Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
01428750	27.9	23.5	21.0	28.8	25.6	23.9	24.6	77.7	19.1	75.0
01429000	48.4	42.3	38.5	40.8	36.3	33.8	34.3	118	27.3	107
01429500	44.8	40.1	37.3	44.3	39.6	36.9	26.0	114	27.9	111
01430000	130	120	113	108	96.7	90.1	78.6	302	76.0	285
01431000	52.3	48.9	46.9	47.6	42.3	39.3	26.2	133	30.7	127
01431500	177	156	144	183	163	152	133	487	131	490
01432000	206	192	183	150	134	125	108	397	108	399
01439500	111	95.1	85.8	81.2	72.8	68.0	67.6	234	54.0	200
01440400	60.8	53.6	49.2	50.4	45.3	42.5	43.5	134	33.0	120
01441000	56.9	48.7	43.7	51.5	46.2	43.2	59.1	121	38.3	121
01442500	231	203	186	209	189	177	222	553	169	498
01447500	90.5	80.3	74.0	70.9	63.8	59.8	76.4	187	53.1	182
01447720	120	107	99.0	93.8	84.4	79.1	126	263	78.3	247
01449360	52.0	45.1	40.8	37.7	33.7	31.5	56.1	100	29.3	94.2
01449500	21.2	19.1	17.8	16.5	15.0	14.1	14.9	37.4	11.0	35.7
01450500	69.6	61.0	55.9	56.1	50.1	46.7	73.3	150	43.2	132
01451000	1,000	913	856	711	640	600	901	1,920	639	1,780
01451500	48.4	40.1	35.3	64.1	56.6	52.3	69.9	99.5	104	119
01451800	31.0	26.8	24.2	26.4	23.0	21.1	23.2	90.5	20.9	78.9
01452500	23.8	19.0	16.3	29.3	25.5	23.4	35.7	53.0	46.6	60.5

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
01453000	1,030	945	890	997	894	835	1,290	2,150	1,080	2,400
01459500	26.4	23.5	21.9	60.3	53.4	49.6	11.8	139	45.6	149
01465000	56.2	47.1	41.8	71.7	63.5	58.9	39.6	226	69.0	197
01465500	83.6	71.3	64.1	115	102	94.7	65.1	282	118	307
01465798	7.0	6.0	5.5	11.6	10.3	9.7	8.9	32.0	14.7	31.3
01467042	24.0	20.0	17.7	20.3	18.2	17.0	33.5	66.8	24.8	58.0
01467048	30.8	27.7	25.9	26.8	24.0	22.4	42.3	90.4	33.6	75.9
01467086	10.9	9.9	9.2	7.9	7.1	6.6	14.1	26.6	9.7	24.7
01467087	10.4	9.7	9.3	14.5	13.0	12.1	13.1	40.4	18.7	44.7
01468500	137	118	107	116	104	98.0	152	275	98.4	274
01469500	39.1	31.3	26.5	40.5	36.6	34.4	31.6	91.5	32.2	94.5
01470500	297	259	237	301	271	254	339	706	270	718
01470720	4.6	3.9	3.6	3.8	3.3	3.1	3.1	12.6	2.8	11.3
01470756	98.4	82.0	72.1	101	88.6	81.7	97.2	265	97.9	255
01470779	54.5	46.4	41.5	41.2	35.6	32.4	72.4	106	72.7	77.2
01470960	120	95.4	81.0	107	93.2	85.5	138	284	143.0	242
01471000	136	113	99.1	131	114	105	168	316	177	294
01471510	698	650	622	650	577	536	756	1,490	787	1,510
01471980	55.3	49.2	45.6	66.5	59.0	54.8	66.5	127	68.3	136
01472000	756	632	558	846	752	699	989	1,910	1,030	1,940

