

watershed_characteristics

AGENCY	STAD	STATION_NM	LAT
USGS	10396000	DONNER UND BLITZEN RIVER NR FRENCHGLEN OR	42.7908333
USGS	12043300	HOKO RIVER NEAR SEKIU, WA	48.24146416
USGS	12048000	DUNGENESS RIVER NEAR SEQUIM, WA	48.0142578
USGS	12054000	DUCKABUSH RIVER NEAR BRINNON, WA	47.68398059
USGS	12056500	NF SKOKOMISH R BL STAIRCASE RPDS NR HOODSPORT, WA	47.51425666
USGS	12060500	SOUTH FORK SKOKOMISH RIVER NEAR UNION, WA	47.34036949
USGS	12079000	DESCHUTES RIVER NEAR RAINIER, WA	46.85204488
USGS	12082500	NISQUALLY RIVER NEAR NATIONAL, WA	46.75260766
USGS	12092000	PUYALLUP RIVER NEAR ELECTRON, WA	46.9037164
USGS	12094000	CARBON RIVER NEAR FAIRFAX, WA	47.02788105
USGS	12095000	SOUTH PRAIRIE CREEK AT SOUTH PRAIRIE, WA	47.13954628
USGS	12096500	PUYALLUP RIVER AT ALDERTON, WA	47.18510115
USGS	12097500	GREENWATER RIVER AT GREENWATER, WA	47.1534409
USGS	12097850	WHITE RIVER BELOW CLEARWATER RIVER NR BUCKLEY, WA	47.1467703
USGS	12108500	NEWAUKUM CREEK NEAR BLACK DIAMOND, WA	47.2756564
USGS	12114500	CEDAR RIVER BELOW BEAR CREEK NEAR CEDAR FALLS, WA	47.34205417
USGS	12141300	MIDDLE FORK SNOQUALMIE RIVER NEAR TANNER, WA	47.48593975
USGS	12142000	NF SNOQUALMIE RIVER NEAR SNOQUALMIE FALLS, WA	47.61482536
USGS	12143400	SF SNOQUALMIE RIVER AB ALICE CREEK NEAR GARCIA, WA	47.4151086
USGS	12143600	SF SNOQUALMIE RIVER AT EDGEWICK, WA	47.45260396
USGS	12144000	SF SNOQUALMIE RIVER AT NORTH BEND, WA	47.49288017
USGS	12145500	RAGING RIVER NEAR FALL CITY, WA	47.53982388
USGS	12167000	NF STILLAGUAMISH RIVER NEAR ARLINGTON, WA	48.26149178
USGS	12179900	BACON CREEK BELOW OAKES CREEK NEAR MARBLEMOUNT,	48.6045662
USGS	12186000	SAUK RIVER AB WHITE CHUCK RIVER NR DARRINGTON, WA	48.16872009
USGS	12189500	SAUK RIVER NEAR SAUK, WA	48.42455859
USGS	12201500	SAMISH RIVER NEAR BURLINGTON, WA	48.54594127
USGS	12209490	SKOOKUM CREEK ABOVE DIVERSION NEAR WICKERSHAM, WA	48.6715016
USGS	12210000	SF NOOKSACK RIVER AT SAXON BRIDGE, WA	48.67761256
USGS	12210700	NOOKSACK RIVER AT NORTH CEDARVILLE, WA	48.84178209
USGS	12323670	Mill Creek nr Anaconda, MT	46.0829722
USGS	12354000	St. Regis River near St. Regis, MT	47.2967111
USGS	12358500	M F Flathead River near West Glacier MT	48.49551667
USGS	12374250	Mill Cr ab Bassoo Cr nr Niarada MT	47.82982778
USGS	12390700	Prospect Creek at Thompson Falls MT	47.5860611
USGS	12392155	LIGHTNING CREEK AT CLARK FORK ID	48.15166667
USGS	12448500	METHOW RIVER AT WINTHROP, WA	48.4734787
USGS	12451000	STEHEKIN RIVER AT STEHEKIN, WA	48.32958017
USGS	12452800	ENTIAT RIVER NEAR ARDENVOIR, WA	47.81846178
USGS	12458000	ICICLE CREEK ABOVE SNOW CREEK NEAR LEAVENWORTH, WA	47.5409539
USGS	12488500	AMERICAN RIVER NEAR NILE, WA	46.97761606
USGS	13010065	SNAKE RIVER AB JACKSON LAKE AT FLAGG RANCH WY	44.09888889
USGS	13162225	JARBIDGE RV BLW JARBIDGE, NV	41.8904614
USGS	13185000	BOISE RIVER NR TWIN SPRINGS ID	43.66805556
USGS	13235000	SOUTH FORK PAYETTE RIVER AT LOWMAN, ID	44.08527778
USGS	13237920	MIDDLE FORK PAYETTE RIVER NR CROUCH ID	44.1086111
USGS	13296500	SALMON RIVER BL YANKEE FORK NR CLAYTON ID	44.2683333
USGS	13309220	MF SALMON RIVER AT MF LODGE NR YELLOW PINE ID	44.7215194

