

Table 1. The 255 USGS gauging stations used in this study; Their ID, name, State at gage location, basin area (AR), mean annual precipitation (P), average annual air temperature for the watershed (T), snow percent of total precipitation estimate (SNO), mean watershed elevation (ELV), mean watershed slop (SLP), and watershed percent of evergreen forest (LUE), Source: Falcone (2011).

USGS_ID	Name and State at gage location	AR (km ²)	P (mm)	T (°C)	SNO (%)	ELV (m)	SLP (%)	LUE (%)
01013500	Fish River near Fort Kent, ME	2252.70	974.2	3.0	36.9	273.3	6.94	18.04
01022500	Narraguagus River at Cherryfield, ME	573.60	1200.7	5.9	38.2	97.8	3.67	22.09
01030500	Mattawamkeag River near Mattawamkeag, ME	3676.17	1081.9	4.8	37.2	171.8	3.21	19.26
01031500	Piscataquis River near Dover-Foxcroft, ME	769.05	1180.0	4.1	39.3	299.4	6.49	21.47
01047000	Carrabassett River near North Anson, ME	909.10	1188.6	4.0	39.4	374.1	11.53	25.33
01052500	Diamond River near Wentworth Location, NH	383.82	1192.9	2.7	39.3	641.1	15.41	20.29
01055000	Swift River near Roxbury, ME	250.64	1351.5	3.8	39.4	565.0	16.12	29.75
01057000	Little Androscoggin River near South Paris, ME	190.92	1083.3	5.9	36.2	281.8	11.67	19.18
01073000	Oyster River near Durham, NH	31.30	1122.0	8.2	30.4	58.0	2.97	15.02
01078000	Smith River near Bristol, NH	222.46	1124.4	6.2	33.3	359.6	11.39	28.31
01134500	Moose River at Victory, VT	195.13	1193.3	4.5	34.9	542.3	12.56	14.72
01137500	Ammonoosuc River at Bethlehem Junction, NH	228.55	1392.0	4.1	43.3	754.5	19.20	40.51
01139000	Wells River at Wells River, VT	246.33	1096.0	5.0	33.0	415.6	11.25	15.15
01144000	White River at West Hartford, VT	1790.24	1184.1	5.5	35.3	446.5	17.90	15.74
01350000	Schoharie Creek at Prattsville, NY	612.51	1190.4	5.7	33.4	652.0	18.35	12.66
01365000	Rondout creek near Lowes Corners, NY	99.57	1379.8	5.9	30.2	628.8	24.10	3.58
01413500	East BR Delaware R at Margaretville, NY	424.10	1147.5	5.9	31.2	666.3	20.52	4.64
01414500	Mill Brook near Dunraven, NY	64.45	1174.6	5.8	33.8	715.4	22.62	4.47
01415000	Tremper Kill near Andes, NY	85.63	1128.6	6.5	28.4	609.9	18.34	2.77
01423000	West Branch Delaware River at Walton, NY	859.68	1120.1	6.6	28.7	591.6	15.69	2.24
01439500	Bush Kill at Shoemakers, PA	305.88	1216.6	8.0	26.6	387.0	6.03	0.28
01440000	Flat Brook near Flat Brookville, NJ	167.72	1200.9	8.9	23.7	274.4	9.35	1.37
01485500	Nassawango Creek near Snow Hill, MD	141.54	1163.8	13.4	8.9	13.5	0.06	11.21
01487000	Nanticoke River near Bridgeville, DE	187.41	1148.8	13.1	10.8	14.2	0.05	2.72
01491000	Choptank River near Greenboro, MD	292.04	1134.3	13.1	11.1	16.9	0.10	0.87
01532000	Towanda Creek near Montoeton, PA	553.94	999.5	7.7	25.6	487.1	11.23	3.43
01539000	Fishing Creek near Bloomsburg, PA	701.78	1171.4	8.3	23.5	401.7	12.73	8.15
01543000	Driftwood Br Sinnemahoning Cr at Sterling Run, PA	705.50	1103.2	7.8	26.1	529.9	20.49	4.25
01543500	Sinnemahoning Creek at Sinnemahoning, PA	1778.26	1096.0	7.9	25.4	521.9	18.29	6.30
01544500	Kettle Creek at Cross Fork, PA	355.06	1063.4	7.2	26.4	576.2	21.15	1.55
01548500	Pine Creek at Cedar Run, PA	1557.05	973.6	7.0	26.6	571.2	17.00	2.01
01549500	Blockhouse Creek near English Center, PA	97.49	1027.0	7.4	27.0	538.2	17.53	3.73