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
01472157	35.9	31.0	28.1	37.6	33.4	31.0	42.0	86.6	26.7	90.3
01472174	4.2	3.5	3.1	2.9	2.5	2.3	5.4	10.5	2.0	8.2
01472198	25.8	23.3	21.8	23.1	20.4	18.8	29.3	59.3	17.4	58.5
01472199	16.6	14.7	13.5	15.8	14.1	13.1	16.7	36.6	11.7	37.6
01472500	68.7	58.2	52.0	94.9	84.1	78.0	75.0	251	75.1	234
01473000	94.2	77.3	67.5	161	142	132	115	389	137	415
01473120	17.3	14.4	12.6	25.8	22.7	21.0	14.6	79.2	21.6	70.5
01475300	4.0	3.6	3.4	2.9	2.6	2.5	4.8	9.1	2.8	8.2
01475510	26.5	23.2	21.2	19.0	17.0	15.9	37.2	64.3	22.3	57.4
01475530	2.8	2.5	2.3	2.3	2.0	1.9	3.9	7.3	2.5	7.2
01475550	11.8	10.8	10.3	9.9	8.8	8.2	5.4	33.9	12.0	30.7
01475850	10.5	9.8	9.5	9.9	8.9	8.3	11.4	22.3	8.0	24.8
01476500	21.5	18.8	17.1	19.5	17.5	16.3	24.8	43.3	16.0	48.4
01477000	37.6	32.8	29.9	35.3	31.5	29.4	50.4	89.0	33.2	92.5
01479820	18.0	16.8	16.2	15.7	13.8	12.7	20.8	37.1	14.8	39.8
01480300	10.0	8.7	7.9	8.5	7.4	6.8	12.5	25.9	6.7	26.6
01480675	4.7	4.0	3.7	5.0	4.4	4.1	4.6	12.3	3.2	12.8
01480800	37.4	34.0	32.1	47.8	42.1	39.0	44.1	86.7	41.8	122
01481000	164	141	128	167	147	136	225	385	165	431
01500500	673	578	520	500	442	409	483	1,560	356	1,480

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
01502500	342	290	258	254	223	206	249	839	175	760
01507000	374	323	291	275	242	223	261	887	181	824
01514000	107	93.4	85.4	78.3	68.7	63.3	53.4	280	42.9	232
01516500	3.7	2.9	2.4	3.6	3.1	2.8	1.1	12.4	1.6	12.9
01518500	35.6	30.5	27.5	35.4	30.5	27.8	16.2	112	16.6	124
01518862	29.8	24.2	21.0	33.6	29.3	26.9	13.4	102	17.6	111
01520000	77.5	67.1	61.0	94.7	82.1	75.0	33.7	294	49.1	327
01532000	88.2	73.9	65.6	82.3	71.8	66.0	35.7	287	44.9	261
01532850	3.6	3.5	3.4	3.1	2.7	2.5	1.7	10.2	1.5	8.2
01533500	16.0	14.3	13.3	17.4	15.3	14.2	6.3	47.2	8.7	48.5
01533950	5.6	4.7	4.1	7.4	6.5	6.1	3.1	17.3	4.2	20.0
01534000	180	154	137	192	169	157	128	541	130	558
01538000	28.0	24.4	22.1	29.8	26.7	25.0	22.3	64.8	20.2	76.7
01539000	182	161	149	159	141	131	132	475	108	431
01540000	261	225	202	197	174	161	235	698	138	545
01541000	190	164	148	216	193	180	156	555	160	572
01541200	236	223	216	252	225	210	207	591	187	664
01541308	6.3	5.7	5.3	6.1	5.6	5.2	5.4	12.9	4.1	14.8
01541500	194	164	146	225	200	186	163	574	152	609
01542500	985	902	853	902	805	749	858	2,450	678	2,460

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
01542810	3.0	2.6	2.4	3.9	3.5	3.3	1.1	8.6	2.0	9.2
01543000	141	121	108	204	184	172	63.5	449	137	496
01543500	386	336	307	514	463	433	189	1,130	367	1,260
01544500	84.9	75.7	70.2	82.3	73.5	68.5	45.3	225	46.3	214
01545600	27.4	23.4	20.9	32.1	28.8	26.9	16.7	72.8	17.7	78.2
01546000	64.2	60.7	58.8	62.5	55.3	51.3	27.5	210	36.5	160
01546400	32.8	28.8	26.5	37.0	32.3	29.8	40.0	65.2	50.2	76.7
01546500	53.5	46.0	41.5	54.3	47.5	43.7	66.7	93.2	79.2	110
01547200	194	171	157	158	140	129	237	403	162	347
01547700	20.3	17.5	15.7	22.2	19.6	18.1	8.1	58.3	11.8	60.4
01547800	12.8	11.6	10.9	7.9	7.0	6.6	9.1	23.6	3.9	19.7
01547950	115	96.9	85.5	90.7	80.9	75.4	90.2	262	52.6	236
01548005	332	287	260	337	298	276	373	773	300	784
01548500	296	256	232	273	241	223	179	837	152	797
01549000	400	354	327	359	318	294	264	1,140	206	1,020
01549500	20.4	17.9	16.4	15.7	13.8	12.7	9.6	58.1	7.4	46.9
01549700	468	404	366	449	397	368	298	1,390	262	1,280
01549780	3.9	3.3	2.9	3.9	3.5	3.2	2.4	10.9	2.0	10.6
01550000	109	94.7	85.9	78.8	69.5	64.3	65.0	286	40.9	226
01552000	267	229	206	247	220	205	180	759	153	664