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USGS	13313000 JOHNSON CREEK AT YELLOW PINE ID	44.96166667
USGS	13331500 MINAM RIVER AT MINAM, OR	45.6198669
USGS	13334450 ASOTIN CREEK BELOW CONFLUENCE NEAR ASOTIN, WA	46.2736111
USGS	13337000 LOCHSA RIVER NR LOWELL ID	46.1508333
USGS	13338500 SF CLEARWATER RIVER AT STITES ID	46.08638889
USGS	13340600 NF CLEARWATER RIVER NR CANYON RANGER STATION ID	46.84055556
USGS	14020000 UMATILLA RIVER ABOVE MEACHAM CREEK, NR GIBBON, OR	45.71957668
USGS	14020300 MEACHAM CREEK AT GIBBON, OR	45.6887429
USGS	14092750 SHITIKE CRK AT PETERS PASTURE, NR WARM SPRINGS, OR	44.75039516
USGS	14096850 BEAVER CREEK BELOW QUARTZ CREEK, NR SIMNASHO, OR	44.9587272
USGS	14107000 KLUCKITAT RIVER ABOVE WEST FORK NEAR GLENWOOD, WA	46.2648437
USGS	14137000 SANDY RIVER NEAR MARMOT, OR	45.3995642
USGS	14141500 LITTLE SANDY RIVER NEAR BULL RUN, OR	45.41539777
USGS	14150800 WINBERRY CREEK NEAR LOWELL, OR	43.9142924
USGS	14154500 ROW RIVER ABOVE PITCHER CREEK, NEAR DORENA, OR	43.7359565
USGS	14158500 MCKENZIE RIVER AT OUTLET OF CLEAR LAKE, OR	44.3609545
USGS	14159200 SO FK MCKENZIE RIVER ABV COUGAR LAKE NR RAINBOW OR	44.047067
USGS	14161500 LOOKOUT CREEK NEAR BLUE RIVER, OR	44.2095708
USGS	14166500 LONG TOM RIVER NEAR NOTI, OR	44.04984478
USGS	14179000 BREITENBUSH R ABV FRENCH CR NR DETROIT, OR.	44.75262179
USGS	14180300 BLOWOUT CREEK NEAR DETROIT, OR	44.65289999
USGS	14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR	44.7915108
USGS	14185000 SOUTH SANTIAM RIVER BELOW CASCADIA, OR	44.39179225
USGS	14185900 QUARTZVILLE CREEK NEAR CASCADIA, OR	44.54012357
USGS	14187000 WILEY CREEK NEAR FOSTER, OR	44.37234769
USGS	14216000 LEWIS RIVER ABOVE MUDDY RIVER NEAR COUGAR, WA	46.06039127
USGS	14216500 MUDDY RIVER BELOW CLEAR CREEK NEAR COUGAR, WA	46.0756688
USGS	14219000 CANYON CREEK NEAR AMBOY, WA	45.9398339
USGS	14222500 EAST FORK LEWIS RIVER NEAR HEISSON, WA	45.8367809
USGS	14231000 COWLITZ RIVER AT RANDLE, WA	46.5319444
USGS	14236200 TILTON RIVER AB BEAR CANYON CREEK NEAR CINEBAR, WA	46.5953843
USGS	14308990 COW CREEK ABV GALESVILLE RES, NR AZALEA, OR.	42.82317665
USGS	14309500 WEST FORK COW CREEK NEAR GLENDALE, OR	42.80400356
USGS	14316495 BOULDER CREEK NEAR TOKETEE FALLS, OR	43.3034543
USGS	14316700 STEAMBOAT CREEK NEAR GLIDE, OR	43.349842
USGS	14318000 LITTLE RIVER AT PEEL, OR	43.2526179
USGS	14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR	42.89149904
USGS	14400000 CHETCO RIVER NEAR BROOKINGS, OR	42.12344278