Table 1 (continued)

USGS_ID	Name and State at gage location	AR (km ²)	P (mm)	T (°C)	SNO (%)	ELV (m)	SLP (%)	LUE (%)
01550000	Lycoming Creek near Trout Run, PA	452.68	1022.7	7.5	26.2	525.8	16.55	2.53
01552500	Muncy Creek near Sonestown, PA	60.64	1228.5	6.8	27.9	562.6	15.67	3.47
01557500	Bald Eagle Creek at Tyrone, PA	115.30	1081.0	8.4	23.1	496.6	14.59	3.93
01564500	Aughwick Creek near Three Springs, PA	445.56	1030.5	10.3	19.2	361.8	13.10	4.59
01568000	Sherman Creek at Shermans Dale, PA	534.39	1093.3	10.6	18.0	304.7	13.36	1.95
01580000	Deer Creek at Rocks, MD	244.37	1146.1	11.2	15.5	196.1	6.26	0.63
01583500	Western Run at Western Run, MD	155.85	1146.8	11.6	13.9	172.2	5.78	0.77
01596500	Savage River near Barton, MD	124.65	1127.0	8.3	23.1	754.9	16.73	15.27
01606500	SO Branch Potomac River near Petersburg, WV	1684.55	1050.9	9.3	19.5	838.0	24.43	6.36
01620500	North River near Stokesville, VA	44.74	1151.4	9.0	19.0	961.3	25.79	14.46
01632000	N F Shenandoah River at Cootes Store, VA	543.36	1000.2	10.4	14.7	600.0	21.16	4.91
01634500	Cedar Creek near Winchester, VA	263.98	1019.7	10.9	14.5	418.4	14.88	4.85
01639500	Big Pipe Creek at Bruceville, MD	267.18	1102.3	11.3	15.4	197.8	5.31	0.62
01644000	Goose Creek near Leesburg, VA	859.17	1082.7	12.2	12.4	185.5	6.67	3.28
01664000	Rappahannock River at Remington, VA	1605.10	1135.9	11.9	11.8	237.2	9.97	4.42
01666500	Robinson River near Locust Dale, VA	463.15	1171.3	12.2	11.1	265.6	10.84	4.58
01667500	Rapidan River near Culpeper, VA	1209.75	1185.5	12.2	10.6	263.4	10.43	5.07
02013000	Dunlap Creek near Covington, VA	424.78	1053.9	10.8	14.4	701.6	21.30	2.30
02016000	Cowpasture River near Clifton Forge, VA	1194.55	1063.9	10.7	16.0	661.1	17.97	12.48
02017500	Johns Creek at New Castle, VA	276.15	1098.4	10.4	12.7	700.5	17.25	3.13
02018000	Craig Creek at Parr, VA	852.34	1089.2	11.0	11.3	635.0	18.12	4.51
02027000	Tye River near Lovingston, VA	240.77	1315.0	11.2	12.8	548.4	22.11	4.03
02027500	Piney River at Piney River, VA	123.34	1399.0	11.0	12.3	640.1	25.64	2.46
02028500	Rockfish River near Greenfield, VA	245.45	1228.4	11.8	11.1	401.8	18.48	3.10
02046000	Stony Creek near Dinwiddie, VA	288.52	1157.1	13.8	7.0	88.9	2.28	33.23
02051500	Meherrin River near Lawrenceville, VA	1428.71	1155.5	13.8	6.8	125.6	3.17	22.26
02059500	Goose Creek near Huddleston, VA	485.41	1149.1	13.1	8.2	333.3	10.47	6.72
02064000	Falling River near Naruna, VA	427.77	1142.2	13.1	9.0	215.0	4.67	12.93
02065500	Cub Creek at Phenix, VA	252.58	1151.6	13.2	8.4	186.1	4.43	11.42
02070000	North Mayo River near Spencer, VA	270.61	1247.4	13.0	8.4	336.6	8.00	11.47
02074500	Sandy River near Danville, VA	288.53	1173.0	13.5	7.3	248.4	4.62	12.64
02108000	Northeast Cape Fear River near Chinquapin, NC	1569.49	1305.5	16.1	2.0	33.2	0.66	15.56
02110500	Waccamaw River near Longs, SC	2908.32	1333.0	16.6	1.0	18.9	0.17	27.00
02177000	Chattooga River near Clayton, GA	526.77	1944.0	12.5	5.8	757.4	20.12	20.61

