



Total Maximum Daily Loads for the Willamette Subbasins

Technical Support Document
Appendix E: Southern Willamette
Shade Results

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Overview

To summarize the status of effective shade in the Southern Willamette Subbasins study area, the results of HeatSource shade models for different management scenarios, streams and designated management agencies were compared. The tables below show the effective shade results for the study area in multiple ways. The mean shade for current condition and restored vegetation scenarios is presented, as well as the shade gap between scenarios. In some tables, the shade gap is summarized by the number of stream kilometers that fall within shade gap categories of 0-15 percentage points, 16-25 percentage points, 26-50 percentage points, and 51-100 percentage points.

Table 1 shows effective shade results for the entire Southern Willamette Subbasins study area. Table 2 shows shade results stratified by designated management agency. Table 3 shows shade results stratified by DEQ assessment unit ID. Table 4, Table 5 and Table 6 present shade results at the HUC8, HUC10 and HUC12 levels, respectively. Table 7 and Table 8 show shade results for the Oregon Department of Agriculture (ODA) at the HUC10 and HUC12 levels, respectively. Shade results for ODA’s agricultural water quality management areas are also presented at the HUC8, HUC10 and HUC12 levels in Table 9, Table 10 and Table 11, respectively.

Table 1: Summary of shade results for the Southern Willamette Subbasins study area.

Extent	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Willamette Subbasins	65	93	28	21410.1	11348.6	1627.8	2624.1	5809.6

Table 2: Shade results stratified by designated management agency within the Southern Willamette Subbasins study area.

Designated Management Agency	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Albany & Eastern Railroad	95	97	2	0.1	0.1	0.0	0.0	0.0
Benton County	57	89	32	119.3	50.7	12.3	20.8	35.5
Bonneville Power Administration	34	94	60	2.3	0.3	0.2	0.2	1.6
Central Oregon & Pacific Railroad	8	86	78	0.2	0.0	0.0	0.0	0.2
City of Adair Village	27	93	66	2.0	0.0	0.4	0.2	1.4
City of Albany	35	76	41	47.7	13.9	4.0	7.8	22.0
City of Brownsville	28	67	39	4.0	0.8	0.8	1.1	1.3
City of Coburg	22	91	69	2.8	0.2	0.4	0.0	2.2
City of Corvallis	59	86	27	63.8	33.1	4.7	7.4	18.6
City of Cottage Grove	38	85	47	6.2	1.8	0.4	0.9	3.0
City of Creswell	18	91	73	4.6	0.0	0.0	0.6	4.0
City of Eugene	27	81	54	139.4	22.1	6.7	22.8	87.8
City of Falls City	56	96	40	9.0	2.6	0.6	2.4	3.5
City of Gates	36	85	49	4.7	1.5	0.4	0.6	2.2
City of Halsey	8	87	79	1.6	0.0	0.0	0.0	1.6
City of Harrisburg	3	88	85	0.8	0.0	0.0	0.0	0.8
City of Jefferson	22	82	60	3.2	0.2	0.2	0.4	2.4
City of Junction City	9	85	76	11.6	0.2	0.0	0.4	11.0
City of Lebanon	37	85	48	16.2	2.9	1.0	2.8	9.4
City of Lowell	33	90	57	2.7	0.3	0.0	0.3	2.1

Designated Management Agency	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
City of Lyons	32	88	56	2.3	0.4	0.1	0.2	1.6
City of Mill City	18	76	58	2.9	0.0	0.5	0.8	1.5
City of Millersburg	26	78	52	17.2	3.8	1.4	2.1	9.9
City of Monmouth	82	89	7	0.5	0.3	0.2	0.0	0.0
City of Monroe	26	75	49	1.2	0.2	0.0	0.5	0.5
City of Oakridge	28	75	47	9.2	2.6	0.2	1.9	4.5
City of Philomath	37	88	51	7.6	1.2	1.7	0.4	4.4
City of Salem	24	45	21	0.8	0.2	0.0	0.5	0.0
City of Scio	51	59	8	1.7	1.0	0.0	0.2	0.5
City of Springfield	30	83	53	45.9	7.0	2.7	8.1	28.1
City of Stayton	41	86	45	3.9	1.4	0.2	0.9	1.5
City of Sweet Home	33	87	54	26.2	4.5	1.0	5.4	15.3
City of Tangent	48	82	34	10.9	4.7	0.4	0.8	4.9
City of Veneta	50	95	45	8.7	2.9	0.5	1.0	4.3
City of Waterloo	48	94	46	0.4	0.2	0.0	0.0	0.2
City of Westfir	29	80	51	3.1	0.2	0.2	1.3	1.4
Lane County	49	84	35	773.3	290.2	68.5	146.7	267.8
Lincoln County	9	96	87	0.2	0.0	0.0	0.0	0.2
Linn County	42	88	46	180.7	47.9	15.5	31.1	86.2
Marion County	42	78	36	49.0	17.4	4.2	10.3	17.0
Oregon Department of Agriculture	32	85	53	4823.0	1016.3	328.1	649.3	2829.4
Oregon Department of Aviation	1	92	91	0.2	0.0	0.0	0.0	0.2
Oregon Department of Fish and Wildlife	37	73	36	13.8	4.4	1.1	3.0	5.4
Oregon Department of Forestry - Private	70	96	26	8603.4	4757.6	730.5	1148.3	1966.9
Oregon Department of Forestry - Public	85	97	12	526.6	411.7	38.9	44.1	31.9

Designated Management Agency	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Geology and Mineral Industries	40	93	53	5.0	0.8	0.5	1.1	2.7
Oregon Department of State Lands	37	56	19	3.7	1.6	1.3	0.4	0.4
Oregon Department of Transportation	35	78	43	54.9	15.9	4.6	7.1	27.2
Oregon Military Department	0	86	86	0.2	0.0	0.0	0.0	0.2
Oregon Parks and Recreation Department	48	72	24	28.2	12.7	4.2	6.0	5.2
Polk County	50	93	43	64.9	19.4	6.5	11.3	27.7
Port of Coos Bay	56	93	37	1.9	0.7	0.0	0.4	0.8
Portland & Western Railroad	46	74	28	1.9	1.0	0.0	0.6	0.4
State of Oregon	63	68	5	2.5	1.4	0.7	0.4	0.0
U.S. Army Corps of Engineers	59	81	22	73.6	43.3	5.5	9.0	15.9
U.S. Bureau of Land Management	89	97	8	2574.4	2231.1	134.4	142.0	66.9
U.S. Department of Agriculture	30	46	16	1.2	0.9	0.1	0.1	0.0
U.S. Department of Defense	47	85	38	1.5	0.6	0.2	0.0	0.7
U.S. Fish and Wildlife Service	47	77	30	39.7	17.8	3.2	8.1	10.5
U.S. Forest Service	84	95	11	2985.3	2285.9	236.2	309.6	153.5
U.S. Government	59	82	23	10.3	5.7	1.4	1.0	2.1
Union Pacific Railroad	65	90	25	5.4	2.3	1.0	0.9	1.1
Unknown	65	73	8	0.7	0.4	0.0	0.2	0.1

Table 3: Shade results stratified by DEQ assessment unit ID in the Southern Willamette Subbasins study area.