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LON	DATUM	REGIME	DRAIN_SQKM	BAS_COMPACTNESS
-118.8675	NAD83	Snowmelt dominant	528.9	1.92
-124.3838328	NAD83	Rainfall dominant	135.2	1.97
-123.1326773	NAD83	Transient	405	2.22
-123.011551	NAD83	Rainfall dominant	171.7	1.69
-123.3298868	NAD83	Rainfall dominant	147	1.93
-123.2801586	NAD83	Rainfall dominant	198.3	1.46
-122.6687354	NAD83	Rainfall dominant	224.1	1.31
-122.0837194	NAD83	Transient	350	2.03
-122.0351092	NAD83	Transient	240.9	2.84
-122.0326105	NAD83	Transient	205.2	1.77
-122.0926135	NAD83	Rainfall dominant	205.8	2.8
-122.2295625	NAD83	Transient	1142.8	2.34
-121.6356543	NAD83	Transient	190.2	2.07
-121.8601066	NAD83	Transient	970.4	2.51
-122.059559	NAD83	Rainfall dominant	71.1	1.59
-121.5489858	NAD83	Transient	66.6	2.93
-121.6478809	NAD83	Transient	401.5	2.05
-121.7134437	NAD83	Rainfall dominant	165.6	2.76
-121.5873213	NAD83	Transient	107.9	1.9
-121.7178847	NAD83	Transient	165	1.47
-121.7901109	NAD83	Transient	210.1	1.19
-121.9090047	NAD83	Rainfall dominant	79	2.13
-122.0476407	NAD83	Rainfall dominant	683.8	1.64
-121.3995727	NAD83	Transient	128.3	2.38
-121.4706723	NAD83	Transient	398.4	1.92
-121.5684634	NAD83	Transient	1855.3	1.88
-122.3382169	NAD83	Rainfall dominant	224.2	1.42
-122.1396	NAD83	Rainfall dominant	58.1	1.92
-122.1665454	NAD83	Rainfall dominant	332.1	2.37
-122.2943258	NAD83	Transient	1524.8	1.81
-112.9171889	NAD83	Snowmelt dominant	102.4	2.27
-115.122625	NAD83	Snowmelt dominant	828.4	2.14
-114.0102083	NAD83	Snowmelt dominant	2939.2	1.12
-114.6978333	NAD83	Snowmelt dominant	50.8	2.56
-115.3551	NAD83	Snowmelt dominant	470.2	2.23
-116.1816667	NAD83	Snowmelt dominant	326.2	2.33
-120.1773063	NAD83	Snowmelt dominant	2683.6	1.83
-120.6917668	NAD83	Snowmelt dominant	830.6	2.12
-120.4231438	NAD83	Snowmelt dominant	526.4	1.7
-120.7200872	NAD83	Snowmelt dominant	499.4	2.59
-121.168696	NAD83	Snowmelt dominant	205.2	1.77
-110.6675	NAD83	Snowmelt dominant	1222.3	1.11
-115.4286816	NAD83	Snowmelt dominant	76.1	2.65
-115.7252778	NAD83	Snowmelt dominant	2154.4	1.9
-115.6222222	NAD83	Snowmelt dominant	1163.2	1.39
-115.9822222	NAD83	Snowmelt dominant	874.8	1.39
-114.7327778	NAD83	Snowmelt dominant	2090.9	1.17
-115.0143472	NAD83	Snowmelt dominant	2696.6	1.55