Table 1 (continued)

USGS_ID	Name and State at gage location	AR (km ²)	P (mm)	T (°C)	SNO (%)	ELV (m)	SLP (%)	LUE (%)
02245500	South Fork Black Creek near Penney Farms, FL	348.43	1331.3	20.2	0.0	35.8	0.85	48.25
02246000	North Fork Black Creek near Middleburg, FL	451.06	1339.8	19.9	0.0	32.6	0.56	43.97
02296500	Charlie Creek near Gardner, FL	886.40	1288.5	22.5	0.0	26.2	0.12	0.85
02297310	Horse Creek near Arcadia, FL	528.38	1313.3	22.5	0.0	23.4	0.07	0.00
02314500	Suwannee River at US 441 at Fargo, GA	3322.15	1303.1	19.3	0.0	40.8	0.01	25.87
02315500	Suwannee River at White Springs, FL	6136.26	1317.0	19.4	0.0	41.1	0.11	30.08
02324000	Steinhatchee River near Cross City, FL	791.02	1435.7	20.0	0.0	21.5	0.74	25.20
02326000	Econfina River near Perry, FL	556.41	1426.0	20.0	0.0	23.7	0.22	25.69
02361000	Choctawhatchee River near Newton, AL.	1781.61	1422.3	18.3	0.0	114.0	3.84	22.42
02371500	Conecuh River at Brantley, AL	1292.79	1415.2	17.8	0.4	128.5	3.40	26.66
02374500	Murder Creek near Evergreen, AL	445.72	1587.4	18.1	0.0	109.0	3.39	38.40
02467500	Sucarnoochee River at Livingston, AL	1574.12	1447.8	17.2	1.0	91.9	3.24	20.17
02472000	Leaf River near Collins, MS	1927.13	1520.9	17.7	0.8	118.1	2.51	31.11
02472500	Bouie Creek near Hattiesburg, MS	789.94	1542.7	18.2	0.1	110.2	2.37	31.84
03015500	Brokenstraw Creek at Youngsville, PA	784.85	1154.1	7.9	24.7	486.0	7.41	6.56
03049000	Buffalo Creek near Freeport, PA	357.15	1062.3	9.7	20.2	380.1	9.25	0.48
03066000	Blackwater River at Davis, WV	222.79	1415.1	8.0	25.4	1023.0	8.84	10.50
03069500	Cheat River near Parsons, WV	1856.85	1391.4	8.3	24.5	995.2	18.75	12.65
03070500	Big Sandy Creek at Rockville, WV	517.38	1265.9	8.9	22.5	601.3	10.57	2.15
03078000	Casselman River at Grantsville, MD	161.48	1205.9	8.2	25.3	786.9	8.58	9.34
03140000	Mill Creek near Coshocton, OH	70.35	982.0	9.9	18.0	307.4	8.18	0.41
03144000	Wakatomika Creek near Frazeysburg, OH	363.41	1022.3	9.9	18.1	304.0	7.14	0.96
03164000	New River near Galax, VA	2952.74	1273.4	10.4	13.3	955.5	16.25	5.14
03165000	Chestnut Creek at Galax, VA	102.00	1268.2	11.3	11.7	809.5	9.57	6.26
03170000	Little River at Graysontown, VA	794.64	1148.9	10.6	12.3	761.2	11.04	5.65
03173000	Walker Creek at Bane, VA	773.32	1035.1	10.6	13.5	787.6	16.49	3.92
03180500	Greenbrier River at Durbin, WV	345.06	1299.3	8.1	25.3	1056.2	20.35	5.31
03182500	Greenbrier River at Buckeye, WV	1364.97	1232.6	8.6	23.3	945.0	19.64	6.06
03186500	Williams River at Dyer, WV	329.68	1504.5	8.7	24.3	1074.7	22.41	6.56
03237500	Ohio Brush Creek near West Union, OH	1003.21	1097.1	11.7	13.5	273.3	5.11	4.13
03238500	White Oak Creek near Georgetown, OH	568.50	1108.4	11.2	15.0	299.8	1.27	0.20
03281500	South Fork Kentucky River at Booneville, KY	1838.22	1264.7	12.5	10.7	366.3	22.24	0.17
03285000	Dix River near Danville, KY	822.34	1257.2	13.0	10.5	315.1	5.96	1.37
03346000	North Fork Embarras River near Oblong, IL	814.69	1067.2	11.9	14.1	184.1	0.91	0.00