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
01552500	19.3	17.1	15.9	19.3	17.4	16.3	11.0	47.8	11.8	46.0
01553130	5.0	4.5	4.2	4.0	3.6	3.4	4.1	9.1	2.2	9.2
01555000	183	156	139	228	203	189	163	439	220	508
01555500	78.7	65.5	57.7	83.2	73.0	67.4	55.2	225	59.7	238
01556000	155	134	121	169	149	138	157	394	143	423
01556500	71.5	66.4	63.4	56.8	50.7	47.3	45.8	149	37.9	149
01557500	30.5	26.9	24.8	25.6	22.7	21.1	20.9	72.5	13.9	64.0
01558000	185	167	156	137	122	114	174	373	110	327
01559000	485	431	399	500	443	410	532	1,090	494	1,150
01559500	58.8	48.4	42.1	67.9	60.1	55.7	44.5	148	39.5	173
01559700	2.0	1.7	1.5	2.7	2.4	2.2	.7	5.5	1.3	7.4
01560000	82.6	72.8	67.0	78.8	69.1	63.6	52.6	230	50.1	234
01562000	307	260	231	365	320	295	278	915	280	1,000
01562500	32.8	25.4	21.0	41.8	36.9	34.1	13.8	95.0	23.2	118
01564500	71.3	58.4	50.9	101	89.1	82.4	37.4	242	61.5	271
01565000	101	90.6	84.4	103	90.7	84.0	71.1	206	89.8	240
01565700	2.6	2.1	1.9	3.5	3.1	2.8	2.4	7.5	3.4	8.0
01566000	85.8	66.6	54.9	117	104.0	95.8	57.7	256	80.8	289
01566500	26.3	22.8	20.7	31.7	27.9	25.8	15.9	76.8	21.1	80.5
01567500	7.8	6.8	6.2	7.4	6.5	5.9	7.5	19.1	5.3	18.7

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
01568000	101	82.5	71.6	111	97.8	90.4	79.1	289	78.7	280
01569000	24.0	19.9	17.5	24.5	22.0	20.6	22.4	60.4	14.1	55.0
01569800	28.0	24.9	23.1	11.4	9.9	9.0	35.9	43.0	20.5	23.1
01570000	201	156	129	218	189	172	255	557	242	552
01571000	4.9	4.0	3.5	5.5	4.8	4.5	2.3	14.9	4.7	14.8
01571500	162	144	134	133	117	108	199	292	134	291
01572000	19.2	14.6	11.8	22.9	20.3	18.8	13.6	57.6	16.4	58.2
01573500	10.0	8.8	8.0	9.4	8.4	7.8	7.9	23.4	5.1	21.0
01574500	27.9	23.4	20.8	29.8	25.6	23.4	37.9	73.9	24.7	88.1
01576085	2.9	2.5	2.3	3.9	3.4	3.1	2.6	7.2	4.4	8.1
01576754	260	221	199	285	248	228	345	616	466	603
01577500	62.2	47.1	38.4	52.9	45.8	41.8	93.1	157	38.6	168
01578400	3.2	2.7	2.3	2.5	2.1	1.9	4.7	8.0	2.0	6.9
01603500	13.3	11.3	10.2	17.2	15.1	14.0	8.6	32.3	10.9	40.5
01613500	68.6	66.6	65.6	83.5	73.5	67.8	38.6	162	60.9	208
01614090	3.5	2.9	2.6	4.2	3.8	3.5	2.1	7.3	2.2	9.4
01614500	211	177	157	193	167	153	228	595	147	634
03007800	150	130	118	146	130	121	118	446	89.7	398
03009680	128	116	109	124	111	104	89.3	301	83.7	306
03010500	369	330	307	356	318	297	233	942	245	948

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
03010655	56.8	50.9	47.5	52.8	46.8	43.4	38.0	152	29.0	147
03011020	1,030	909	833	987	882	820	765	2,770	731	2,720
03011800	34.5	30.9	28.7	31.7	28.6	26.8	27.7	77.1	19.7	75.8
03013000	205	178	162	153	134	124	153	539	119	472
03015000	663	556	488	478	422	390	441	1,460	421	1,430
03015280	10.6	9.8	9.2	8.7	7.7	7.2	6.2	23.2	5.4	22.9
03015500	210	189	175	237	212	198	173	591	194	625
03017500	185	166	154	182	164	153	115	428	124	438
03019000	271	231	207	359	324	303	168	824	254	869
03020500	199	181	169	205	183	170	163	535	153	538
03021350	72.9	65.0	60.0	60.1	53.2	49.3	42.3	218	47.5	171
03021410	44.1	39.5	36.5	35.7	31.7	29.4	24.4	130	26.7	97.2
03021500	148	134	126	135	119	111	73.5	415	110	382
03022500	386	352	332	379	335	310	202	1,040	329	1,110
03022540	22.2	19.8	18.3	19.4	17.2	15.9	16.8	55.1	13.0	53.4
03023500	622	569	538	580	513	474	418	1,740	517	1,720
03024000	620	552	510	597	528	488	479	1,730	532	1,770
03025000	112	98.3	90.0	105	93.3	86.7	82.6	271	73.8	282
03025200	4.9	4.4	4.2	3.6	3.2	3.0	3.3	8.8	1.9	9.2
03026500	6.2	5.4	5.0	6.3	5.7	5.3	2.6	14.5	3.5	15.0