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-115.5 NAD83	Snowmelt dominant	561.9	2.37
-117.7265892 NAD83	Snowmelt dominant	618.9	1.15
-117.2913889 NAD83	Transient	269.8	2.62
-115.5872222 NAD83	Snowmelt dominant	3053.4	1.08
-115.9766667 NAD83	Snowmelt dominant	3027	1.28
-115.621111 NAD83	Snowmelt dominant	3354.6	2.18
-118.3232913 NAD83	Transient	341.4	2.22
-118.3566262 NAD83	Transient	456.4	1.53
-121.633397 NAD83	Transient	57.5	2.64
-121.3942286 NAD83	Transient	374.6	1.76
-121.245075 NAD83	Snowmelt dominant	393.8	2.19
-122.1373068 NAD83	Transient	674.2	2.54
-122.1714746 NAD83	Rainfall dominant	59.9	1.45
-122.6886762 NAD83	Rainfall dominant	113.3	2.26
-122.8734019 NAD83	Rainfall dominant	546.8	2.41
-121.9956172 NAD83	Transient	237.1	1.82
-122.2178245 NAD83	Transient	414.3	1.97
-122.256733 NAD83	Rainfall dominant	62.4	2.7
-123.4262097 NAD83	Rainfall dominant	226.5	1.73
-122.1289648 NAD83	Transient	272.5	1.73
-122.130908 NAD83	Rainfall dominant	66.6	2.72
-122.5789738 NAD83	Rainfall dominant	286.8	1.73
-122.4975817 NAD83	Rainfall dominant	458.2	2.4
-122.4359155 NAD83	Rainfall dominant	258.2	2.11
-122.6231384 NAD83	Rainfall dominant	134.7	2.56
-121.984531 NAD83	Transient	594.6	1.84
-121.9986982 NAD83	Transient	349.5	2.33
-122.3170398 NAD83	Rainfall dominant	167.4	1.79
-122.4662083 NAD83	Rainfall dominant	323.9	1.85
-121.9569444 NAD83	Transient	1378	1.94
-122.4595564 NAD83	Rainfall dominant	361	1.79
-123.1258922 NAD83	Rainfall dominant	167.8	2.59
-123.6109071 NAD83	Rainfall dominant	224.9	2.4
-122.5303237 NAD83	Rainfall dominant	79	3.22
-122.7289415 NAD83	Rainfall dominant	587.9	2.76
-123.0261716 NAD83	Rainfall dominant	459.5	2.23
-124.070652 NAD83	Rainfall dominant	443.1	2.27
-124.1873107 NAD83	Rainfall dominant	702.6	2.39

watershed_characteristics

ELEV_MEAN_M_BASIN	SLOPE_PCT	ASPECT_EASTNESS	STREAMS_KM_SQ_KM	SANDAVE
1890.5	13.7	-0.778	0.81	25.18
238.5	24.5	-0.981	0.78	19.87
1265.7	46.2	0.397	0.56	58.75
1073.8	54.2	0.772	0.53	55.07
990.6	53.1	-0.362	0.54	51.14
601.9	42.5	0.208	0.74	41.62
437.9	21.1	0.202	0.75	34.18
1182.5	33.9	-0.864	0.8	58.3
1420.3	39.7	-0.884	0.67	67.42
1263.9	41	-0.281	0.77	62.39
680.3	23	-0.665	0.74	40.85
812.6	25.3	-0.65	0.67	51.96
1214.1	35.7	-0.641	0.69	44.47
1262.7	38.2	0.211	0.75	46.52
262.2	6.3	-0.857	0.52	41.33
1073.5	37.1	-0.984	0.81	51.54
1038.5	50.2	-0.986	0.7	60.57
931.7	44.4	-0.993	0.67	57.48
1042.5	43.4	-0.92	0.64	68.02
966.3	43.6	-0.909	0.7	65.74
827.9	38	-0.481	0.68	60.42
460.9	19	-0.573	0.87	38.49
655.4	32.6	-0.887	0.59	42.41
1110.1	57.2	0.015	0.54	43.96
1176	52.8	-0.634	0.63	43.56
1150.9	47.3	-0.775	0.58	44.01
274.9	17.6	-0.919	0.73	46.03
932.9	37.8	-0.952	0.62	42.53
838.1	35.4	-0.944	0.64	42.68
873.5	36.2	-0.913	0.69	43.63
2222.5	29	0.954	0.72	37.24
1383.4	34.4	0.453	0.68	35.36
1723.7	40.4	-0.993	0.72	34.42
1408.3	24.9	0.98	0.84	41.65
1348.9	37.9	0.888	0.52	42.67
1389.8	38.3	-0.42	0.61	45.05
1591.5	38.2	0.105	0.79	41.21
1534	55.8	-0.612	0.67	49.69
1519.8	42.3	-0.359	0.7	55.51
1547.5	47.9	0.899	0.67	49.12
1465.8	39.2	0.973	0.77	63.55
2508.5	13.7	-0.805	0.49	46.95
2474.2	40.6	-0.591	0.69	34.96
1955.1	36.5	-0.996	0.79	56.11
2079	39.9	-0.974	0.75	62.57
1658.2	29.1	-0.407	0.83	73.13
2375.2	28.8	0.435	0.87	40.56
2192.4	33.4	0.997	0.83	61.53

