02	2.6464E-03
16586000	50	1010	1590	1030	784	1360	3.9601E-03	6.9938E-02	3.7478E-03
16586000	100	1140	1910	1180	857	1640	5.5031E-03	7.5214E-02	5.1279E-03
16586000	500	1480	2730	1580	1020	2440	1.0456E-02	9.1468E-02	9.3834E-03
16587000	2	530	376	527	436	638	1.8076E-03	1.1754E-01	1.7802E-03
16587000	5	1150	667	1130	910	1400	2.3377E-03	7.5214E-02	2.2673E-03
16587000	10	1740	900	1680	1300	2170	3.3769E-03	6.8199E-02	3.2175E-03
16587000	25	2730	1240	2560	1840	3560	5.8307E-03	6.6470E-02	5.3604E-03
16587000	50	3670	1520	3340	2250	4950	8.5979E-03	6.9938E-02	7.6566E-03
16587000	100	4820	1830	4210	2650	6690	1.2202E-02	7.5214E-02	1.0499E-02
16587000	500	8430	2610	6610	3550	12300	2.3971E-02	9.1468E-02	1.8993E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16603700	2	34.2	58.3	35.3	16.4	75.9	3.0663E-02	4.5634E-01	2.8732E-02
16603700	5	209	174	203	104	396	2.6481E-02	1.2885E-01	2.1966E-02
16603700	10	477	296	407	214	775	3.0460E-02	6.1349E-02	2.0354E-02
16603700	25	1050	498	733	365	1470	4.6060E-02	4.9847E-02	2.3939E-02
16603700	50	1660	687	1030	470	2270	6.6081E-02	5.6338E-02	3.0411E-02
16603700	100	2440	909	1390	564	3420	9.3092E-02	6.9938E-02	3.9935E-02
16603700	500	4890	1580	2420	744	7890	1.8094E-01	1.1003E-01	6.8423E-02
16603800	2	41.7	36.8	41.7	31.3	55.6	4.0943E-03	4.5634E-01	4.0579E-03
16603800	5	92.5	97.2	92.7	67.3	128	5.2210E-03	1.2885E-01	5.0177E-03
16603800	10	141	158	143	99.2	206	7.3403E-03	6.1349E-02	6.5559E-03
16603800	25	223	257	229	147	358	1.2125E-02	4.9847E-02	9.7530E-03
16603800	50	300	348	311	185	523	1.7392E-02	5.6338E-02	1.3289E-02
16603800	100	393	455	408	223	747	2.4160E-02	6.9938E-02	1.7957E-02
16603800	500	683	772	708	314	1600	4.5936E-02	1.1003E-01	3.2407E-02
16603850	2	64.2	243	70	32.1	152	3.1777E-02	4.5634E-01	2.9708E-02
16603850	5	377	1050	453	228	902	2.8396E-02	1.2885E-01	2.3268E-02
16603850	10	849	2090	1160	601	2260	3.3053E-02	6.1349E-02	2.1480E-02
16603850	25	1860	3930	2700	1330	5500	4.9375E-02	4.9847E-02	2.4805E-02
16603850	50	2970	5720	4270	1920	9470	6.9850E-02	5.6338E-02	3.1185E-02
16603850	100	4380	7870	6160	2480	15300	9.7314E-02	6.9938E-02	4.0693E-02
16603850	500	8940	14600	12200	3720	39900	1.8669E-01	1.1003E-01	6.9230E-02
16604500	2	2410	3000	2430	1810	3260	4.4439E-03	1.1754E-01	4.2820E-03
16604500	5	4270	4680	4290	3230	5720	4.2560E-03	7.5214E-02	4.0281E-03
16604500	10	5600	5930	5620	4120	7660	5.0849E-03	6.8199E-02	4.7321E-03
16604500	25	7300	7650	7330	5070	10600	7.4211E-03	6.6470E-02	6.6758E-03
16604500	50	8560	9030	8620	5630	13200	1.0176E-02	6.9938E-02	8.8838E-03
16604500	100	9810	10500	9910	6090	16100	1.3794E-02	7.5214E-02	1.1656E-02
16604500	500	12600	14000	12900	6840	24400	2.5442E-02	9.1468E-02	1.9906E-02
16607000	2	2970	3840	2980	2570	3460	1.0997E-03	1.1754E-01	1.0895E-03
16607000	5	4490	5910	4500	3930	5150	9.1011E-04	7.5214E-02	8.9923E-04
16607000	10	5400	7420	5420	4700	6260	1.0356E-03	6.8199E-02	1.0201E-03
16607000	25	6440	9510	6500	5430	7780	1.6280E-03	6.6470E-02	1.5891E-03
16607000	50	7130	11200	7240	5820	9000	2.4163E-03	6.9938E-02	2.3356E-03
16607000	100	7760	12900	7940	6120	10300	3.4914E-03	7.5214E-02	3.3365E-03
16607000	500	9040	17200	9460	6580	13600	7.0039E-03	9.1468E-02	6.5057E-03

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16614000	2	4790	2180	4710	3780	5870	2.4142E-03	1.1754E-01	2.3656E-03
16614000	5	7330	3470	7160	5770	8890	2.3598E-03	7.5214E-02	2.2880E-03
16614000	10	8970	4430	8720	6890	11000	2.8454E-03	6.8199E-02	2.7314E-03
16614000	25	11000	5780	10500	7950	14000	4.1634E-03	6.6470E-02	3.9180E-03
16614000	50	12400	6860	11800	8520	16400	5.7010E-03	6.9938E-02	5.2713E-03
16614000	100	13700	8000	13000	8940	19000	7.7132E-03	7.5214E-02	6.9958E-03
16614000	500	16700	10800	15700	9530	25900	1.4190E-02	9.1468E-02	1.2285E-02
16616500	2	13.3	68.5	18	9.3	35.2	2.6849E-02	1.1754E-01	2.1857E-02
16616500	5	59.3	135	72	39.4	131	2.3289E-02	7.5214E-02	1.7783E-02
16616500	10	116	191	134	71.6	250	2.6766E-02	6.8199E-02	1.9222E-02
16616500	25	221	279	241	119	491	3.9610E-02	6.6470E-02	2.4820E-02
16616500	50	322	353	336	152	743	5.5788E-02	6.9938E-02	3.1033E-02
16616500	100	441	437	439	182	1060	7.7418E-02	7.5214E-02	3.8150E-02
16616500	500	773	657	699	239	2040	1.4709E-01	9.1468E-02	5.6397E-02
16617000	2	243	252	243	189	312	3.1417E-03	1.1754E-01	3.0599E-03
16617000	5	355	457	359	272	475	4.0188E-03	7.5214E-02	3.8150E-03
16617000	10	433	624	445	323	613	5.4759E-03	6.8199E-02	5.0689E-03
16617000	25	535	872	565	383	834	8.3618E-03	6.6470E-02	7.4274E-03
16617000	50	614	1080	664	425	1040	1.1292E-02	6.9938E-02	9.7223E-03