Table 1 (continued)

USGS_ID	Name and State at gage location	AR (km ²)	P (mm)	T (°C)	SNO (%)	ELV (m)	SLP (%)	LUE (%)
03364500	Clifty Creek at Hartsville, IN	237.09	1096.2	10.9	15.6	285.6	0.86	0.01
03366500	Muscatatuck River near Deputy, IN	755.22	1147.6	11.9	14.1	246.7	1.84	0.70
03465500	Nolichucky River at Embreeville, TN	2081.60	1335.9	11.1	12.1	983.9	25.27	3.35
03471500	S F Holston River at Riverside near Chilhowie, VA	198.16	1230.8	10.5	14.5	910.6	17.87	0.74
03473000	S F Holston River near Damascus, VA	784.81	1246.3	10.6	13.8	899.3	18.22	2.27
03488000	N F Holston River near Saltville, VA	578.21	1171.5	10.5	14.1	806.3	20.00	2.35
03574500	Paint Rock River near Woodville, AL	813.80	1512.9	14.4	4.9	381.0	16.88	1.07
03604000	Buffalo River near Flat Woods, TN	1163.03	1498.4	14.0	5.8	265.0	5.36	5.14
04027000	Bad River near Odanah, WI	1619.85	860.0	4.4	24.0	400.7	3.45	5.30
04040500	Sturgeon River near Sidnaw, MI	419.83	899.8	4.2	30.4	491.2	2.21	6.27
04056500	Manistique River near Manistique, MI	2945.89	816.4	5.0	31.1	236.5	0.59	11.65
04122500	Pere Marquette River at Scottville, MI	1769.19	868.7	7.1	26.1	271.0	2.39	12.40
04124000	Manistee River near Sherman, MI	2243.63	824.1	5.9	27.2	355.3	2.24	12.90
04127997	Sturgeon River at Wolverine, MI	487.16	848.0	5.9	29.3	332.5	4.06	5.45
04185000	Tiffin River at Stryker, OH	1064.00	906.9	9.0	21.2	262.3	0.88	0.08
04213000	Conneaut Creek at Conneaut, OH	455.30	1099.7	8.5	23.0	306.7	2.07	1.43
04233000	Cayuga Inlet near Ithaca, NY	91.90	987.9	7.4	25.8	370.1	11.41	2.92
04256000	Independence River at Donnattsburg, NY	232.45	1242.0	4.9	37.2	497.3	5.14	12.74
05056000	Sheyenne River near Warwick, ND	4862.02	448.5	4.3	17.3	505.9	1.41	0.01
05057000	Sheyenne River near Cooperstown, ND	7582.46	463.3	4.2	17.4	481.9	1.32	0.04
05120500	Wintering River near Karlsruhe, ND	1509.83	441.1	4.6	17.0	509.6	1.16	0.01
05131500	Little Fork River at Littlefork, MN	4383.51	693.3	3.2	20.6	407.5	1.13	6.55
05291000	Whetstone River near Big Stone City, SD	1046.78	576.9	6.2	16.0	420.4	1.36	0.00
05362000	Jump River at Sheldon, WI	1477.29	826.4	4.4	20.3	450.0	1.35	0.62
05393500	Spirit River at Spirit Falls, WI	220.44	822.8	4.2	21.9	497.1	1.85	1.50
05399500	Big Eau Pleine River at Stratford, WI	576.30	833.8	5.2	19.8	416.8	1.35	0.26
05408000	Kickapoo River at La Farge, WI	689.33	881.8	7.0	17.1	355.1	10.91	1.05
05412500	Turkey River at Garber, IA	3858.21	884.6	7.7	17.2	337.1	3.71	0.11
05413500	Grant River at Burton, WI	695.33	866.0	7.9	16.7	299.3	6.28	0.11
05414000	Platte River near Rockville, WI	370.79	883.9	8.0	16.9	304.8	6.82	0.09
05444000	Elkhorn Creek near Penrose, IL	376.35	924.6	8.6	18.0	254.2	2.36	0.01
05454000	Rapid Creek near Iowa City, IA	65.38	920.2	9.5	14.7	241.8	2.82	0.02
05466500	Edwards River near New Boston, IL	1151.57	925.9	9.9	15.7	225.1	2.02	0.00
05489000	Cedar Creek near Bussey, IA	964.76	927.2	10.0	12.8	275.3	4.50	0.08