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2180.4	25	-0.539	0.76	70.04
1736.3	37.7	-0.389	0.63	19.26
1271.8	30.3	0.888	0.82	20.5
1584.1	33.2	-0.905	0.72	40.18
1384.6	21.1	0.57	0.88	29.01
1442.7	33.9	-0.999	0.72	40.39
1209.3	32.2	-0.793	0.65	17.85
1187.3	28.4	-0.867	0.79	17.1
1477.3	24.7	0.995	0.84	54.88
942.7	10.6	0.531	0.75	38.48
1428.8	22.6	-0.052	0.84	40.91
1006.4	30.4	-0.982	0.86	34.75
724.7	18.2	-0.964	0.65	25.72
765.5	26.5	-1	0.62	22.65
857.5	33.3	-0.505	0.68	24.3
1253.9	16.7	-0.945	0.46	42.91
1280.8	28.7	-0.658	0.7	34.93
982.7	33.3	-0.972	0.55	31.64
253.8	19.1	0.179	0.58	15.62
1149.5	34.9	-0.876	0.85	43.02
1027.9	26.5	-0.6	0.62	32.94
818.3	35.9	-0.621	0.68	31.45
889.5	30.6	-0.894	0.69	27.98
918.7	37.8	-0.906	0.68	29.52
732.7	28.6	-0.091	0.63	24.89
1080.2	20.8	-0.907	0.75	36.93
921	30	-0.09	0.82	59.62
687	30.2	-0.5	0.51	32.49
573.3	25.1	-0.974	0.68	25.62
1128.6	38.3	-0.99	0.82	60.56
672.9	33.1	-0.842	0.58	29.76
917.6	26.5	-0.363	0.75	44.33
736.3	33	0.974	0.66	30.53
1207.1	37.4	-0.499	0.75	33.75
944	34.4	-0.359	0.69	28.62
858.9	27.1	-0.26	0.71	27.3
651.9	28.4	-0.308	0.65	32.43
671.2	36.5	-0.88	0.61	22.5

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FORESTNLCD06	IMPNLCD06
14.31	0.12
58.83	0.1
71.13	0.04
74.9	0.09
82.06	0.06
78.88	0.63
59.36	1.27
68.05	0.43
59.01	0.39
69.29	0.17
65.38	1.16
57.65	2.5
79.78	0.53
72.32	0.51
28.96	6.79
77.27	0.75
76.88	0.06
77.76	0.61
69.04	1.52
70.34	1.56
70.66	2.33
73.84	1.23
78.89	0.54
59.73	0.11
76.4	0.13
74.44	0.25
65.32	1.82
66.85	0.62
71.42	0.35
69.46	0.5
46.62	0.16
85.62	0.38
69.91	0.07
94.87	0.14
91.73	0.1
87.93	0.09
51.58	0.42
48.34	0.1
64.63	0.65
61.75	0.09
81.66	0.27
41.54	0.01
47.25	0.25
43.97	0.11
52.91	0.12
77.43	0.11
61.14	0.11
59.36	0.04

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79.39	0.07
76.92	0.04
51.92	0.21
86.37	0.07
70.53	0.17
75.57	0.05
73.37	0.31
67.74	0.42
86.46	0.02
57.42	0.19
74.79	1.29
83.69	0.19
84.58	0.01
86.26	0.09
84.93	0.04
80.99	0.15
92.32	0.02
93.6	0.02
57.02	0.94
85.41	0.05
87.63	0.08
84.37	0.06
83.15	0.08
82.16	0.05
71.81	0.02
83.55	0.97
60.01	1.07
67.64	0.67
69.44	0.43
76.23	0.5
61.65	1.02
84.29	0.04
82.45	0.12
83.85	0.03
87.24	0.04
85.85	0.04
75.87	0.31
57.15	0.1