16617000	100	694	1300	770	466	1270	1.4884E-02	7.5214E-02	1.2425E-02
16617000	500	891	1890	1050	554	2000	2.5850E-02	9.1468E-02	2.0154E-02
16618000	2	1200	1780	1210	1020	1430	1.4177E-03	1.1754E-01	1.4008E-03
16618000	5	2080	2870	2100	1740	2540	1.8008E-03	7.5214E-02	1.7587E-03
16618000	10	2790	3690	2820	2250	3520	2.5462E-03	6.8199E-02	2.4545E-03
16618000	25	3820	4850	3880	2910	5160	4.2704E-03	6.6470E-02	4.0126E-03
16618000	50	4690	5780	4770	3400	6710	6.1930E-03	6.9938E-02	5.6892E-03
16618000	100	5660	6760	5760	3870	8580	8.6812E-03	7.5214E-02	7.7829E-03
16618000	500	8290	9210	8430	4930	14400	1.6747E-02	9.1468E-02	1.4156E-02
16619700	2	226	687	233	182	297	3.0433E-03	1.1754E-01	2.9665E-03
16619700	5	446	1170	468	356	616	3.9062E-03	7.5214E-02	3.7134E-03
16619700	10	641	1560	685	496	946	5.5101E-03	6.8199E-02	5.0982E-03
16619700	25	948	2100	1040	697	1560	9.1187E-03	6.6470E-02	8.0187E-03
16619700	50	1220	2550	1370	856	2210	1.3083E-02	6.9938E-02	1.1022E-02
16619700	100	1540	3030	1760	1020	3040	1.8174E-02	7.5214E-02	1.4637E-02
16619700	500	2480	4260	2880	1410	5880	3.4541E-02	9.1468E-02	2.5073E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16620000	2	2040	2140	2040	1820	2280	6.4898E-04	1.1754E-01	6.4541E-04
16620000	5	3230	3410	3230	2810	3710	9.5501E-04	7.5214E-02	9.4303E-04
16620000	10	4200	4360	4210	3540	5000	1.5029E-03	6.8199E-02	1.4705E-03
16620000	25	5660	5690	5660	4480	7150	2.7995E-03	6.6470E-02	2.6864E-03
16620000	50	6920	6750	6910	5190	9200	4.2702E-03	6.9938E-02	4.0245E-03
16620000	100	8340	7870	8300	5900	11700	6.1954E-03	7.5214E-02	5.7239E-03
16620000	500	12400	10700	12200	7590	19600	1.2531E-02	9.1468E-02	1.1021E-02
16623400	2	44.2	468	92.5	38.9	220	5.3606E-02	1.1754E-01	3.6816E-02
16623400	5	278	819	425	196	922	4.8550E-02	7.5214E-02	2.9505E-02
16623400	10	644	1100	821	371	1820	5.6585E-02	6.8199E-02	3.0926E-02
16623400	25	1450	1500	1480	622	3500	8.1461E-02	6.6470E-02	3.6603E-02
16623400	50	2330	1840	2020	791	5140	1.1135E-01	6.9938E-02	4.2957E-02
16623400	100	3470	2200	2560	932	7040	1.5066E-01	7.5214E-02	5.0169E-02
16623400	500	7160	3120	3840	1180	12500	2.7613E-01	9.1468E-02	6.8709E-02
16630200	2	543	134	539	431	674	2.4517E-03	4.5634E-01	2.4386E-03
16630200	5	1030	497	1010	775	1320	3.6199E-03	1.2885E-01	3.5210E-03
16630200	10	1490	925	1430	1030	1970	5.5658E-03	6.1349E-02	5.1029E-03
16630200	25	2230	1660	2130	1410	3200	9.9288E-03	4.9847E-02	8.2796E-03
16630200	50	2940	2370	2810	1720	4570	1.4735E-02	5.6338E-02	1.1680E-02
16630200	100	3790	3200	3640	2050	6460	2.0926E-02	6.9938E-02	1.6107E-02
16630200	500	6490	5770	6280	2880	13700	4.0946E-02	1.1003E-01	2.9841E-02
16636000	2	183	69.7	182	160	207	8.2772E-04	4.5634E-01	8.2622E-04
16636000	5	224	217	224	191	262	1.2593E-03	1.2885E-01	1.2471E-03
16636000	10	251	378	254	209	307	1.8702E-03	6.1349E-02	1.8149E-03
16636000	25	284	645	298	234	380	3.0669E-03	4.9847E-02	2.8891E-03
16636000	50	309	896	333	251	443	4.2808E-03	5.6338E-02	3.9785E-03
16636000	100	334	1190	368	265	512	5.7705E-03	6.9938E-02	5.3307E-03
16636000	500	394	2080	454	293	705	1.0331E-02	1.1003E-01	9.4447E-03
16638500	2	848	125	836	640	1090	3.5472E-03	4.5634E-01	3.5198E-03
16638500	5	1670	455	1610	1220	2120	3.8642E-03	1.2885E-01	3.7517E-03
16638500	10	2350	842	2170	1600	2950	4.9475E-03	6.1349E-02	4.5783E-03
16638500	25	3330	1500	2990	2070	4320	7.6357E-03	4.9847E-02	6.6214E-03
16638500	50	4140	2140	3730	2430	5720	1.0710E-02	5.6338E-02	8.9992E-03
16638500	100	5030	2890	4560	2770	7510	1.4725E-02	6.9938E-02	1.2164E-02
16638500	500	7330	5180	6840	3490	13400	2.7781E-02	1.1003E-01	2.2181E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16643300	2	321	114	319	253	402	2.6215E-03	4.5634E-01	2.6065E-03
16643300	5	627	403	619	471	813	3.7657E-03	1.2885E-01	3.6588E-03
16643300	10	910	739	894	645	1240	5.6988E-03	6.1349E-02	5.2144E-03
16643300	25	1380	1310	1370	905	2060	1.0030E-02	4.9847E-02	8.3501E-03
16643300	50	1820	1850	1830	1120	2980	1.4796E-02	5.6338E-02	1.1719E-02
16643300	100	2360	2500	2390	1350	4230	2.0929E-02	6.9938E-02	1.6109E-02
16643300	500	4040	4460	4150	1910	9040	4.0734E-02	1.1003E-01	2.9728E-02
16646200	2	477	114	473	384	584	2.1777E-03	4.5634E-01	2.1674E-03
16646200	5	826	403	816	659	1010	2.2735E-03	1.2885E-01	2.2341E-03
16646200	10	1080	738	1060	841	1350	2.8498E-03	6.1349E-02	2.7233E-03
16646200	25	1430	1310	1420	1060	1890	4.3730E-03	4.9847E-02	4.0203E-03
16646200	50	1690	1850	1710	1220	2390	6.1576E-03	5.6338E-02	5.5509E-03
16646200	100	1960	2490	2020	1360	2990	8.5122E-03	6.9938E-02	7.5886E-03
16646200	500	2620	4460	2810	1640	4800	1.6221E-02	1.1003E-01	1.4137E-02