Table 1 (continued)

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05495000	Fox River at Wayland, MO	1027.55	953.2	10.7	12.7	231.6	2.64	0.18
05495500	Bear Creek near Marcelline, IL	905.56	964.7	10.9	12.8	200.2	1.63	0.01
05500000	South Fabius River near Taylor, MO	1567.00	958.4	11.3	12.2	226.6	2.42	0.06
05501000	North River at Palmyra, MO	922.83	977.5	11.8	11.5	215.4	2.34	0.11
05525500	Sugar Creek at Milford, IL	1158.76	963.4	10.3	17.0	217.0	0.29	0.00
05556500	Big Bureau Creek at Princeton, IL	505.09	948.9	9.1	17.3	247.4	0.92	0.01
05584500	La Moine River at Colmar, IL	1695.67	960.6	10.4	14.0	204.2	1.30	0.01
05585000	La Moine River at Ripley, IL	3354.61	959.3	10.6	13.8	197.7	1.67	0.01
06191500	Yellowstone River at Corwin Springs, MT	6783.59	806.1	0.7	61.7	2542.6	21.22	40.23
06289000	Little Bighorn River at State Line nr Wyola, MT	471.27	674.8	1.8	52.7	2401.1	26.72	67.91
06311000	North Fork Powder River near Hazelton, WY	61.23	646.5	1.3	51.1	2741.7	10.38	55.11
06339500	Knife River near Golden Valley, ND	3171.46	421.8	5.7	16.1	690.5	3.42	0.03
06350000	Cannonball River at Regent, ND	1501.05	410.8	5.8	16.1	824.1	1.87	0.06
06352000	Cedar Creek near Haynes, ND	1441.83	410.0	5.8	14.9	847.2	1.70	0.03
06354000	Cannonball River at Breien, ND	10598.19	421.9	5.8	15.7	746.5	2.44	0.02
06406000	Battle Creek at Hermosa, SD	436.34	535.3	7.9	13.0	1385.0	13.89	65.63
06409000	Castle Creek Above Deerfield Res near Hill City, SD	205.33	630.4	2.8	30.2	2028.0	12.07	90.08
06431500	Spearfish Creek at Spearfish, SD	427.10	683.4	5.2	28.8	1797.6	15.86	87.33
06447000	White River near Kadoka, SD	12849.71	455.6	8.6	12.0	987.8	4.56	6.72
06450500	Little White River Below White River, SD	4111.27	494.8	8.5	11.8	888.6	3.18	0.24
06452000	White River near Oacoma, SD	25791.04	480.1	8.7	12.0	859.7	4.01	3.47
06464500	Keya Paha River at Wewela, SD	2914.04	542.9	8.4	11.7	762.4	1.85	0.01
06601000	Omaha Creek at Homer, NE	450.20	727.3	9.2	12.5	410.4	5.34	0.00
06775500	Middle Loup River at Dunning, NE	5459.76	509.7	8.5	11.5	1079.4	4.71	0.07
06784000	South Loup River at ST. Michael, NE	6019.75	599.9	9.1	10.4	787.9	3.55	0.05
06814000	Turkey Creek near Seneca, KS	713.83	838.9	11.8	8.9	396.4	3.30	0.07
06889500	Soldier Creek near Topeka, KS	748.58	925.8	12.2	8.0	340.9	3.23	0.00
06892000	Stranger Creek near Tonganoxie, KS	1092.72	966.1	12.3	8.0	314.6	3.32	0.00
06917000	L Osage River at Fulton, KS	765.78	1082.6	13.2	6.7	299.5	2.15	0.00
06919500	Cedar Creek near Pleasant View, MO	1069.42	1130.4	13.1	7.6	288.8	2.46	1.01
07014500	Meramec River near Sullivan, MO	3845.50	1113.3	12.9	10.2	320.0	5.99	3.47
07056000	Buffalo River near St. Joe, AR	2149.36	1237.3	13.6	6.5	446.4	16.92	4.66
07057500	North Fork River near Tecumseh, MO	1456.44	1131.9	13.3	8.9	327.0	6.33	4.44
07066000	Jacks Fork at Eminence, MO	1053.50	1158.1	13.3	9.1	337.8	7.14	3.31