AU ID	AU ID GNIS Name	Current Condi- tion	Restored Vegetati- on	Shad- e Gap	Total Stream meters Assesse- d	Strea- m meter s with 0%- 15% Shade Gap	Strea- m meter s with 16%- 25% Shade Gap	Strea- m meter s with 26%- 50% Shade Gap	Strea- m meter s with 51%- 100% Shade Gap	AU GNIS Total meters	Percent AU GNIS Assessed
OR_LK_1709000104_02_100682	OR_LK_1709000104_02_100682;	10	96	86	353	0	0	0	353	352.0000	100.2840909
OR_LK_1709000109_02_100701	OR_LK_1709000109_02_100701; Fall Creek Lake	75	98	23	67	61	0	5	0	31942.0000	0.2097552
OR_LK_1709000110_02_100702	OR_LK_1709000110_02_100702;	9	87	78	1442	0	0	0	1442	1853.0000	77.8197518
OR_LK_1709000202_02_100705	OR_LK_1709000202_02_100705; Dorena Lake	4	98	94	97	0	0	0	97	18362.7046	0.5282446
OR_LK_1709000203_02_100706	OR_LK_1709000203_02_100706; Cottage Grove Lake	52	72	20	695	191	200	304	0	14283.0000	4.8659245
OR_LK_1709000301_02_100707	OR_LK_1709000301_02_100707; Noti Creek	2	6	4	620	620	0	0	0	914.3173	67.8101574
OR_LK_1709000301_02_100708	OR_LK_1709000301_02_100708; Fern Ridge Lake	6	45	39	4868	2586	0	187	2095	39099.0000	12.4504463
OR_LK_1709000302_02_100711	OR_LK_1709000302_02_100711; Clemens Log Pond	15	98	83	1002	0	0	0	1002	1003.0000	99.9002991
OR_LK_1709000302_02_100712	OR_LK_1709000302_02_100712; Larson Log Pond	1	97	96	456	0	0	0	456	456.0000	100.0000000
OR_LK_1709000304_02_100714	OR_LK_1709000304_02_100714; Oak Creek	8	77	69	914	0	0	200	714	913.0000	100.1095290
OR_LK_1709000305_02_100715	OR_LK_1709000305_02_100715; McTimmonds Creek	7	34	27	503	303	0	0	200	504.0000	99.8015873
OR_LK_1709000306_02_100716	OR_LK_1709000306_02_100716; McBee Lake	68	94	26	22	0	0	22	0	3049.0000	0.7215480
OR_LK_1709000306_02_100717	OR_LK_1709000306_02_100717; Harkens Lake	26	58	32	2004	400	400	804	400	2005.0000	99.9501247
OR_LK_1709000306_02_100718	OR_LK_1709000306_02_100718; Second Lake	15	13	-2	1453	1253	200	0	0	1595.8384	91.0493170

OR_LK_1709000306_02_1007 20	OR_LK_1709000306_02_1007 20; Colorado Lake	10	22	12	1252	1052	0	0	200	1310.0000	95.5725191
OR_LK_1709000402_02_1007 39	OR_LK_1709000402_02_1007 39; Carmen Reservoir	12	19	7	590	479	0	111	0	1143.0000	51.6185477
OR_LK_1709000402_02_1007 41	OR_LK_1709000402_02_1007 41; Clear Lake	11	19	8	2447	1845	400	203	0	2852.0000	85.7994390
OR_LK_1709000402_02_1007 42	OR_LK_1709000402_02_1007 42; Trail Bridge Reservoir	48	96	48	111	0	0	12	99	2596.0000	4.2758089
OR_LK_1709000402_02_1007 45	OR_LK_1709000402_02_1007 45; Smith Reservoir	80	97	17	127	121	0	6	0	4908.0000	2.5876121
OR_LK_1709000404_02_1007 58	OR_LK_1709000404_02_1007 58; Blue River Lake	62	79	17	858	458	0	400	0	21112.991 5	4.0638486
OR_LK_1709000407_02_1007 59	OR_LK_1709000407_02_1007 59;	15	94	79	487	0	0	0	487	486.0000	100.205761 3
OR_LK_1709000407_02_1007 60	OR_LK_1709000407_02_1007 60; Walterville Reservoir	2	85	83	604	0	0	0	604	604.0000	100.000000 0
OR_LK_1709000503_02_1007 70	OR_LK_1709000503_02_1007 70; Big Cliff Reservoir	23	96	73	1063	0	0	60	1003	5722.0000	18.5774205
OR_LK_1709000603_02_1007 71	OR_LK_1709000603_02_1007 71; Green Peter Lake	31	96	65	111	0	0	0	111	85953.089 4	0.1291402
OR_LK_1709000605_02_1007 73	OR_LK_1709000605_02_1007 73; Willamette Log Pond	1	25	24	556	356	0	0	200	555.0000	100.180180 2
OR_LK_1709000608_02_1007 74	OR_LK_1709000608_02_1007 74; Western Log Pond	21	91	70	767	0	119	0	648	1074.0000	71.4152700
OR_LK_1709000608_02_1007 75	OR_LK_1709000608_02_1007 75; Snow Peak Log Pond	17	91	74	824	0	0	0	824	825.0000	99.8787879
OR_SR_1709000101_02_1037 12	OR_SR_1709000101_02_1037 12; Swift Creek	71	97	26	2598	1176	221	800	400	7374.0000	35.2318959
OR_SR_1709000101_02_1037 13	OR_SR_1709000101_02_1037 13; Middle Fork Willamette River	48	90	42	9583	2537	658	2543	3844	11567.000 0	82.8477565
OR_SR_1709000101_02_1037 14	OR_SR_1709000101_02_1037 14; Middle Fork Willamette River	73	97	24	2168	1032	151	563	421	5682.0000	38.1555790
OR_SR_1709000102_02_1037 15	OR_SR_1709000102_02_1037 15; Hills Creek	76	98	22	2241	924	381	536	400	18463.218 2	12.1376457
OR_SR_1709000103_02_1037 16	OR_SR_1709000103_02_1037 16; Salt Creek	67	77	10	4630	2746	863	1021	0	23772.000 0	19.4766953

OR_SR_1709000104_02_1037 19	OR_SR_1709000104_02_1037 19; Salmon Creek	45	78	33	6088	2322	0	1612	2154	24963.234 0	24.3878657
OR_SR_1709000105_02_1037 20	OR_SR_1709000105_02_1037 20; Middle Fork Willamette River	21	46	25	9081	2907	1882	2568	1725	10351.000 0	87.7306540
OR_SR_1709000105_02_1045 78	OR_SR_1709000105_02_1045 78; Packard Creek	70	97	27	1625	515	0	1110	0	3167.0000	51.3103884
OR_SR_1709000105_02_1045 79	OR_SR_1709000105_02_1045 79; Middle Fork Willamette River	44	67	23	17149	5379	2718	6410	2643	23541.498 1	72.8458312
OR_SR_1709000105_02_1045 80	OR_SR_1709000105_02_1045 80; Middle Fork Willamette River	26	62	36	2089	0	200	1689	200	2515.0000	83.0616302
OR_SR_1709000106_02_1037 21	OR_SR_1709000106_02_1037 21; North Fork Middle Fork Willamette River	41	76	35	9111	1184	1921	3225	2781	23527.484 8	38.7249214
OR_SR_1709000107_02_1037 24	OR_SR_1709000107_02_1037 24; Tire Creek	88	94	6	2099	1899	0	200	0	2134.0000	98.3598875
OR_SR_1709000107_02_1037 25	OR_SR_1709000107_02_1037 25; Middle Fork Willamette River	18	50	32	7150	1283	520	4335	1012	10047.295 4	71.1634296
OR_SR_1709000107_02_1037 26	OR_SR_1709000107_02_1037 26; Deception Creek	86	89	3	1516	1467	50	0	0	2428.0000	62.4382208
OR_SR_1709000107_02_1037 27	OR_SR_1709000107_02_1037 27; Lost Creek	89	97	8	5441	4477	712	253	0	9232.6370	58.9322423
OR_SR_1709000107_02_1037 28	OR_SR_1709000107_02_1037 28; Lost Creek	50	84	34	10883	2865	559	3901	3558	13613.408 4	79.9432419
OR_SR_1709000107_02_1045 68	OR_SR_1709000107_02_1045 68; Gosage Creek	70	97	27	1602	943	0	238	422	3055.2963	52.4335394
OR_SR_1709000107_02_1045 82	OR_SR_1709000107_02_1045 82; Goodman Creek	87	98	11	907	360	547	0	0	1311.0000	69.1838291
OR_SR_1709000108_02_1037 32	OR_SR_1709000108_02_1037 32; Little Fall Creek	52	89	37	3532	379	631	1672	851	18773.981 0	18.8132714
OR_SR_1709000109_02_1037 37	OR_SR_1709000109_02_1037 37; Fall Creek	52	77	25	1969	694	410	477	387	13383.000 0	14.7126952
OR_SR_1709000109_02_1037 46	OR_SR_1709000109_02_1037 46; Nelson Creek	46	96	50	628	59	200	116	253	1315.0000	47.7566540