16647500	2	19.2	44.1	19.8	11	35.8	1.7863E-02	4.5634E-01	1.7190E-02
16647500	5	83.4	122	87.2	50	152	1.7188E-02	1.2885E-01	1.5165E-02
16647500	10	168	202	176	100	308	2.0680E-02	6.1349E-02	1.5467E-02
16647500	25	335	332	334	179	623	3.1211E-02	4.9847E-02	1.9193E-02
16647500	50	509	454	484	238	985	4.4030E-02	5.6338E-02	2.4715E-02
16647500	100	730	596	664	294	1500	6.1144E-02	6.9938E-02	3.2623E-02
16647500	500	1440	1020	1210	411	3530	1.1730E-01	1.1003E-01	5.6776E-02
16650500	2	537	148	533	421	675	2.7556E-03	4.5634E-01	2.7390E-03
16650500	5	912	563	903	716	1140	2.7049E-03	1.2885E-01	2.6493E-03
16650500	10	1170	1060	1170	908	1500	3.2783E-03	6.1349E-02	3.1120E-03
16650500	25	1510	1920	1540	1140	2090	4.8991E-03	4.9847E-02	4.4607E-03
16650500	50	1760	2740	1850	1300	2630	6.8289E-03	5.6338E-02	6.0906E-03
16650500	100	2010	3730	2160	1430	3260	9.3821E-03	6.9938E-02	8.2724E-03
16650500	500	2580	6740	2950	1690	5140	1.7703E-02	1.1003E-01	1.5250E-02
16658500	2	37.9	58.4	38.2	24.9	58.6	9.1875E-03	4.5634E-01	9.0062E-03
16658500	5	113	174	116	75.8	177	9.5110E-03	1.2885E-01	8.8572E-03
16658500	10	192	297	206	131	323	1.1860E-02	6.1349E-02	9.9384E-03
16658500	25	330	499	368	219	619	1.8099E-02	4.9847E-02	1.3278E-02
16658500	50	461	689	522	287	949	2.5415E-02	5.6338E-02	1.7514E-02
16658500	100	617	912	703	353	1400	3.5064E-02	6.9938E-02	2.3355E-02
16658500	500	1090	1580	1250	498	3130	6.6616E-02	1.1003E-01	4.1495E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16660000	2	83.7	219	90.5	38	216	4.0340E-02	4.5634E-01	3.7064E-02
16660000	5	717	918	759	349	1650	3.8518E-02	1.2885E-01	2.9653E-02
16660000	10	1980	1800	1900	914	3950	4.6157E-02	6.1349E-02	2.6340E-02
16660000	25	5420	3360	4100	1900	8850	6.9416E-02	4.9847E-02	2.9013E-02
16660000	50	9950	4870	6320	2690	14800	9.7766E-02	5.6338E-02	3.5742E-02
16660000	100	16800	6690	9140	3470	24100	1.3561E-01	6.9938E-02	4.6141E-02
16660000	500	44500	12300	18000	5140	63200	2.5959E-01	1.1003E-01	7.7278E-02
16663500	2	6.8	113	11.9	3	46.4	1.1356E-01	4.5634E-01	9.0931E-02
16663500	5	61	401	154	49.5	480	1.2501E-01	1.2885E-01	6.3450E-02
16663500	10	180	734	496	192	1280	1.5826E-01	6.1349E-02	4.4211E-02
16663500	25	543	1300	1110	446	2770	2.2842E-01	4.9847E-02	4.0918E-02
16663500	50	1080	1840	1690	633	4520	3.0155E-01	5.6338E-02	4.7469E-02
16663500	100	1970	2480	2400	798	7190	3.9224E-01	6.9938E-02	5.9355E-02
16663500	500	6330	4430	4660	1160	18700	6.7115E-01	1.1003E-01	9.4535E-02
16664000	2	13.3	110	20.2	5.2	78.2	1.1243E-01	4.5634E-01	9.0208E-02
16664000	5	120	388	216	68.7	677	1.2817E-01	1.2885E-01	6.4255E-02
16664000	10	363	709	591	228	1540	1.6497E-01	6.1349E-02	4.4719E-02
16664000	25	1130	1250	1230	491	3080	2.4092E-01	4.9847E-02	4.1302E-02
16664000	50	2310	1770	1840	686	4950	3.1936E-01	5.6338E-02	4.7889E-02
16664000	100	4350	2390	2600	863	7860	4.1626E-01	6.9938E-02	5.9878E-02
16664000	500	15000	4260	5040	1250	20300	7.1355E-01	1.1003E-01	9.5333E-02
16700000	2	159	691	160	141	182	7.9261E-04	2.2231E-01	7.8979E-04
16700000	5	235	1200	237	207	270	8.6461E-04	2.0468E-01	8.6098E-04
16700000	10	286	1610	288	248	335	1.1143E-03	2.2231E-01	1.1087E-03
16700000	25	350	2180	355	294	429	1.7545E-03	2.2231E-01	1.7408E-03
16700000	50	398	2640	406	324	508	2.4990E-03	2.3949E-01	2.4732E-03
16700000	100	445	3160	457	351	595	3.4801E-03	2.5621E-01	3.4335E-03
16700000	500	556	4470	582	404	839	6.7003E-03	2.8824E-01	6.5481E-03
16701200	2	640	791	644	447	927	6.7047E-03	2.2231E-01	6.5084E-03
16701200	5	1030	1390	1040	706	1520	7.4987E-03	2.0468E-01	7.2336E-03
16701200	10	1290	1880	1310	853	2020	9.5365E-03	2.2231E-01	9.1442E-03
16701200	25	1640	2570	1680	1010	2810	1.3623E-02	2.2231E-01	1.2836E-02
16701200	50	1900	3140	1970	1100	3520	1.7747E-02	2.3949E-01	1.6523E-02
16701200	100	2170	3780	2270	1180	4360	2.2766E-02	2.5621E-01	2.0908E-02
16701200	500	2790	5410	3020	1320	6890	3.7885E-02	2.8824E-01	3.3484E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai‘i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16701300	2	634	790	638	441	923	6.9037E-03	2.2231E-01	6.6958E-03
16701300	5	1360	1390	1360	862	2140	1.0741E-02	2.0468E-01	1.0206E-02
16701300	10	2090	1880	2080	1190	3630	1.6493E-02	2.2231E-01	1.5354E-02
16701300	25	3410	2570	3300	1610	6760	2.8500E-02	2.2231E-01	2.5262E-02
16701300	50	4740	3130	4460	1910	10400	4.1198E-02	2.3949E-01	3.5151E-02
16701300	100	6430	3770	5830	2200	15500	5.7181E-02	2.5621E-01	4.6748E-02
16701300	500	12300	5390	9830	2780	34800	1.0759E-01	2.8824E-01	7.8344E-02
16701400	2	516	882	523	372	734	5.8102E-03	2.2231E-01	5.6622E-03
16701400	5	896	1560	913	624	1340	7.3451E-03	2.0468E-01	7.0906E-03