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
03028000	51.5	45.6	42.2	49.6	44.6	41.8	39.1	125	32.3	122
03029400	7.9	6.9	6.3	10.1	9.1	8.5	4.0	19.8	5.8	23.5
03029500	577	502	457	622	561	525	550	1,490	473	1,540
03031950	5.7	5.2	4.9	4.3	3.8	3.5	3.3	13.3	2.7	12.4
03032500	296	246	216	325	289	269	224	876	247	901
03038000	89.2	77.6	70.6	122	108	101	42.7	278	89.0	325
03039200	2.8	2.6	2.5	2.3	2.1	1.9	1.0	6.2	1.2	6.4
03039925	3.6	3.0	2.7	3.0	2.7	2.6	2.4	7.8	1.6	7.0
03042200	5.6	5.1	4.8	6.1	5.5	5.1	2.4	13.2	3.6	14.4
03047500	1,040	871	767	1,170	1,050	977	895	3,020	1,020	3,230
03049000	67.9	60.6	56.2	71.6	63.2	58.4	34.0	189	45.9	202
03049800	2.0	1.6	1.5	2.9	2.6	2.4	.8	6.1	1.6	8.1
03072590	6.5	5.6	5.1	9.7	8.6	7.9	1.9	19.2	6.5	27.3
03072840	48.7	42.5	38.9	55.9	48.8	44.8	27.1	155	34.8	173
03074300	2.8	2.5	2.4	3.4	3.1	2.9	1.0	7.1	1.9	7.8
03078000	49.0	44.0	40.9	37.3	33.1	30.7	19.8	119	22.9	107
03079000	232	206	191	199	175	162	145	659	144	626
03080000	103	91.3	84.0	94.2	84.5	79.0	53.8	265	68.3	244
03082200	7.1	6.4	6.0	6.7	6.0	5.5	1.5	19.0	3.9	17.1
03082500	817	761	730	960	859	801	488	2,510	845	2,620

[Excerpted from Low-Flow, Base-Flow, and Mean-Flow Regression Equations for Pennsylvania Streams, USGS Report SIR-2006-5130 by Stuckey.]

Appendix 5. Base-flow and mean-flow characteristics computed from streamflow-gaging-station data and regression equations for stations used in analysis.—Continued

[streamflow characteristics in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Observed base-flow characteristic			Predicted base-flow characteristic			Observed mean-flow characteristic		Predicted mean-flow characteristic	
	10-year base flow	25-year base flow	50-year base flow	10-year base flow	25-year base flow	50-year base flow	Harmonic mean	Mean annual flow	Harmonic mean	Mean annual flow
03084000	1.8	1.5	1.4	2.0	1.8	1.6	1.0	5.5	1.3	6.2
03084500	21.1	15.4	12.1	26.8	23.8	22.1	8.6	76.9	17.5	78.4
03093000	30.6	25.0	21.7	36.8	32.0	29.3	30.1	114	22.3	119
03100000	65.5	59.3	55.8	63.2	55.0	50.3	28.0	200	47.5	210
03102000	75.7	65.8	59.9	76.0	66.1	60.6	23.6	213	56.8	251
03102500	47.3	40.9	37.1	43.5	37.8	34.7	32.9	142	29.0	141
03103000	54.9	46.8	42.3	59.2	51.0	46.4	19.2	201	40.1	206
03104000	193	161	142	238	207	190	109	692	184	806
03104760	.8	.7	.6	.8	.7	.6	.3	3.3	.5	2.9
03106000	136	112	96.5	153	134	123	87.1	458	108	481
03106500	183	156	140	185	162	149	166	553	132	570
03108000	77.2	67.9	62.2	76.6	67.4	62.2	51.4	205	46.7	228
03109500	165	141	126	173	151	138	132	516	117	590
04213000	69.0	58.9	52.9	89.0	78.3	72.2	27.2	270	62.8	256
04213075	2.0	1.7	1.4	2.3	2.0	1.9	1.9	6.4	1.4	6.5

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