OR_SR_1709000109_02_1037 47	OR_SR_1709000109_02_1037 47; Winberry Creek	71	97	26	3842	1423	692	1085	641	7828.6820	49.0759492
OR_SR_1709000110_02_1037 49	OR_SR_1709000110_02_1037 49; Hills Creek	69	81	12	2292	1502	200	589	0	12937.639 2	17.7157514
OR_SR_1709000201_02_1037 51	OR_SR_1709000201_02_1037 51; Smith Creek	68	93	25	779	407	0	172	200	1178.0000	66.1290323
OR_SR_1709000201_02_1037 52	OR_SR_1709000201_02_1037 52; Mosby Creek	64	87	23	28491	10166	6042	9284	2998	36754.000 0	77.5180933
OR_SR_1709000201_02_1037 53	OR_SR_1709000201_02_1037 53; Middle Fork Mosby Creek	94	98	4	2466	2266	0	200	0	3285.0000	75.0684932
OR_SR_1709000201_02_1037 54	OR_SR_1709000201_02_1037 54; East Fork Mosby Creek	94	98	4	1821	1621	200	0	0	3084.0000	59.0466926
OR_SR_1709000202_02_1037 55	OR_SR_1709000202_02_1037 55; Sharps Creek	67	97	30	12029	3478	1648	4176	2727	17935.000 0	67.0699749
OR_SR_1709000202_02_1037 58	OR_SR_1709000202_02_1037 58; Smith Creek	83	96	13	1443	997	200	246	0	2546.0000	56.6771406
OR_SR_1709000202_02_1037 59	OR_SR_1709000202_02_1037 59; Smith Creek	74	97	23	816	400	250	0	165	815.0000	100.122699 4
OR_SR_1709000202_02_1037 60	OR_SR_1709000202_02_1037 60; Rat Creek	89	97	8	3406	2887	319	200	0	4819.9707	70.6643304
OR_SR_1709000202_02_1037 61	OR_SR_1709000202_02_1037 61; Row River	40	78	38	4672	676	316	2557	1124	6542.0000	71.4154693
OR_SR_1709000202_02_1037 64	OR_SR_1709000202_02_1037 64; Teeter Creek	89	97	8	3582	3220	0	362	0	6441.0000	55.6124825
OR_SR_1709000202_02_1037 65	OR_SR_1709000202_02_1037 65; Layng Creek	53	77	24	1580	485	491	200	404	13278.862 0	11.8986100
OR_SR_1709000202_02_1037 66	OR_SR_1709000202_02_1037 66; Row River	41	74	33	4948	768	481	2542	1157	9171.0000	53.9526769
OR_SR_1709000202_02_1037 68	OR_SR_1709000202_02_1037 68; Culp Creek	73	93	20	1357	757	200	200	200	2110.0000	64.3127962
OR_SR_1709000202_02_1037 69	OR_SR_1709000202_02_1037 69; Alder Creek	80	98	18	1077	731	0	200	146	1324.0000	81.3444109
OR_SR_1709000202_02_1037 71	OR_SR_1709000202_02_1037 71; Brice Creek	63	96	33	2566	976	300	449	840	21256.485 5	12.0716099
OR_SR_1709000202_02_1037 72	OR_SR_1709000202_02_1037 72; Clark Creek	93	98	5	1443	1443	0	0	0	1845.0000	78.2113821

OR_SR_1709000203_02_1037 81	OR_SR_1709000203_02_1037 81; Little River	83	97	14	2212	1533	400	0	280	3474.0000	63.6729994
OR_SR_1709000203_02_1037 82	OR_SR_1709000203_02_1037 82; Silk Creek	64	91	27	5726	2760	554	1068	1345	9047.0000	63.2916989
OR_SR_1709000203_02_1037 83	OR_SR_1709000203_02_1037 83; Wilson Creek	85	96	11	1274	693	400	181	0	1472.0000	86.5489130
OR_SR_1709000203_02_1037 84	OR_SR_1709000203_02_1037 84; Big River	87	97	10	7268	5995	710	453	110	10074.000 0	72.1461187
OR_SR_1709000203_02_1037 85	OR_SR_1709000203_02_1037 85; Bar Creek	96	97	1	1145	1145	0	0	0	1459.0000	78.4784099
OR_SR_1709000203_02_1045 86	OR_SR_1709000203_02_1045 86; Coast Fork Willamette River	70	80	10	12644	8577	2231	1402	434	16945.260 5	74.6167341
OR_SR_1709000204_02_1037 86	OR_SR_1709000204_02_1037 86; Camas Swale Creek	47	86	39	13215	3472	730	3202	5812	17157.000 0	77.0239552
OR_SR_1709000301_02_1037 88	OR_SR_1709000301_02_1037 88; Bear Creek	35	78	43	5582	997	580	1325	2680	6728.0000	82.9667063
OR_SR_1709000301_02_1037 89	OR_SR_1709000301_02_1037 89; Long Tom River	50	83	33	15541	5208	1609	4062	4662	16340.464 6	95.1074548
OR_SR_1709000301_02_1037 90	OR_SR_1709000301_02_1037 90; Ferguson Creek	47	88	41	13237	2831	1659	2807	5940	14698.827 8	90.0548003
OR_SR_1709000301_02_1037 92	OR_SR_1709000301_02_1037 92; Long Tom River	73	97	24	19539	8408	3193	6120	1817	21782.000 0	89.7025067
OR_SR_1709000301_02_1037 93	OR_SR_1709000301_02_1037 93; Jones Creek	63	96	33	1275	400	200	551	125	1922.0000	66.3371488
OR_SR_1709000301_02_1037 94	OR_SR_1709000301_02_1037 94; Poodle Creek	72	97	25	2228	975	400	653	200	2716.0000	82.0324006
OR_SR_1709000301_02_1037 95	OR_SR_1709000301_02_1037 95; Battle Creek	62	97	35	2050	748	384	95	824	2252.0000	91.0301954
OR_SR_1709000301_02_1037 96	OR_SR_1709000301_02_1037 96; Coyote Creek	55	82	27	17293	5909	2503	4358	4523	18701.000 0	92.4709909
OR_SR_1709000301_02_1037 97	OR_SR_1709000301_02_1037 97; Long Tom River	73	97	24	3384	1242	484	1321	337	5026.0000	67.3298846
OR_SR_1709000301_02_1037 98	OR_SR_1709000301_02_1037 98; Poodle Creek	78	97	19	9443	4878	2093	1438	1035	10791.153 9	87.5068606
OR_SR_1709000301_02_1037 99	OR_SR_1709000301_02_1037 99; Coyote Creek	53	91	38	12242	3487	1136	3969	3651	15938.000 0	76.8101393