16701400	10	1200	2110	1220	787	1900	9.9834E-03	2.2231E-01	9.5543E-03
16701400	25	1620	2910	1690	982	2890	1.5317E-02	2.2231E-01	1.4330E-02
16701400	50	1980	3570	2070	1110	3870	2.0804E-02	2.3949E-01	1.9141E-02
16701400	100	2370	4310	2510	1230	5110	2.7584E-02	2.5621E-01	2.4903E-02
16701400	500	3390	6230	3700	1480	9280	4.8463E-02	2.8824E-01	4.1487E-02
16701750	2	1040	2520	1200	623	2320	2.5315E-02	1.3074E-01	2.1208E-02
16701750	5	3450	5430	3860	2050	7280	2.6319E-02	7.8775E-02	1.9728E-02
16701750	10	6140	8080	6770	3520	13000	3.2550E-02	5.9666E-02	2.1061E-02
16701750	25	11000	12300	11600	5830	23200	4.7165E-02	4.6693E-02	2.3464E-02
16701750	50	15700	15800	15800	7640	32600	6.3232E-02	4.3605E-02	2.5808E-02
16701750	100	21400	20000	20500	9540	44000	8.3712E-02	4.3605E-02	2.8671E-02
16701750	500	38700	31100	32800	13900	77700	1.4830E-01	4.8262E-02	3.6413E-02
16701800	2	5110	3880	5020	3310	7610	9.0634E-03	1.3074E-01	8.4758E-03
16701800	5	9980	8020	9760	6490	14700	9.1374E-03	7.8775E-02	8.1877E-03
16701800	10	13700	11700	13400	8650	20700	1.1129E-02	5.9666E-02	9.3793E-03
16701800	25	18900	17400	18500	11300	30200	1.5878E-02	4.6693E-02	1.1849E-02
16701800	50	22900	21900	22500	13200	38600	2.1108E-02	4.3605E-02	1.4223E-02
16701800	100	27000	27500	27200	15100	48900	2.7763E-02	4.3605E-02	1.6963E-02
16701800	500	36800	41400	39100	19300	78800	4.8641E-02	4.8262E-02	2.4225E-02
16704000	2	17300	17100	17300	15200	19700	8.4061E-04	1.3074E-01	8.3524E-04
16704000	5	28200	35500	28300	24300	32900	1.1588E-03	7.8775E-02	1.1420E-03
16704000	10	36900	51500	37200	30900	44800	1.7385E-03	5.9666E-02	1.6893E-03
16704000	25	49700	75800	51000	40000	65000	3.0873E-03	4.6693E-02	2.8958E-03
16704000	50	60600	94600	63200	47300	84600	4.5999E-03	4.3605E-02	4.1609E-03
16704000	100	72800	117000	77400	55100	109000	6.5658E-03	4.3605E-02	5.7066E-03
16704000	500	107000	172000	118000	74800	186000	1.2979E-02	4.8262E-02	1.0228E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16713000	2	37700	21600	37000	27900	49200	4.0647E-03	1.3074E-01	3.9421E-03
16713000	5	61300	43700	60400	46100	79200	3.7777E-03	7.8775E-02	3.6048E-03
16713000	10	76800	62500	75700	56600	101000	4.4468E-03	5.9666E-02	4.1384E-03
16713000	25	95500	90700	94900	67700	133000	6.3626E-03	4.6693E-02	5.5996E-03
16713000	50	109000	112000	109000	74500	160000	8.6125E-03	4.3605E-02	7.1920E-03
16713000	100	121000	138000	125000	80900	192000	1.1548E-02	4.3605E-02	9.1302E-03
16713000	500	148000	199000	162000	93900	279000	2.0887E-02	4.8262E-02	1.4578E-02
16717000	2	9200	6000	9170	7960	10600	9.8457E-04	1.3074E-01	9.7721E-04
16717000	5	13300	9500	13200	11400	15400	1.1377E-03	7.8775E-02	1.1215E-03
16717000	10	16000	12200	15900	13400	18900	1.5058E-03	5.9666E-02	1.4688E-03
16717000	25	19500	15900	19300	15600	24000	2.3734E-03	4.6693E-02	2.2586E-03
16717000	50	22100	18500	21900	17000	28100	3.3456E-03	4.3605E-02	3.1072E-03
16717000	100	24800	21500	24400	18200	32700	4.6045E-03	4.3605E-02	4.1647E-03
16717000	500	30900	28200	30500	20700	44900	8.6754E-03	4.8262E-02	7.3536E-03
16717400	2	101	226	103	77.7	137	4.0205E-03	1.3074E-01	3.9006E-03
16717400	5	170	354	178	129	246	5.4367E-03	7.8775E-02	5.0857E-03
16717400	10	225	459	244	168	355	7.7008E-03	5.9666E-02	6.8205E-03
16717400	25	306	615	354	227	553	1.2346E-02	4.6693E-02	9.7641E-03
16717400	50	374	729	452	274	745	1.7186E-02	4.3605E-02	1.2327E-02
16717400	100	449	869	565	324	984	2.3219E-02	4.3605E-02	1.5151E-02
16717400	500	654	1210	871	443	1710	4.2004E-02	4.8262E-02	2.2458E-02
16717600	2	309	648	314	248	397	2.7431E-03	1.3074E-01	2.6868E-03
16717600	5	511	966	530	392	719	4.8036E-03	7.8775E-02	4.5275E-03
16717600	10	689	1220	737	506	1070	7.8897E-03	5.9666E-02	6.9682E-03
16717600	25	974	1580	1090	680	1760	1.4498E-02	4.6693E-02	1.1063E-02
16717600	50	1240	1830	1410	819	2420	2.1613E-02	4.3605E-02	1.4450E-02
16717600	100	1550	2140	1770	967	3250	3.0669E-02	4.3605E-02	1.8005E-02
16717600	500	2530	2850	2700	1290	5650	5.9616E-02	4.8262E-02	2.6671E-02
16717650	2	661	858	664	523	844	2.8717E-03	1.3074E-01	2.8100E-03
16717650	5	1100	1350	1110	833	1480	4.2707E-03	7.8775E-02	4.0511E-03
16717650	10	1460	1740	1480	1050	2090	6.4215E-03	5.9666E-02	5.7976E-03
16717650	25	2000	2310	2060	1350	3150	1.0939E-02	4.6693E-02	8.8626E-03
16717650	50	2470	2710	2540	1560	4120	1.5729E-02	4.3605E-02	1.1559E-02
16717650	100	3010	3210	3080	1790	5300	2.1766E-02	4.3605E-02	1.4519E-02
16717650	500	4550	4360	4460	2280	8730	4.0824E-02	4.8262E-02	2.2116E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai‘i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16717800	2	2030	1560	2010	1510	2680	4.1404E-03	1.3074E-01	4.0133E-03