Table 1 (continued)

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07067000	Current River at Van Buren, MO	4349.01	1161.9	13.2	9.5	318.5	8.18	5.56
07068000	Current River at Doniphan, MO	5318.59	1172.0	13.2	9.5	297.3	8.22	5.53
07071500	Eleven Point River near Bardley, MO	2023.77	1176.6	13.2	9.0	289.9	5.54	4.44
07083000	Halfmoon Creek near Malta, CO.	60.76	873.9	-1.6	66.5	3646.0	41.81	26.45
07167500	Otter Creek at Climax, KS	319.62	943.5	13.8	6.0	380.4	3.27	0.00
07180500	Cedar Creek Near Cedar Point, KS	275.51	863.6	13.0	7.0	435.3	1.73	0.00
07197000	Baron Fork at Eldon, OK	808.45	1256.9	14.9	4.8	346.3	6.54	1.45
07208500	Rayado Creek near Cimarron, NM	159.22	659.1	4.5	21.8	2893.1	18.27	80.26
07291000	Homochitto River at Eddiceton, MS	479.30	1550.2	18.2	0.0	123.8	2.76	32.02
07373000	Big Creek at Pollock, LA	131.18	1532.3	18.6	0.0	56.3	2.16	63.12
07376000	Tickfaw River at Holden, LA	651.61	1676.1	18.7	0.0	71.6	1.49	31.59
07376500	Natalbany River at Baptist, LA	205.19	1689.9	19.1	0.0	39.5	0.72	19.29
07377000	Amite River near Darlington, LA	1525.31	1648.0	18.3	0.0	106.8	1.77	32.47
08013000	Calcasieu River near Glenmora, LA	1293.69	1534.7	18.6	0.0	75.5	1.47	47.10
08041500	Village Creek near Kountze, TX	2228.48	1419.7	19.0	0.0	64.2	1.63	28.94
08070000	E Fork San Jacinto River near Cleveland, TX	841.06	1287.7	19.1	0.0	88.7	1.76	36.56
08164000	Lavaca River near Edna, TX	2124.00	1038.4	20.7	0.0	76.1	1.18	6.53
08189500	Mission River at Refugio, TX	1808.29	853.6	21.3	0.0	69.2	0.93	0.45
08190000	Nueces River at Laguna, TX	1961.43	721.2	18.4	0.0	587.9	9.82	28.61
08195000	Frio River at Concan, TX	1028.29	817.7	17.9	0.0	599.0	11.89	41.94
08198000	Sabinal River near Sabinal, TX	550.60	877.4	18.3	0.0	526.7	11.53	46.50
08267500	Rio Hondo near Valdez, NM	96.26	724.4	2.9	38.9	3166.5	44.39	72.55
08378500	Pecos River near Pecos, NM	444.96	860.8	2.5	32.7	3073.0	26.51	78.65
08380500	Gallinas Creek near Montezuma, NM	198.06	685.7	5.8	19.2	2652.5	24.96	88.32
09430500	Gila River near Gila, NM	4804.93	517.4	9.7	13.0	2270.8	16.52	71.02
09480000	Santa Cruz River near Lochiel, AZ	213.38	500.6	14.3	2.9	1550.7	6.15	11.85
10109001	Com F Logan River Above ST D & LO HP and SM C N LO, UT	555.60	936.4	4.6	60.9	2300.4	27.52	34.02
10234500	Beaver River near Beaver, UT	236.42	759.3	3.9	56.6	2819.1	24.22	63.10
10242000	Coal Creek near Cedar City, UT	208.69	664.6	5.8	54.5	2606.5	27.14	46.21
10259000	Andreas Creek near Palm Springs, CA	22.46	486.5	14.6	3.7	1382.5	46.02	8.44
10263500	Big Rock Creek near Valyermo, CA	59.46	675.6	11.7	24.1	1927.4	44.52	59.20
10316500	Lamoille Creek near Lamoille, NV	64.78	770.0	5.0	55.4	2732.8	51.94	17.67
10329500	Martin Creek near Paradise Valley, NV	454.52	545.5	7.2	41.9	1893.5	16.64	1.71
10396000	Donner Und Blitzen River near Frenchglen, OR	528.89	696.3	6.6	45.2	1890.5	13.74	14.31