OR_SR_1709000301_02_1038 00	OR_SR_1709000301_02_1038 00; Elk Creek	62	96	34	6701	3236	590	703	2171	8225.5042	81.4661305
OR_SR_1709000301_02_1038 01	OR_SR_1709000301_02_1038 01; Spencer Creek	50	87	37	5628	1959	614	1259	1795	7291.0000	77.1910575
OR_SR_1709000301_02_1038 02	OR_SR_1709000301_02_1038 02; Noti Creek	63	87	24	9070	4269	1024	2112	1665	13559.394 1	66.8908944
OR_SR_1709000301_02_1038 03	OR_SR_1709000301_02_1038 03; Amazon Creek	5	47	42	641	0	200	400	41	641.0000	100.000000 0
OR_SR_1709000302_02_1038 04	OR_SR_1709000302_02_1038 04; Marys River	66	81	15	45006	26251	4341	11057	3357	49092.000 0	91.6768516
OR_SR_1709000302_02_1038 05	OR_SR_1709000302_02_1038 05; Reese Creek	44	90	46	6842	1227	1030	1640	2945	8255.0000	82.8831012
OR_SR_1709000302_02_1038 06	OR_SR_1709000302_02_1038 06; Muddy Creek	59	82	23	62254	30047	8252	14333	9622	67195.338 1	92.6463081
OR_SR_1709000302_02_1038 07	OR_SR_1709000302_02_1038 07; Oliver Creek	63	96	33	1595	751	0	0	843	2405.0000	66.3201663
OR_SR_1709000302_02_1038 08	OR_SR_1709000302_02_1038 08; Hammer Creek	54	91	37	6068	2573	337	1241	1917	7912.0000	76.6936299
OR_SR_1709000302_02_1038 09	OR_SR_1709000302_02_1038 09; Beaver Creek	57	92	35	8755	2767	1474	1184	3330	11061.000 0	79.1519754
OR_SR_1709000302_02_1038 10	OR_SR_1709000302_02_1038 10; Greasy Creek	68	95	27	11075	4019	1545	3750	1761	13947.468 5	79.4050908
OR_SR_1709000302_02_1038 11	OR_SR_1709000302_02_1038 11; Miller Creek	36	94	58	652	200	200	0	252	851.0000	76.6157462
OR_SR_1709000302_02_1038 12	OR_SR_1709000302_02_1038 12; Marys River	47	36	-11	10906	9906	800	200	0	11568.000 0	94.2773167
OR_SR_1709000302_02_1038 13	OR_SR_1709000302_02_1038 13; Marys River	49	51	2	10903	7903	1600	1200	200	11099.000 0	98.2340751
OR_SR_1709000302_02_1038 14	OR_SR_1709000302_02_1038 14; Millrace	60	80	20	1568	1200	0	118	250	1776.3934	88.2687365
OR_SR_1709000303_02_1038 15	OR_SR_1709000303_02_1038 15; Calapooia River	50	90	40	42959	9542	5214	11172	17030	52828.281 0	81.3181864
OR_SR_1709000303_02_1038 16	OR_SR_1709000303_02_1038 16; Calapooia River	44	61	17	56449	27429	7966	13532	7522	59741.511 0	94.4887384
OR_SR_1709000303_02_1038 17	OR_SR_1709000303_02_1038 17; West Brush Creek	63	97	34	2925	1104	406	431	985	3668.0000	79.7437296

OR_SR_1709000303_02_1038 18	OR_SR_1709000303_02_1038 18; Bickmore Creek	67	96	29	856	256	0	400	200	856.0000	100.000000 0
OR_SR_1709000303_02_1038 19	OR_SR_1709000303_02_1038 19; Courtney Creek	41	77	36	39152	12301	3176	7337	16338	41706.625 3	93.8747733
OR_SR_1709000303_02_1038 20	OR_SR_1709000303_02_1038 20; Brush Creek	58	96	38	5638	1261	600	1290	2488	6548.0000	86.1026268
OR_SR_1709000304_02_1038 21	OR_SR_1709000304_02_1038 21; Calapooia River	38	50	12	28578	14700	5883	6595	1400	29950.000 0	95.4190317
OR_SR_1709000305_02_1038 22	OR_SR_1709000305_02_1038 22; Little Luckiamute River	51	80	29	28147	9071	4839	7551	6686	32674.248 0	86.1442933
OR_SR_1709000305_02_1038 23	OR_SR_1709000305_02_1038 23; Little Luckiamute River	91	98	7	3884	3389	423	72	0	6007.6485	64.6509195
OR_SR_1709000305_02_1038 24	OR_SR_1709000305_02_1038 24; Teal Creek	73	97	24	8330	4421	200	1793	1916	11490.000 0	72.4978242
OR_SR_1709000305_02_1038 25	OR_SR_1709000305_02_1038 25; Miller Creek	53	97	44	467	0	0	285	182	866.0000	53.9260970
OR_SR_1709000305_02_1038 26	OR_SR_1709000305_02_1038 26; Boulder Creek	81	96	15	796	396	0	400	0	907.0000	87.7618523
OR_SR_1709000305_02_1038 27	OR_SR_1709000305_02_1038 27; Black Rock Creek	69	97	28	497	50	137	114	196	1098.0000	45.2641166
OR_SR_1709000305_02_1038 28	OR_SR_1709000305_02_1038 28; North Fork Pedee Creek	63	96	33	7243	2148	746	1854	2495	10374.000 0	69.8187777
OR_SR_1709000305_02_1038 29	OR_SR_1709000305_02_1038 29; Luckiamute River	44	63	19	75729	32497	14772	20113	8348	86577.793 4	87.4693118
OR_SR_1709000305_02_1038 30	OR_SR_1709000305_02_1038 30; Luckiamute River	81	96	15	1012	834	0	178	0	2589.0000	39.0884511
OR_SR_1709000305_02_1038 31	OR_SR_1709000305_02_1038 31; Luckiamute River	70	96	26	2454	1419	82	301	652	4206.0000	58.3452211
OR_SR_1709000305_02_1038 32	OR_SR_1709000305_02_1038 32; Soap Creek	66	88	22	21179	10230	2793	5709	2447	23356.000 0	90.6790546
OR_SR_1709000305_02_1038 33	OR_SR_1709000305_02_1038 33; Ritner Creek	66	96	30	4638	1656	800	1072	1110	5315.0000	87.2624647
OR_SR_1709000305_02_1038 34	OR_SR_1709000305_02_1038 34; tributary to Little Luckiamute River	97	99	2	35	35	0	0	0	234.7373	14.9102842
OR_SR_1709000305_02_1038 35	OR_SR_1709000305_02_1038 35; tributary to Miller Creek	70	97	27	1683	595	565	124	399	3592.0000	46.8541203

OR_SR_1709000305_02_1038 36	OR_SR_1709000305_02_1038 36; Miller Creek	57	97	40	728	300	175	0	252	928.0000	78.4482759
OR_SR_1709000306_02_1038 37	OR_SR_1709000306_02_1038 37; Dead River	40	80	40	3122	707	144	555	1716	3120.0000	100.064102 6
OR_SR_1709000306_02_1038 38	OR_SR_1709000306_02_1038 38; Muddy Creek	43	62	19	90461	45785	10356	12315	22004	95685.175 2	94.5402460
OR_SR_1709000401_02_1038 55	OR_SR_1709000401_02_1038 55; Horse Creek	76	81	5	9619	6632	1336	1450	200	25669.800 0	37.4720489
OR_SR_1709000402_02_1038 58	OR_SR_1709000402_02_1038 58; McKenzie River	37	48	11	2803	1548	684	571	0	2997.8610	93.4999991
OR_SR_1709000402_02_1045 87	OR_SR_1709000402_02_1045 87; McKenzie River	72	70	-2	1130	930	0	200	0	1533.0000	73.7116765
OR_SR_1709000402_02_1045 88	OR_SR_1709000402_02_1045 88; McKenzie River	45	60	15	21049	9750	4074	6329	895	23468.000 0	89.6923470
OR_SR_1709000403_02_1038 61	OR_SR_1709000403_02_1038 61; Rebel Creek	91	97	6	856	656	0	200	0	2220.0000	38.5585586
OR_SR_1709000403_02_1038 62	OR_SR_1709000403_02_1038 62; French Pete Creek	86	96	10	2463	1906	500	57	0	15207.000 0	16.1964885
OR_SR_1709000403_02_1038 63	OR_SR_1709000403_02_1038 63; East Fork South Fork McKenzie River	93	98	5	111	111	0	0	0	9096.2398	1.2202844
OR_SR_1709000403_02_1038 64	OR_SR_1709000403_02_1038 64; Roaring River	88	97	9	635	602	33	0	0	5360.0000	11.8470149
OR_SR_1709000403_02_1038 65	OR_SR_1709000403_02_1038 65; Augusta Creek	81	96	15	2377	1345	375	628	29	8387.0000	28.3414809
OR_SR_1709000403_02_1045 89	OR_SR_1709000403_02_1045 89; South Fork McKenzie River	69	85	16	20984	12086	2694	5102	1101	33081.709 3	63.4308215
OR_SR_1709000403_02_1045 90	OR_SR_1709000403_02_1045 90; South Fork McKenzie River	33	59	26	6989	1803	1245	3023	918	7830.0000	89.2592593
OR_SR_1709000404_02_1045 69	OR_SR_1709000404_02_1045 69; Lower Blue River	17	19	2	200	200	0	0	0	2703.9326	7.3966340
OR_SR_1709000404_02_1045 70	OR_SR_1709000404_02_1045 70; Lookout Creek	75	97	22	2127	769	358	800	200	4540.8852	46.8410871
OR_SR_1709000404_02_1045 71	OR_SR_1709000404_02_1045 71; Lookout Creek	68	80	12	3968	2706	84	509	669	6686.9229	59.3396998
OR_SR_1709000404_02_1045 72	OR_SR_1709000404_02_1045 72; Tidbits Creek	91	95	4	1455	1255	200	0	0	2111.4178	68.9110420