16717800	5	3790	2510	3680	2650	5120	5.7130E-03	7.8775E-02	5.3267E-03
16717800	10	5310	3270	5010	3410	7360	8.2671E-03	5.9666E-02	7.2611E-03
16717800	25	7700	4360	6770	4260	10800	1.3679E-02	4.6693E-02	1.0580E-02
16717800	50	9850	5130	8050	4770	13600	1.9436E-02	4.3605E-02	1.3444E-02
16717800	100	12300	6070	9420	5270	16800	2.6700E-02	4.3605E-02	1.6560E-02
16717800	500	19700	8250	12700	6250	25600	4.9642E-02	4.8262E-02	2.4471E-02
16717850	2	135	372	143	97.2	209	7.6530E-03	1.3074E-01	7.2298E-03
16717850	5	252	622	280	182	433	1.0519E-02	7.8775E-02	9.2795E-03
16717850	10	353	831	419	256	685	1.4881E-02	5.9666E-02	1.1911E-02
16717850	25	509	1140	667	379	1170	2.3506E-02	4.6693E-02	1.5635E-02
16717850	50	647	1380	893	483	1650	3.2284E-02	4.3605E-02	1.8550E-02
16717850	100	806	1670	1160	596	2250	4.3069E-02	4.3605E-02	2.1668E-02
16717850	500	1270	2370	1860	856	4040	7.6116E-02	4.8262E-02	2.9535E-02
16717950	2	28.1	300	42.4	21.5	83.6	2.7477E-02	1.3074E-01	2.2705E-02
16717950	5	107	719	208	98.4	440	4.2289E-02	7.8775E-02	2.7517E-02
16717950	10	227	1140	523	237	1160	6.3850E-02	5.9666E-02	3.0844E-02
16717950	25	527	1860	1270	562	2870	1.0748E-01	4.6693E-02	3.2552E-02
16717950	50	930	2500	2010	874	4610	1.5271E-01	4.3605E-02	3.3920E-02
16717950	100	1570	3320	2920	1240	6880	2.0897E-01	4.3605E-02	3.6077E-02
16717950	500	4770	5660	5550	2180	14100	3.8395E-01	4.8262E-02	4.2873E-02
16720000	2	812	1010	814	685	967	1.4745E-03	1.3074E-01	1.4581E-03
16720000	5	1320	1600	1320	1090	1610	1.9730E-03	7.8775E-02	1.9247E-03
16720000	10	1710	2070	1730	1360	2180	2.8555E-03	5.9666E-02	2.7251E-03
16720000	25	2280	2750	2320	1720	3120	4.8294E-03	4.6693E-02	4.3767E-03
16720000	50	2750	3230	2810	1980	3990	6.9939E-03	4.3605E-02	6.0272E-03
16720000	100	3270	3820	3360	2250	5030	9.7717E-03	4.3605E-02	7.9828E-03
16720000	500	4670	5190	4810	2850	8120	1.8705E-02	4.8262E-02	1.3480E-02
16720300	2	340	358	341	270	429	2.6673E-03	1.3074E-01	2.6140E-03
16720300	5	587	558	585	448	765	3.6744E-03	7.8775E-02	3.5106E-03
16720300	10	790	721	784	571	1080	5.3446E-03	5.9666E-02	4.9052E-03
16720300	25	1090	961	1070	725	1580	8.9472E-03	4.6693E-02	7.5084E-03
16720300	50	1360	1130	1300	831	2040	1.2820E-02	4.3605E-02	9.9075E-03
16720300	100	1650	1340	1560	938	2580	1.7738E-02	4.3605E-02	1.2609E-02
16720300	500	2490	1850	2210	1170	4160	3.3373E-02	4.8262E-02	1.9730E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16725000	2	338	510	340	283	408	1.6389E-03	1.3074E-01	1.6186E-03
16725000	5	568	829	575	462	714	2.3826E-03	7.8775E-02	2.3127E-03
16725000	10	760	1090	776	596	1010	3.6261E-03	5.9666E-02	3.4184E-03
16725000	25	1050	1480	1100	781	1540	6.4043E-03	4.6693E-02	5.6319E-03
16725000	50	1310	1760	1380	926	2050	9.4572E-03	4.3605E-02	7.7717E-03
16725000	100	1600	2110	1710	1080	2700	1.3384E-02	4.3605E-02	1.0240E-02
16725000	500	2450	2950	2610	1450	4700	2.6056E-02	4.8262E-02	1.6921E-02
16737000	2	379	547	381	317	458	1.6884E-03	1.3074E-01	1.6668E-03
16737000	5	539	865	547	440	680	2.4128E-03	7.8775E-02	2.3411E-03
16737000	10	654	1120	674	520	875	3.5256E-03	5.9666E-02	3.3289E-03
16737000	25	810	1500	867	627	1200	5.8140E-03	4.6693E-02	5.1702E-03
16737000	50	934	1770	1030	710	1500	8.2063E-03	4.3605E-02	6.9065E-03
16737000	100	1060	2100	1220	798	1870	1.1195E-02	4.3605E-02	8.9082E-03
16737000	500	1400	2900	1740	1010	2980	2.0535E-02	4.8262E-02	1.4406E-02
16738000	2	1050	441	1020	736	1410	5.3403E-03	1.3074E-01	5.1307E-03
16738000	5	1700	733	1570	1060	2320	8.4394E-03	7.8775E-02	7.6227E-03
16738000	10	2230	976	1930	1210	3060	1.2693E-02	5.9666E-02	1.0466E-02
16738000	25	3020	1340	2350	1370	4040	2.0885E-02	4.6693E-02	1.4431E-02
16738000	50	3700	1610	2650	1460	4810	2.9106E-02	4.3605E-02	1.7455E-02
16738000	100	4470	1940	3010	1580	5760	3.9127E-02	4.3605E-02	2.0622E-02
16738000	500	6670	2740	3950	1840	8450	6.9570E-02	4.8262E-02	2.8495E-02
16739000	2	333	411	338	221	518	9.5667E-03	1.3074E-01	8.9144E-03
16739000	5	662	678	664	405	1090	1.4113E-02	7.8775E-02	1.1969E-02
16739000	10	966	899	948	542	1660	2.0639E-02	5.9666E-02	1.5335E-02
16739000	25	1470	1230	1360	726	2560	3.3406E-02	4.6693E-02	1.9474E-02
16739000	50	1940	1470	1680	855	3310	4.6336E-02	4.3605E-02	2.2465E-02
16739000	100	2510	1770	2040	992	4210	6.2185E-02	4.3605E-02	2.5632E-02
16739000	500	4280	2500	2940	1290	6730	1.1064E-01	4.8262E-02	3.3603E-02
16740000	2	39.3	70.7	40.2	29.1	55.4	5.2700E-03	1.3074E-01	5.0658E-03
16740000	5	64.5	124	68.6	46.5	101	8.2064E-03	7.8775E-02	7.4322E-03
16740000	10	85.1	171	95.9	60.8	151	1.2293E-02	5.9666E-02	1.0193E-02