Table 1 (continued)

USGS_ID	Name and State at gage location	AR (km ²)	P (mm)	T (°C)	SNO (%)	ELV (m)	SLP (%)	LUE (%)
11098000	Arroyo Seco near Pasadena, CA	41.57	788.5	15.1	4.0	1096.0	42.75	21.69
11124500	Santa Cruz Creek near Santa Ynez, CA	191.52	831.0	12.0	4.5	1023.6	33.54	21.79
11143000	Big Sur River near Big Sur, CA	120.61	1162.6	12.5	3.4	779.0	43.59	53.55
11230500	Bear Creek near Lake Thomas at Edison, CA	135.53	1149.5	0.4	88.4	3244.6	35.05	26.43
11237500	Pitman Creek BL Tamarack Creek, CA	59.82	1175.4	5.7	60.2	2437.3	15.32	86.99
11264500	Merced River at Happy Isles Bridge near Yosemite, CA	467.98	1198.8	6.1	68.5	2746.1	30.00	42.02
11266500	Merced River at Pohono Bridge near Yosemite, CA	833.08	1213.0	7.0	60.1	2578.2	29.98	51.52
11315000	Cole Creek near Salt Springs Dam, CA	54.01	1410.9	7.1	50.0	2261.6	19.39	55.16
11381500	Mill Creek near Los Molinos, CA	337.63	1438.9	10.3	28.2	1204.7	26.95	43.53
11383500	Deer Creek near Vina, CA	539.78	1483.5	9.9	32.5	1278.9	23.05	66.46
11449500	Kelsey Creek near Kelseyville, CA	95.33	1484.7	14.3	1.3	804.1	19.96	30.33
11468000	Navarro River near Navarro, CA	785.89	1186.5	13.8	1.3	342.8	26.54	61.96
11478500	Van Duzen River near Bridgeville, CA	572.38	1868.8	10.5	24.9	923.0	25.79	53.31
11522500	Salmon River at Somes Bar, CA	1943.12	1574.3	10.0	28.8	1298.0	44.09	75.99
11532500	Smith River near Crescent City, CA	1577.96	2826.4	11.0	8.0	772.0	36.92	66.81
12020000	Chehalis River near Doty, WA	294.22	2117.9	9.7	21.1	393.0	26.27	62.95
12035000	Satsop River near Satsop, WA	769.90	3051.7	9.7	15.0	223.8	16.08	50.09
12048000	Dungeness River near Sequim, WA	405.01	1783.9	5.2	50.9	1265.7	46.16	70.47
12054000	Duckabush River near Brinnon, WA	171.68	2482.5	5.4	39.9	1073.8	54.23	74.55
12056500	NF Skokomish River below Staircase Rpds near Hoodspport, WA	146.97	3172.8	6.2	36.3	990.6	53.06	81.93
12082500	Nisqually River near National, WA	350.00	2359.7	5.2	48.6	1182.5	33.88	65.42
12115000	Cedar River near Cedar Falls, WA	102.80	2697.9	4.9	53.4	1010.3	38.29	72.91
12115500	Rex River near Cedar Falls, WA	34.72	2684.4	6.3	46.9	993.5	31.30	73.09
12167000	NF Stillaguamish River near Arlington, WA	683.75	3036.8	8.5	35.9	655.4	32.57	68.32
12175500	Thunder Creek near Newhalem, WA	273.82	2325.6	5.1	69.6	1567.5	58.76	44.42
12186000	Sauk River above Whitechuck River near Darrington, WA	398.44	3139.7	5.5	59.6	1176.0	52.85	72.38
12189500	Sauk River near Sauk, WA	1855.32	2765.8	6.2	57.3	1150.9	47.29	70.86
12358500	Middle Fork Flathead River nr West Glacier, MT	2939.19	1270.7	2.6	59.4	1723.7	40.45	68.01
12411000	NF Coeur D Alene River above Shoshone Creek near Prichard, ID	867.48	1226.4	5.7	46.8	1202.5	33.12	94.67
12413000	NF Coeur D Alene River at Enaville, ID	2325.17	1205.8	6.3	47.0	1167.8	34.76	93.69
12414500	ST Joe River at CALDER, ID	2678.97	1276.7	5.7	51.2	1381.3	35.12	72.89
12451000	Stehekin River at Stehekin, WA	830.60	1731.7	5.2	69.3	1534.0	55.79	47.48
12488500	American River near Nile, WA	205.17	1723.4	3.9	60.3	1465.8	39.16	81.62
13083000	Trapper Creek near Oakley, ID	133.18	513.9	6.3	34.3	1942.5	22.92	10.33