OR_SR_1709000404_02_1045 73	OR_SR_1709000404_02_1045 73; McRae Creek	79	97	18	1200	891	0	109	200	1963.7374	61.1079656
OR_SR_1709000404_02_1045 74	OR_SR_1709000404_02_1045 74; Upper Blue River	80	94	14	5723	3807	743	937	236	9498.2390	60.2532745
OR_SR_1709000404_02_1045 75	OR_SR_1709000404_02_1045 75; Cook Creek	90	98	8	3451	3170	141	140	0	5837.8915	59.1138081
OR_SR_1709000404_02_1045 76	OR_SR_1709000404_02_1045 76; Quentin Creek	88	98	10	4000	2675	925	200	200	6320.0677	63.2904609
OR_SR_1709000404_02_1045 77	OR_SR_1709000404_02_1045 77; Upper Blue River	85	98	13	4097	2991	434	672	0	8611.5762	47.5754947
OR_SR_1709000405_02_1038 66	OR_SR_1709000405_02_1038 66; McKenzie River	24	42	18	9168	3278	3423	2260	206	10406.590 8	88.0980154
OR_SR_1709000405_02_1038 67	OR_SR_1709000405_02_1038 67; Quartz Creek	70	88	18	1484	746	240	298	200	15441.000 0	9.6107765
OR_SR_1709000405_02_1038 68	OR_SR_1709000405_02_1038 68; McKenzie River	44	61	17	13223	5948	2600	4173	502	14489.852 9	91.2569653
OR_SR_1709000405_02_1038 69	OR_SR_1709000405_02_1038 69; McKenzie River	15	28	13	3547	2101	835	611	0	4496.8891	78.8767502
OR_SR_1709000406_02_1038 70	OR_SR_1709000406_02_1038 70; Mohawk River	53	90	37	3245	239	959	925	1121	3249.0000	99.8768852
OR_SR_1709000406_02_1038 71	OR_SR_1709000406_02_1038 71; Mohawk River	25	67	42	19491	2551	2147	7160	7633	22138.000 0	88.0431837
OR_SR_1709000406_02_1038 72	OR_SR_1709000406_02_1038 72; Shotgun Creek	87	96	9	5220	4340	275	205	400	8162.6070	63.9501573
OR_SR_1709000406_02_1038 74	OR_SR_1709000406_02_1038 74; Mill Creek	65	96	31	5536	1862	415	2067	1193	9653.2699	57.3484433
OR_SR_1709000406_02_1038 75	OR_SR_1709000406_02_1038 75; Cartwright Creek	79	97	18	3375	1559	436	1181	200	3854.0000	87.5713544
OR_SR_1709000406_02_1038 76	OR_SR_1709000406_02_1038 76; Parsons Creek	71	95	24	6493	4087	172	1200	1034	8565.0226	75.8083227
OR_SR_1709000406_02_1038 77	OR_SR_1709000406_02_1038 77; Mohawk River	71	95	24	6219	2920	1098	1379	823	19011.260 6	32.7121916
OR_SR_1709000406_02_1038 79	OR_SR_1709000406_02_1038 79; McGowan Creek	72	89	17	5679	3390	209	988	1092	8511.7244	66.7197358
OR_SR_1709000407_02_1038 80	OR_SR_1709000407_02_1038 80; South Fork Gate Creek	78	95	17	144	0	144	0	0	10698.540 0	1.3459781

OR_SR_1709000407_02_1038 82	OR_SR_1709000407_02_1038 82; Deer Creek	74	97	23	1766	966	0	661	140	4361.0000	40.4952992
OR_SR_1709000407_02_1038 83	OR_SR_1709000407_02_1038 83; Marten Creek	60	76	16	509	478	24	0	7	710.8382	71.6056029
OR_SR_1709000407_02_1038 84	OR_SR_1709000407_02_1038 84; McKenzie River	19	35	16	108309	66694	10564	17621	13429	136198.88 45	79.5226777
OR_SR_1709000407_02_1038 85	OR_SR_1709000407_02_1038 85; Bear Creek	88	95	7	2603	2256	281	66	0	3606.0000	72.1852468
OR_SR_1709000407_02_1038 88	OR_SR_1709000407_02_1038 88; North Fork Gate Creek	64	93	29	4228	1693	408	1610	516	8117.0418	52.0879420
OR_SR_1709000407_02_1038 89	OR_SR_1709000407_02_1038 89; Camp Creek	52	89	37	9537	2102	1475	2433	3526	12136.484 8	78.5812377
OR_SR_1709000407_02_1038 91	OR_SR_1709000407_02_1038 91; Cedar Creek	47	92	45	18085	4429	1679	3372	8605	20334.539 8	88.9373459
OR_SR_1709000504_02_1039 11	OR_SR_1709000504_02_1039 11; Mad Creek	84	95	11	3187	2395	87	665	40	5754.5654	55.3821142
OR_SR_1709000504_02_1039 12	OR_SR_1709000504_02_1039 12; tributary to North Santiam River	68	90	22	491	393	18	0	80	765.0000	64.1830065
OR_SR_1709000504_02_1039 13	OR_SR_1709000504_02_1039 13; tributary to North Santiam River	38	86	48	364	0	0	157	207	364.0000	100.000000 0
OR_SR_1709000504_02_1039 14	OR_SR_1709000504_02_1039 14; Turnridge Creek	49	92	43	1051	307	111	0	633	1678.0000	62.6340882
OR_SR_1709000504_02_1039 15	OR_SR_1709000504_02_1039 15; Rock Creek	89	98	9	612	357	256	0	0	1688.0000	36.2559242
OR_SR_1709000504_02_1039 16	OR_SR_1709000504_02_1039 16; Snake Creek	67	94	27	2974	1587	200	496	691	3593.7308	82.7552236
OR_SR_1709000504_02_1039 17	OR_SR_1709000504_02_1039 17; East Rock Creek	91	98	7	2342	1984	255	103	0	4301.0000	54.4524529
OR_SR_1709000504_02_1039 18	OR_SR_1709000504_02_1039 18; Rock Creek	74	96	22	5490	1992	749	2164	585	9950.9762	55.1704668
OR_SR_1709000505_02_1039 19	OR_SR_1709000505_02_1039 19; Opal Creek	80	98	18	2638	1114	989	535	0	4188.4290	62.9830425
OR_SR_1709000505_02_1039 20	OR_SR_1709000505_02_1039 20; Cedar Creek	80	95	15	2120	1364	613	144	0	3151.3144	67.2735150
OR_SR_1709000505_02_1039 21	OR_SR_1709000505_02_1039 21; Evans Creek	73	96	23	2664	1294	643	629	99	4363.5263	61.0515400