16740000	25	116	244	145	85.1	249	2.0236E-02	4.6693E-02	1.4117E-02
16740000	50	143	302	192	106	347	2.8253E-02	4.3605E-02	1.7145E-02
16740000	100	174	375	249	131	473	3.8063E-02	4.3605E-02	2.0323E-02
16740000	500	262	565	411	192	876	6.7995E-02	4.8262E-02	2.8227E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai‘i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16741000	2	295	180	290	212	397	5.0461E-03	1.3074E-01	4.8586E-03
16741000	5	463	306	448	313	640	6.8226E-03	7.8775E-02	6.2788E-03
16741000	10	588	414	560	372	843	9.5077E-03	5.9666E-02	8.2009E-03
16741000	25	762	579	713	443	1150	1.4673E-02	4.6693E-02	1.1164E-02
16741000	50	902	705	835	493	1420	1.9826E-02	4.3605E-02	1.3629E-02
16741000	100	1050	861	976	548	1740	2.6081E-02	4.3605E-02	1.6320E-02
16741000	500	1440	1260	1350	678	2690	4.4961E-02	4.8262E-02	2.3276E-02
16742000	2	112	107	112	91.2	138	2.1580E-03	1.3074E-01	2.1230E-03
16742000	5	167	185	168	130	216	3.3173E-03	7.8775E-02	3.1832E-03
16742000	10	209	253	212	156	288	5.0288E-03	5.9666E-02	4.6379E-03
16742000	25	268	357	280	191	411	8.5372E-03	4.6693E-02	7.2176E-03
16742000	50	317	438	340	219	529	1.2204E-02	4.3605E-02	9.5356E-03
16742000	100	371	539	411	250	676	1.6788E-02	4.3605E-02	1.2122E-02
16742000	500	516	800	612	329	1140	3.1128E-02	4.8262E-02	1.8923E-02
16752600	2	61.7	279	76.2	41.4	140	2.1262E-02	1.3074E-01	1.8288E-02
16752600	5	227	554	272	154	483	2.0300E-02	7.8775E-02	1.6140E-02
16752600	10	419	803	505	279	914	2.4237E-02	5.9666E-02	1.7236E-02
16752600	25	764	1200	929	489	1760	3.5557E-02	4.6693E-02	2.0186E-02
16752600	50	1100	1530	1310	659	2600	4.9014E-02	4.3605E-02	2.3076E-02
16752600	100	1500	1930	1750	838	3630	6.6747E-02	4.3605E-02	2.6375E-02
16752600	500	2660	3010	2910	1250	6740	1.2405E-01	4.8262E-02	3.4744E-02
16755800	2	92.1	51.6	91.2	74.4	112	2.0827E-03	1.3074E-01	2.0500E-03
16755800	5	152	110	150	119	190	2.8084E-03	7.8775E-02	2.7117E-03
16755800	10	199	166	197	149	260	4.0475E-03	5.9666E-02	3.7904E-03
16755800	25	268	261	267	189	378	6.7492E-03	4.6693E-02	5.8968E-03
16755800	50	326	343	329	220	492	9.6700E-03	4.3605E-02	7.9148E-03
16755800	100	390	449	403	255	636	1.3389E-02	4.3605E-02	1.0244E-02
16755800	500	564	748	621	347	1110	2.5249E-02	4.8262E-02	1.6577E-02
16756000	2	1680	648	1540	946	2520	1.2902E-02	1.3074E-01	1.1743E-02
16756000	5	3190	1190	2760	1710	4480	1.3351E-02	7.8775E-02	1.1416E-02
16756000	10	4330	1660	3520	2110	5870	1.6402E-02	5.9666E-02	1.2865E-02
16756000	25	5870	2390	4370	2500	7640	2.2861E-02	4.6693E-02	1.5347E-02
16756000	50	7060	2950	4960	2730	9030	2.9519E-02	4.3605E-02	1.7603E-02
16756000	100	8280	3630	5650	2970	10700	3.7692E-02	4.3605E-02	2.0217E-02
16756000	500	11200	5370	7400	3510	15600	6.2407E-02	4.8262E-02	2.7215E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16756100	2	857	652	851	654	1110	3.4926E-03	1.3074E-01	3.4017E-03
16756100	5	1250	1210	1250	919	1690	4.8224E-03	7.8775E-02	4.5442E-03
16756100	10	1530	1690	1540	1080	2190	6.7890E-03	5.9666E-02	6.0955E-03
16756100	25	1900	2420	1990	1310	3020	1.0566E-02	4.6693E-02	8.6161E-03
16756100	50	2200	3000	2370	1480	3790	1.4334E-02	4.3605E-02	1.0788E-02
16756100	100	2500	3700	2820	1680	4730	1.8907E-02	4.3605E-02	1.3188E-02
16756100	500	3280	5480	4040	2150	7580	3.2714E-02	4.8262E-02	1.9498E-02
16756300	2	968	655	959	748	1230	3.0993E-03	1.3074E-01	3.0275E-03
16756300	5	1620	1220	1600	1220	2090	3.7855E-03	7.8775E-02	3.6119E-03
16756300	10	2110	1700	2070	1520	2830	5.1147E-03	5.9666E-02	4.7109E-03
16756300	25	2800	2460	2750	1890	3990	8.0001E-03	4.6693E-02	6.8299E-03
16756300	50	3360	3040	3290	2150	5030	1.1098E-02	4.3605E-02	8.8467E-03
16756300	100	3950	3760	3900	2420	6280	1.5022E-02	4.3605E-02	1.1173E-02
16756300	500	5480	5580	5520	3040	10000	2.7434E-02	4.8262E-02	1.7491E-02
16756500	2	932	695	928	760	1130	1.9835E-03	1.3074E-01	1.9539E-03
16756500	5	1620	1400	1620	1290	2020	2.5335E-03	7.8775E-02	2.4545E-03
16756500	10	2180	2020	2170	1670	2820	3.5652E-03	5.9666E-02	3.3642E-03
16756500	25	3000	3020	3000	2160	4150	5.8939E-03	4.6693E-02	5.2333E-03
16756500	50	3690	3820	3710	2540	5420	8.4563E-03	4.3605E-02	7.0828E-03
16756500	100	4450	4820	4530	2930	6990	1.1749E-02	4.3605E-02	9.2553E-03
16756500	500	6540	7410	6800	3890	11900	2.2343E-02	4.8262E-02	1.5273E-02
16757000	2	520	305	509	372	697	5.0166E-03	1.3074E-01	4.8312E-03
16757000	5	964	554	930	676	1280	5.3628E-03	7.8775E-02	5.0210E-03
16757000	10	1310	769	1240	870	1760	6.7461E-03	5.9666E-02	6.0608E-03
16757000	25	1780	1100	1630	1080	2460	1.0033E-02	4.6693E-02	8.2588E-03
16757000	50	2160	1360	1930	1220	3060	1.3696E-02	4.3605E-02	1.0422E-02