Table 1 (continued)

USGS_ID	Name and State at gage location	AR (km ²)	P (mm)	T (°C)	SNO (%)	ELV (m)	SLP (%)	LUE (%)
13185000	Boise River near Twin Springs, ID	2154.39	927.7	4.6	62.6	1955.1	36.49	43.91
13235000	SF Payette River at Lowman, ID	1163.23	1011.9	3.6	63.1	2079.0	39.89	52.49
13313000	Johnson Creek at Yellow Pine, ID	561.94	1119.7	2.5	72.3	2180.4	25.04	79.38
13337000	Lochsa River near Lowell, ID	3053.42	1298.4	4.0	55.2	1584.1	33.19	86.12
14020000	Umatilla River above Meacham Creek near Gibbon, OR	341.43	1057.8	7.1	43.7	1209.3	32.15	73.37
14137000	SANDY River near MARMOT, OR	674.24	2292.3	7.1	44.2	1006.4	30.36	82.99
14141500	Little Sandy River near Bull Run, OR	59.87	2731.8	9.5	28.8	724.7	18.22	83.05
14154500	Row River Above Pitcher Creek near Dorena, OR	546.81	1656.8	9.8	12.5	857.5	33.33	84.12
14158500	Mckenzie River at Outlet of Clear Lake, OR	237.08	2184.9	6.9	46.2	1253.9	16.68	80.99
14166500	Long Tom River near Noti, OR	226.52	1538.0	11.5	8.9	253.8	19.14	44.12
14182500	Little North Santiam River near Mehama, OR	286.85	2242.5	8.7	22.8	818.3	35.86	83.29
14185000	South Santiam River Below Cascadia, OR	458.18	2140.2	8.8	28.8	889.5	30.59	82.32
14222500	East Fork Lewis River near Heisson, WA	323.89	3341.7	9.6	27.7	573.3	25.13	58.49
14301000	Nehalem River near Foss, OR	1743.54	2427.0	9.4	20.9	358.2	19.50	41.15
14301500	Wilson River near Tillamook, OR	417.57	3203.7	9.2	22.7	509.1	35.36	51.91
14305500	Siletz River at Siletz, OR	526.33	2836.1	9.6	13.0	400.9	26.33	40.41
14306500	Alsea River near Tidewater, OR	857.16	2108.8	11.6	6.0	320.6	27.43	53.42
14325000	South Fork Coquille River at Powers, OR	443.07	2272.7	11.4	6.0	651.9	28.40	70.08