OR_SR_1709000505_02_1039 22	OR_SR_1709000505_02_1039 22; Battle Ax Creek	81	98	17	3777	2120	440	1016	200	3955.3685	95.4904698
OR_SR_1709000505_02_1039 23	OR_SR_1709000505_02_1039 23; Elkhorn Creek	79	96	17	4475	2777	814	336	549	6211.7954	72.0403637
OR_SR_1709000505_02_1039 24	OR_SR_1709000505_02_1039 24; Gold Creek	78	96	18	1294	454	573	267	0	1477.9970	87.5509237
OR_SR_1709000505_02_1045 64	OR_SR_1709000505_02_1045 64; Little North Santiam River	48	65	17	35374	16680	4971	10914	2810	43926.577 9	80.5298334
OR_SR_1709000506_02_1039 26	OR_SR_1709000506_02_1039 26; Chehulpum Creek	25	81	56	15249	3117	980	1864	9287	17341.256 0	87.9348072
OR_SR_1709000506_02_1039 28	OR_SR_1709000506_02_1039 28; Bear Branch	42	91	49	5765	522	572	1386	3285	6451.0000	89.3659898
OR_SR_1709000506_02_1039 29	OR_SR_1709000506_02_1039 29; Stout Creek	59	92	33	4719	1709	267	1087	1656	6257.6715	75.4114372
OR_SR_1709000506_02_1039 31	OR_SR_1709000506_02_1039 31;	26	90	64	3677	600	0	399	2678	3917.1196	93.8699964
OR_SR_1709000601_02_1039 38	OR_SR_1709000601_02_1039 38; Middle Santiam River	26	72	46	843	0	200	261	382	9032.0000	9.3334810
OR_SR_1709000602_02_1039 42	OR_SR_1709000602_02_1039 42; Trout Creek	95	98	3	1837	1837	0	0	0	2491.0000	73.7454837
OR_SR_1709000602_02_1039 46	OR_SR_1709000602_02_1039 46; Keith Creek	83	98	15	1272	652	272	156	191	1895.0000	67.1240106
OR_SR_1709000602_02_1039 47	OR_SR_1709000602_02_1039 47; Soda Fork	87	98	11	2211	1411	600	200	0	5003.0000	44.1934839
OR_SR_1709000602_02_1039 49	OR_SR_1709000602_02_1039 49; Canyon Creek	67	97	30	1821	252	169	1301	100	14833.000 0	12.2766804
OR_SR_1709000602_02_1039 50	OR_SR_1709000602_02_1039 50; South Santiam River	65	97	32	11512	3381	1327	3987	2818	29235.359 8	39.3769739
OR_SR_1709000602_02_1039 52	OR_SR_1709000602_02_1039 52; Snow Creek	96	97	1	276	276	0	0	0	2230.1270	12.3759768
OR_SR_1709000602_02_1039 53	OR_SR_1709000602_02_1039 53; Sheep Creek	69	98	29	1975	697	447	354	478	3879.0000	50.9151843
OR_SR_1709000602_02_1039 54	OR_SR_1709000602_02_1039 54; Moose Creek	76	97	21	948	577	0	130	240	7499.0000	12.6416856
OR_SR_1709000603_02_1039 56	OR_SR_1709000603_02_1039 56; Moose Creek	91	98	7	2492	2292	34	165	0	5331.0000	46.7454511

OR_SR_1709000603_02_1039 57	OR_SR_1709000603_02_1039 57; Quartzville Creek	49	81	32	489	67	52	370	0	18479.450 1	2.6461826
OR_SR_1709000603_02_1039 58	OR_SR_1709000603_02_1039 58; Whitcomb Creek	94	98	4	525	525	0	0	0	1290.0000	40.6976744
OR_SR_1709000603_02_1039 60	OR_SR_1709000603_02_1039 60; Quartzville Creek	40	70	30	8885	3036	1266	2579	2004	18574.080 9	47.8354758
OR_SR_1709000603_02_1039 62	OR_SR_1709000603_02_1039 62; Packers Gulch	79	97	18	2451	1243	690	312	207	4168.0000	58.8051823
OR_SR_1709000603_02_1039 63	OR_SR_1709000603_02_1039 63; Yellowstone Creek	77	96	19	1538	975	0	563	0	2492.0000	61.7174960
OR_SR_1709000603_02_1039 64	OR_SR_1709000603_02_1039 64; Tally Creek	83	97	14	1409	1196	0	186	27	3729.0000	37.7849289
OR_SR_1709000603_02_1039 65	OR_SR_1709000603_02_1039 65; Middle Santiam River	48	87	39	1644	18	542	674	410	2036.9404	80.7092822
OR_SR_1709000603_02_1039 66	OR_SR_1709000603_02_1039 66; Rumbaugh Creek	93	98	5	999	999	0	0	0	1332.0000	75.0000000
OR_SR_1709000604_02_1039 67	OR_SR_1709000604_02_1039 67; Shot Pouch Creek	77	96	19	1171	384	142	645	0	1731.0000	67.6487579
OR_SR_1709000604_02_1039 68	OR_SR_1709000604_02_1039 68; South Santiam River	36	71	35	12079	1406	2575	5375	2723	17263.000 0	69.9704570
OR_SR_1709000604_02_1039 69	OR_SR_1709000604_02_1039 69; Middle Santiam River	37	73	36	2425	400	352	1198	475	5867.0000	41.3328788
OR_SR_1709000605_02_1039 70	OR_SR_1709000605_02_1039 70; Little Wiley Creek	90	97	7	1637	1542	0	95	0	2645.0000	61.8903592
OR_SR_1709000605_02_1039 71	OR_SR_1709000605_02_1039 71; Wiley Creek	43	91	48	6036	477	265	2358	2936	8155.4374	74.0119715
OR_SR_1709000605_02_1039 72	OR_SR_1709000605_02_1039 72; Wiley Creek	66	97	31	3186	670	677	1261	578	17123.049 4	18.6064989
OR_SR_1709000606_02_1039 73	OR_SR_1709000606_02_1039 73; Beaver Creek	50	88	38	14571	3677	1550	4517	4827	20221.607 8	72.0565851
OR_SR_1709000606_02_1039 74	OR_SR_1709000606_02_1039 74; Roaring River	67	91	24	2540	1521	68	733	218	3754.0000	67.6611614
OR_SR_1709000606_02_1039 75	OR_SR_1709000606_02_1039 75; Crabtree Creek	68	97	29	969	200	342	427	0	1377.2465	70.3577744
OR_SR_1709000606_02_1039 76	OR_SR_1709000606_02_1039 76; White Rock Creek	82	98	16	1450	1025	200	225	0	1798.9367	80.6031714

OR_SR_1709000606_02_1039 77	OR_SR_1709000606_02_1039 77; Bald Peter Creek	88	98	10	1725	1137	545	43	0	3194.0000	54.0075141
OR_SR_1709000606_02_1039 78	OR_SR_1709000606_02_1039 78; Crabtree Creek	41	60	19	42805	18247	6737	14506	3316	55118.000 0	77.6606553
OR_SR_1709000606_02_1039 79	OR_SR_1709000606_02_1039 79; Rock Creek	78	97	19	457	257	0	0	200	713.0000	64.0953717
OR_SR_1709000606_02_1039 80	OR_SR_1709000606_02_1039 80; tributary to Crabtree Creek	44	75	31	835	400	0	0	435	847.0000	98.5832349
OR_SR_1709000607_02_1039 81	OR_SR_1709000607_02_1039 81; Thomas Creek	81	98	17	2428	1486	400	234	308	4979.0000	48.7648122
OR_SR_1709000607_02_1039 82	OR_SR_1709000607_02_1039 82; Hall Creek	88	98	10	1771	1366	134	71	200	3223.0000	54.9488055
OR_SR_1709000607_02_1039 83	OR_SR_1709000607_02_1039 83; Devils Den	91	95	4	1795	1784	11	0	0	2145.0000	83.6829837
OR_SR_1709000607_02_1039 84	OR_SR_1709000607_02_1039 84; Ella Creek	89	97	8	604	425	179	0	0	1074.0000	56.2383613
OR_SR_1709000607_02_1039 85	OR_SR_1709000607_02_1039 85; South Fork Neal Creek	72	91	19	4433	2481	826	588	539	7009.0000	63.2472535
OR_SR_1709000607_02_1039 86	OR_SR_1709000607_02_1039 86; Bilyeu Creek	64	87	23	693	484	0	9	200	747.0000	92.7710843
OR_SR_1709000607_02_1039 87	OR_SR_1709000607_02_1039 87; Jordan Creek	49	80	31	957	0	354	403	200	1143.1494	83.7160880
OR_SR_1709000607_02_1039 88	OR_SR_1709000607_02_1039 88; Thomas Creek	36	50	14	24432	13699	3294	2983	4456	28488.000 0	85.7624263
OR_SR_1709000607_02_1039 89	OR_SR_1709000607_02_1039 89; Bilyeu Creek	79	92	13	6262	4193	659	1356	54	8855.0000	70.7171090
OR_SR_1709000607_02_1039 90	OR_SR_1709000607_02_1039 90; tributary to Thomas Creek	96	99	3	67	67	0	0	0	267.0000	25.0936330
OR_SR_1709000607_02_1039 91	OR_SR_1709000607_02_1039 91; Thomas Creek	52	72	20	18037	7934	3464	4779	1861	31439.291 9	57.3708850
OR_SR_1709000607_02_1039 92	OR_SR_1709000607_02_1039 92; tributary to Thomas Creek	90	98	8	435	395	0	40	0	1178.0000	36.9269949
OR_SR_1709000608_02_1039 93	OR_SR_1709000608_02_1039 93; Hamilton Creek	87	96	9	3597	2719	593	285	0	5384.0000	66.8090639
OR_SR_1709000608_02_1039 94	OR_SR_1709000608_02_1039 94; McDowell Creek	49	90	41	6314	1299	782	1545	2688	7725.9040	81.7250645