16757000	100	2550	1680	2250	1350	3760	1.8406E-02	4.3605E-02	1.2943E-02
16757000	500	3530	2500	3070	1630	5780	3.3452E-02	4.8262E-02	1.9758E-02
16758000	2	473	354	471	379	585	2.3373E-03	1.3074E-01	2.2962E-03
16758000	5	971	670	956	739	1240	3.3827E-03	7.8775E-02	3.2434E-03
16758000	10	1450	948	1410	1030	1920	5.1921E-03	5.9666E-02	4.7765E-03
16758000	25	2280	1380	2100	1410	3130	9.3378E-03	4.6693E-02	7.7816E-03
16758000	50	3090	1730	2690	1690	4280	1.3957E-02	4.3605E-02	1.0573E-02
16758000	100	4100	2160	3350	1980	5690	1.9943E-02	4.3605E-02	1.3684E-02
16758000	500	7430	3270	5140	2640	9990	3.9422E-02	4.8262E-02	2.1698E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai‘i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16759000	2	191	97.4	189	152	235	2.3588E-03	1.3074E-01	2.3170E-03
16759000	5	360	196	352	274	452	3.1995E-03	7.8775E-02	3.0747E-03
16759000	10	508	286	488	362	656	4.6787E-03	5.9666E-02	4.3385E-03
16759000	25	742	435	687	473	997	7.9996E-03	4.6693E-02	6.8296E-03
16759000	50	954	559	852	553	1310	1.1651E-02	4.3605E-02	9.1942E-03
16759000	100	1200	715	1040	637	1700	1.6344E-02	4.3605E-02	1.1888E-02
16759000	500	1930	1140	1570	842	2930	3.1467E-02	4.8262E-02	1.9048E-02
16759040	2	123	67.1	121	89.4	162	4.5232E-03	1.3074E-01	4.3719E-03
16759040	5	225	132	216	150	311	7.1701E-03	7.8775E-02	6.5719E-03
16759040	10	318	192	294	190	455	1.1099E-02	5.9666E-02	9.3580E-03
16759040	25	471	289	408	241	692	1.9273E-02	4.6693E-02	1.3642E-02
16759040	50	614	370	504	280	908	2.7903E-02	4.3605E-02	1.7015E-02
16759040	100	786	473	619	324	1180	3.8757E-02	4.3605E-02	2.0519E-02
16759040	500	1330	754	945	438	2040	7.2958E-02	4.8262E-02	2.9047E-02
16759060	2	66.4	366	92.2	45.1	189	3.1126E-02	1.3074E-01	2.5140E-02
16759060	5	344	1220	506	252	1020	3.4487E-02	7.8775E-02	2.3986E-02
16759060	10	784	2250	1230	598	2520	4.4259E-02	5.9666E-02	2.5410E-02
16759060	25	1830	4290	3020	1430	6390	6.7019E-02	4.6693E-02	2.7520E-02
16759060	50	3120	6340	5050	2320	11000	9.2238E-02	4.3605E-02	2.9608E-02
16759060	100	4990	9160	7830	3480	17600	1.2464E-01	4.3605E-02	3.2304E-02
16759060	500	12500	18200	17100	6930	42000	2.2832E-01	4.8262E-02	3.9841E-02
16759080	2	489	316	460	251	845	2.1058E-02	1.3074E-01	1.8137E-02
16759080	5	1290	999	1200	618	2340	3.0117E-02	7.8775E-02	2.1788E-02
16759080	10	2190	1800	2020	987	4120	4.3251E-02	5.9666E-02	2.5075E-02
16759080	25	3910	3360	3570	1680	7580	6.8700E-02	4.6693E-02	2.7799E-02
16759080	50	5740	4900	5150	2360	11200	9.4283E-02	4.3605E-02	2.9816E-02
16759080	100	8160	7000	7280	3230	16400	1.2549E-01	4.3605E-02	3.2361E-02
16759080	500	16900	13600	14100	5760	34700	2.2032E-01	4.8262E-02	3.9590E-02
16759180	2	497	183	487	386	615	2.7191E-03	1.3074E-01	2.6637E-03
16759180	5	672	445	662	517	848	3.1292E-03	7.8775E-02	3.0097E-03
16759180	10	782	709	777	589	1030	4.0318E-03	5.9666E-02	3.7766E-03
16759180	25	914	1170	940	679	1300	5.8163E-03	4.6693E-02	5.1720E-03
16759180	50	1010	1580	1080	750	1550	7.6072E-03	4.3605E-02	6.4772E-03
16759180	100	1100	2120	1240	829	1860	9.7816E-03	4.3605E-02	7.9894E-03
16759180	500	1300	3670	1690	1030	2790	1.6322E-02	4.8262E-02	1.2197E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawai'i—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16759200	2	211	102	201	133	303	8.8687E-03	1.3074E-01	8.3053E-03
16759200	5	490	273	455	290	713	1.1372E-02	7.8775E-02	9.9374E-03
16759200	10	765	456	686	415	1140	1.5747E-02	5.9666E-02	1.2459E-02
16759200	25	1230	792	1060	594	1880	2.5007E-02	4.6693E-02	1.6285E-02
16759200	50	1680	1110	1400	747	2620	3.4824E-02	4.3605E-02	1.9361E-02
16759200	100	2230	1520	1830	926	3600	4.7177E-02	4.3605E-02	2.2660E-02
16759200	500	3950	2790	3160	1430	6990	8.6019E-02	4.8262E-02	3.0916E-02
16759300	2	260	224	256	146	446	1.7262E-02	1.3074E-01	1.5249E-02
16759300	5	958	614	876	496	1550	1.9865E-02	7.8775E-02	1.5865E-02
16759300	10	1860	1040	1560	848	2860	2.6065E-02	5.9666E-02	1.8140E-02
16759300	25	3710	1810	2660	1370	5170	4.0240E-02	4.6693E-02	2.1614E-02
16759300	50	5760	2540	3640	1800	7370	5.5855E-02	4.3605E-02	2.4488E-02
16759300	100	8510	3500	4840	2280	10300	7.5886E-02	4.3605E-02	2.7693E-02
16759300	500	18500	6400	8400	3570	19700	1.3999E-01	4.8262E-02	3.5889E-02
16759500	2	1050	266	897	513	1570	1.7409E-02	1.3074E-01	1.5363E-02
16759500	5	2300	716	1850	1070	3190	1.8024E-02	7.8775E-02	1.4668E-02
16759500	10	3330	1200	2530	1420	4480	2.2159E-02	5.9666E-02	1.6158E-02
16759500	25	4830	2070	3440	1860	6380	3.1068E-02	4.6693E-02	1.8655E-02
16759500	50	6060	2880	4240	2210	8150	4.0361E-02	4.3605E-02	2.0960E-02
16759500	100	7370	3940	5240	2620	10500	5.1848E-02	4.3605E-02	2.3685E-02
16759500	500	10700	7120	8230	3720	18200	8.6867E-02	4.8262E-02	3.1025E-02
16759800	2	35	118	35.4	29	43.1	1.9472E-03	2.2231E-01	1.9303E-03
16759800	5	53.2	135	53.8	42.7	67.9	2.6737E-03	2.0468E-01	2.6392E-03
16759800	10	66.8	158	67.8	51.3	89.4	3.8535E-03	2.2231E-01	3.7878E-03
16759800	25	85.6	185	87.5	61.4	125	6.3438E-03	2.2231E-01	6.1678E-03
16759800	50	101	205	104	68	158	8.9865E-03	2.3949E-01	8.6615E-03
16759800	100	117	225	121	74	197	1.2316E-02	2.5621E-01	1.1751E-02
16759800	500	160	271	166	86.2	320	2.2815E-02	2.8824E-01	2.1142E-02
16762000	2	788	472	784	630	976	2.3783E-03	2.2231E-01	2.3531E-03
16762000	5	1210	816	1200	978	1480	2.1288E-03	2.0468E-01	2.1069E-03
16762000	10	1470	1060	1460	1170	1830	2.4738E-03	2.2231E-01	2.4465E-03
16762000	25	1770	1410	1760	1350	2310	3.6213E-03	2.2231E-01	3.5632E-03
16762000	50	1980	1680	1970	1440	2710	5.0332E-03	2.3949E-01	4.9296E-03
16762000	100	2170	1980	2160	1490	3130	6.9090E-03	2.5621E-01	6.7276E-03
16762000	500	2570	2720	2570	1560	4250	1.2950E-02	2.8824E-01	1.2393E-02

Table 12. Estimated peak discharges for selected recurrence intervals at stream-gaging stations, State of Hawaiʻi—Continued.

[ft³/s, cubic feet per second; WIE, Weighted Independent Estimates program from Berenbrock and Cohn (2008); PeakFQ, program for flood-frequency analysis from Flynn and others (2006); The WIE program was used to compute the weighted peak discharge values and all variances. The WIE program also computes the station discharge value from the mean, standard deviation, and skew values, and the computed station discharge value may differ slightly (by less than 0.5 percent or, if greater than 0.5 percent, by less than 1 cubic foot per second) from the Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) value shown in the table as computed from the PeakFQ program.]

Station no.	Recurrence interval, in years	Peak discharge values, in ft ³ /s			95-percent confidence interval, in ft ³ /s		Variance (logarithmic units)		
		Station value (Bulletin 17B)	Regression equation	Weighted value	Lower	Upper	Station value	Regression equation	Weighted value
16764000	2	989	714	988	873	1120	7.5226E-04	2.2231E-01	7.4972E-04
16764000	5	1300	1350	1300	1110	1520	1.2043E-03	2.0468E-01	1.1973E-03
16764000	10	1510	1820	1520	1250	1840	1.8895E-03	2.2231E-01	1.8736E-03
16764000	25	1800	2490	1810	1400	2350	3.3465E-03	2.2231E-01	3.2969E-03
16764000	50	2030	3040	2050	1500	2800	4.9059E-03	2.3949E-01	4.8074E-03
16764000	100	2270	3650	2300	1590	3330	6.8831E-03	2.5621E-01	6.7030E-03
16764000	500	2890	5210	2960	1790	4920	1.3171E-02	2.8824E-01	1.2595E-02
16765000	2	436	294	434	363	521	1.6163E-03	2.2231E-01	1.6047E-03
16765000	5	595	460	594	483	729	2.1058E-03	2.0468E-01	2.0844E-03
16765000	10	702	579	700	550	892	2.9156E-03	2.2231E-01	2.8779E-03
16765000	25	838	736	836	618	1130	4.5655E-03	2.2231E-01	4.4736E-03
16765000	50	941	858	938	659	1340	6.2745E-03	2.3949E-01	6.1143E-03
16765000	100	1050	989	1040	694	1570	8.3959E-03	2.5621E-01	8.1295E-03
16765000	500	1290	1300	1290	754	2210	1.4967E-02	2.8824E-01	1.4229E-02
16767000	2	1170	269	1140	899	1460	2.8910E-03	2.2231E-01	2.8539E-03
16767000	5	1840	418	1800	1420	2280	2.7726E-03	2.0468E-01	2.7355E-03
16767000	10	2270	522	2220	1720	2880	3.3134E-03	2.2231E-01	3.2647E-03
16767000	25	2800	660	2720	1990	3700	4.8222E-03	2.2231E-01	4.7198E-03
16767000	50	3180	766	3060	2130	4390	6.5942E-03	2.3949E-01	6.4175E-03
16767000	100	3540	880	3380	2220	5130	8.9160E-03	2.5621E-01	8.6162E-03
16767000	500	4330	1150	4030	2300	7060	1.6378E-02	2.8824E-01	1.5498E-02
16770000	2	2810	653	2650	1740	4030	9.0114E-03	2.2231E-01	8.6603E-03
16770000	5	5600	1230	5240	3430	8020	9.2551E-03	2.0468E-01	8.8548E-03
16770000	10	7800	1650	7240	4520	11600	1.1375E-02	2.2231E-01	1.0821E-02
16770000	25	10900	2240	9770	5590	17100	1.6368E-02	2.2231E-01	1.5246E-02
16770000	50	13300	2720	11700	6170	22100	2.1857E-02	2.3949E-01	2.0029E-02
16770000	100	15900	3250	13500	6550	28000	2.8844E-02	2.5621E-01	2.5925E-02
16770000	500	22200	4610	17500	6870	44800	5.0825E-02	2.8824E-01	4.3206E-02
16770500	2	566	806	576	358	928	1.1751E-02	2.2231E-01	1.1161E-02
16770500	5	1620	1600	1620	964	2730	1.4193E-02	2.0468E-01	1.3272E-02
16770500	10	2800	2180	2740	1510	4990	1.9105E-02	2.2231E-01	1.7593E-02
16770500	25	4980	3010	4690	2250	9770	2.9950E-02	2.2231E-01	2.6394E-02
16770500	50	7210	3690	6530	2790	15300	4.1703E-02	2.3949E-01	3.5518E-02
16770500	100	10000	4460	8670	3280	22900	5.6663E-02	2.5621E-01	4.6401E-02
16770500	500	19500	6450	14600	4180	50800	1.0423E-01	2.8824E-01	7.6549E-02