OR_SR_1709000608_02_1039 95	OR_SR_1709000608_02_1039 95; Spring Branch	34	79	45	2736	499	260	745	1231	3042.0000	89.9408284
OR_SR_1709000608_02_1039 96	OR_SR_1709000608_02_1039 96; Hamilton Creek	49	84	35	14177	3464	1910	4367	4436	17971.260 9	78.8870636
OR_SR_1709000608_02_1039 97	OR_SR_1709000608_02_1039 97; Scott Creek	82	86	4	694	494	200	0	0	693.0000	100.144300 1
OR_SR_1709000608_02_1039 98	OR_SR_1709000608_02_1039 98; Noble Creek	33	64	31	6794	2023	794	2074	1902	7612.0000	89.2538098
OR_WS_170900010103_02_1 04187	OR_WS_170900010103_02_10 4187;	88	97	9	5962	4962	722	200	77	67506.528 5	8.8317384
OR_WS_170900010103_02_1 04187	OR_WS_170900010103_02_10 4187; Found Creek	93	97	4	1025	1025	0	0	0	2918.0000	35.1267992
OR_WS_170900010103_02_1 04187	OR_WS_170900010103_02_10 4187; Skunk Creek	90	97	7	670	470	200	0	0	2705.0000	24.7689464
OR_WS_170900010104_02_1 04188	OR_WS_170900010104_02_10 4188;	93	97	4	1462	1462	0	0	0	92668.481 2	1.5776669
OR_WS_170900010104_02_1 04188	OR_WS_170900010104_02_10 4188; Chako Creek	87	98	11	200	200	0	0	0	1655.0000	12.0845921
OR_WS_170900010105_02_1 04189	OR_WS_170900010105_02_10 4189;	84	97	13	31149	21689	3498	4208	1754	164412.70 38	18.9456163
OR_WS_170900010105_02_1 04189	OR_WS_170900010105_02_10 4189; Dome Creek	67	96	29	400	200	0	0	200	3389.3898	11.8015344
OR_WS_170900010105_02_1 04189	OR_WS_170900010105_02_10 4189; Little Dome Creek	57	99	42	200	0	0	200	0	2570.1582	7.7816221
OR_WS_170900010105_02_1 04189	OR_WS_170900010105_02_10 4189; Millie Creek	80	98	18	600	400	0	200	0	2940.0000	20.4081633
OR_WS_170900010105_02_1 04189	OR_WS_170900010105_02_10 4189; Spider Creek	83	98	15	2971	1430	1186	355	0	6067.0000	48.9698368
OR_WS_170900010105_02_1 04189	OR_WS_170900010105_02_10 4189; Staley Creek	69	97	28	7860	3121	1145	2902	692	14360.000 0	54.7353760
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190;	74	97	23	59845	32991	7590	10450	8813	121658.18 10	49.1911021
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; Echo Creek	82	97	15	3104	2201	390	492	22	9109.0000	34.0761884
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; Mac Creek	94	98	4	2298	2298	0	0	0	3069.0000	74.8778104

OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; Maple Creek	80	94	14	2114	1504	200	400	10	2993.0000	70.6314734
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; Noisy Creek	79	98	19	3485	1914	600	800	170	9309.0000	37.4368890
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; North Fork Simpson Creek	82	98	16	3252	1786	400	1066	0	3773.0000	86.1913597
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; Simpson Creek	86	97	11	7252	5435	1400	418	0	8050.5254	90.0810769
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; South Fork Simpson Creek	89	98	9	2734	2134	400	200	0	3890.0000	70.2827763
OR_WS_170900010106_02_1 04190	OR_WS_170900010106_02_10 4190; Staley Creek	17	52	35	28	0	0	28	0	28.0000	100.000000 0
OR_WS_170900010202_02_1 04192	OR_WS_170900010202_02_10 4192;	76	97	21	20330	13216	700	2938	3477	115529.51 64	17.5972346
OR_WS_170900010202_02_1 04192	OR_WS_170900010202_02_10 4192; Shady Creek	90	99	9	1079	879	0	200	0	2115.0000	51.0165485
OR_WS_170900010202_02_1 04192	OR_WS_170900010202_02_10 4192; Tufti Creek	38	99	61	187	0	0	0	187	2930.0000	6.3822526
OR_WS_170900010303_02_1 04195	OR_WS_170900010303_02_10 4195;	82	92	10	29618	23011	2218	3190	1198	184115.72 78	16.0866214
OR_WS_170900010303_02_1 04195	OR_WS_170900010303_02_10 4195; Tumble Creek	92	98	6	1145	945	0	200	0	1356.0000	84.4395280
OR_WS_170900010403_02_1 04198	OR_WS_170900010403_02_10 4198;	71	93	22	20610	13033	877	2735	3965	279051.41 70	7.3857357
OR_WS_170900010403_02_1 04198	OR_WS_170900010403_02_10 4198; Flat Creek	76	92	16	4152	2190	584	979	400	6654.0000	62.3985573
OR_WS_170900010501_02_1 04199	OR_WS_170900010501_02_10 4199;	86	98	12	16457	12736	1167	1832	721	85359.772 9	19.2795733
OR_WS_170900010501_02_1 04199	OR_WS_170900010501_02_10 4199; Coal Creek	78	97	19	5546	3283	521	1542	200	15231.375 9	36.4116810
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200;	82	95	13	56834	42909	4791	5351	3783	245120.67 69	23.1861305
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Bills Creek	75	95	20	1996	1058	0	738	200	2219.0000	89.9504281
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Bohemia Creek	91	94	3	1438	1438	0	0	0	6950.0000	20.6906475

OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Boulder Creek	88	94	6	2156	1956	0	0	200	3658.0000	58.9393111
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Buck Creek	81	96	15	2800	1537	863	200	200	7057.0000	39.6769165
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Butcherknife Creek	80	84	4	798	598	200	0	0	813.6611	98.0752270
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Coal Creek	33	88	55	12	0	0	0	12	12.0000	100.000000 0
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Cone Creek	82	93	11	1875	1257	400	218	0	2270.0000	82.5991189
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Deadhorse Creek	88	94	6	3951	3108	844	0	0	4995.0000	79.0990991
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Dry Creek	83	92	9	2259	1814	200	45	200	2258.0000	100.044287 0
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Emile Creek	83	97	14	1594	800	394	400	0	1590.0000	100.251572 3
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Estep Creek	95	98	3	1024	1024	0	0	0	4741.0000	21.5988188
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Fir Creek	88	92	4	1762	1746	0	16	0	3180.3628	55.4024843
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Gold Creek	77	91	14	1788	1368	200	20	200	8889.5216	20.1135684
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Gravel Creek	94	84	-10	820	820	0	0	0	822.0464	99.7510615
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Indian Creek	73	95	22	2103	1030	476	295	301	7869.1201	26.7247161
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Jims Creek	66	90	24	1098	484	200	400	14	1099.0000	99.9090082
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Noon Creek	92	98	6	741	741	0	0	0	1845.0000	40.1626016
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Pine Creek	92	98	6	2849	2649	200	0	0	5111.0000	55.7425161
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Snake Creek	85	88	3	1826	1566	0	260	0	6611.1275	27.6200998
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Spring Butte Creek	83	94	11	1652	1105	347	200	0	4008.0000	41.2175649

OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; What Creek	70	93	23	1148	800	0	148	200	1363.0000	84.2259721
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Windfall Creek	80	91	11	1650	1228	200	22	200	7798.6336	21.1575526
OR_WS_170900010502_02_1 04200	OR_WS_170900010502_02_10 4200; Youngs Creek	89	95	6	4601	4013	200	217	171	6080.9986	75.6619158
OR_WS_170900010503_02_1 04201	OR_WS_170900010503_02_10 4201;	86	98	12	47607	36938	2730	5980	1959	218134.26 82	21.8246314
OR_WS_170900010503_02_1 04201	OR_WS_170900010503_02_10 4201; Big Willow Creek	90	98	8	2127	1727	0	400	0	6603.0426	32.2124229
OR_WS_170900010503_02_1 04201	OR_WS_170900010503_02_10 4201; Bull Creek	87	98	11	997	597	200	200	0	2637.0000	37.8081153
OR_WS_170900010503_02_1 04201	OR_WS_170900010503_02_10 4201; Coffeepot Creek	89	98	9	1579	1219	0	359	0	8567.1263	18.4309176
OR_WS_170900010503_02_1 04201	OR_WS_170900010503_02_10 4201; Little Willow Creek	97	98	1	328	328	0	0	0	710.0000	46.1971831
OR_WS_170900010503_02_1 04201	OR_WS_170900010503_02_10 4201; Snow Creek	91	98	7	1184	1137	47	0	0	2935.0000	40.3407155
OR_WS_170900010503_02_1 04201	OR_WS_170900010503_02_10 4201; Stony Creek	93	98	5	2031	1745	286	0	0	3048.0000	66.6338583
OR_WS_170900010504_02_1 04581	OR_WS_170900010504_02_10 4581;	82	97	15	22224	15462	2604	1976	2182	89106.646 3	24.9409005
OR_WS_170900010504_02_1 04581	OR_WS_170900010504_02_10 4581; Larison Creek	86	97	11	1009	708	200	101	0	9026.0000	11.1788168
OR_WS_170900010504_02_1 04581	OR_WS_170900010504_02_10 4581; Modoc Creek	75	98	23	439	200	0	239	0	682.0000	64.3695015
OR_WS_170900010504_02_1 04581	OR_WS_170900010504_02_10 4581; Way Creek	96	98	2	760	760	0	0	0	959.0527	79.2448657
OR_WS_170900010505_02_1 04202	OR_WS_170900010505_02_10 4202;	85	95	10	36110	30740	600	1620	3151	72383.583 2	49.8870026
OR_WS_170900010505_02_1 04202	OR_WS_170900010505_02_10 4202; Chilly Creek	83	97	14	1656	1256	0	200	200	1862.0000	88.9366273
OR_WS_170900010505_02_1 04202	OR_WS_170900010505_02_10 4202; Gray Creek	77	93	16	2475	1925	137	200	213	7946.0000	31.1477473
OR_WS_170900010505_02_1 04202	OR_WS_170900010505_02_10 4202; Shortridge Creek	86	92	6	2040	1851	189	0	0	3659.0000	55.7529380

OR_WS_170900010505_02_1 04202	OR_WS_170900010505_02_10 4202; Spot Creek	95	96	1	1782	1782	0	0	0	2174.0000	81.9687213
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210;	81	92	11	52607	40392	4020	5418	2777	157957.12 83	33.3046065
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210; Dartmouth Creek	89	95	6	1271	1068	204	0	0	5542.0000	22.9339589
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210; First Creek	68	92	24	2993	1647	297	249	800	4973.0000	60.1849990
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210; Huckleberry Creek	88	95	7	759	644	0	115	0	8579.1624	8.8470175
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210; Leapfrog Creek	80	94	14	1080	768	111	200	0	1961.0000	55.0739419
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210; McLane Creek	57	94	37	4158	1795	200	1004	1159	4550.7125	91.3703076
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210; Second Creek	46	96	50	865	180	0	246	439	2697.0000	32.0726733
OR_WS_170900010608_02_1 04210	OR_WS_170900010608_02_10 4210; Short Creek	87	93	6	1261	1128	123	11	0	4913.0000	25.6665988
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211;	89	96	7	88049	76104	3690	6697	1558	240354.01 94	36.6330466
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Bridge Creek	92	97	5	3677	3397	0	200	80	4644.0000	79.1774332
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Buckhead Creek	66	93	27	4195	2057	498	635	1005	5589.0000	75.0581499
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Burnt Bridge Creek	81	98	17	1695	1190	105	200	200	3156.0000	53.7072243
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Cloverpatch Creek	69	98	29	443	222	0	21	200	1291.0000	34.3144849
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Deception Creek	96	98	2	1252	1252	0	0	0	5320.8443	23.5301003
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Dell Creek	84	92	8	1480	1259	22	200	0	2281.0000	64.8838229
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Sweeney Creek	89	97	8	131	131	0	0	0	414.0000	31.6425121
OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Tire Creek	94	98	4	1329	1325	4	0	0	3074.0000	43.2335719

OR_WS_170900010701_02_1 04211	OR_WS_170900010701_02_10 4211; Whitehead Creek	96	97	1	2767	2767	0	0	0	3381.0000	81.8396924
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212;	80	97	17	335813	24312 8	14911	24397	53377	455333.81 99	73.7509461
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Anthony Creek	88	95	7	5623	4801	421	200	200	7320.5889	76.8107603
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Carr Creek	79	97	18	5093	3279	260	400	1153	6900.4257	73.8070407
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Castle Creek	63	93	30	412	0	0	412	0	613.0000	67.2104405
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Dexter Creek	90	97	7	2955	2713	200	0	43	4225.5775	69.9312699
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Eagle Creek	96	98	2	1662	1662	0	0	0	3011.0000	55.1976088
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; East Gosage Creek	95	98	3	2881	2881	0	0	0	4362.3792	66.0419426
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Gosage Creek	95	98	3	2807	2807	0	0	0	3857.5597	72.7662093
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Guiley Creek	87	97	10	6528	4846	809	855	19	8349.4130	78.1851373
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Lost Creek	91	97	6	2718	2274	243	200	0	4637.0000	58.6154841
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Middle Creek	88	97	9	5579	5076	0	219	285	6763.0788	82.4920157
OR_WS_170900010702_02_1 04212	OR_WS_170900010702_02_10 4212; Wagner Creek	68	94	26	4103	2272	109	690	1033	4958.9915	82.7385978
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213;	85	97	12	303797	24278 3	15907	17538	27569	425274.73 39	71.4354688
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Armet Creek	91	98	7	2489	2061	429	0	0	3589.0000	69.3507941
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Bannister Creek	79	98	19	956	591	85	81	200	2127.0000	44.9459332
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Cabin Creek	94	97	3	875	875	0	0	0	1071.9605	81.6261443
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Cain Creek	89	98	9	2408	2008	0	400	0	2910.0000	82.7491409

OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Carpet Hill Creek	94	97	3	1948	1748	200	0	0	2153.0000	90.4784022
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Crale Creek	88	98	10	1347	1142	0	205	0	2850.0000	47.2631579
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Disgust Creek	47	96	49	722	0	0	335	387	1120.8893	64.4131405
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Duval Creek	95	98	3	4621	4621	0	0	0	6298.0000	73.3724992
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; East Fork Minnow Creek	88	97	9	2921	2543	99	278	0	3329.0000	87.7440673
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Fern Creek	86	98	12	564	210	154	200	0	1316.0000	42.8571429
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Goodman Creek	90	98	8	3201	2633	361	207	0	4773.0000	67.0647392
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Harper Creek	92	98	6	1167	1136	0	31	0	1898.6468	61.4648295
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Hazel Creek	97	98	1	1380	1380	0	0	0	1883.0000	73.2873075
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Hospital Creek	96	98	2	1559	1559	0	0	0	2312.0000	67.4307958
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Minnow Creek	88	97	9	2526	2056	200	270	0	3937.0000	64.1605283
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Noisy Creek	38	97	59	1605	179	0	0	1426	2805.0000	57.2192513
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; North Creek	92	98	6	3094	2910	123	61	0	4157.8297	74.4138227
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Rhodes Creek	85	97	12	798	417	0	381	0	1114.0000	71.6337522
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Rock Creek	95	98	3	2108	2108	0	0	0	3000.0000	70.2666667
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Rolling Riffle Creek	91	97	6	2778	2378	200	200	0	4736.0000	58.6570946
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; School Creek	94	98	4	1609	1451	157	0	0	2817.0000	57.1175009
OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; Schweitzer Creek	96	98	2	4328	4328	0	0	0	5771.2125	74.9929061

OR_WS_170900010703_02_1 04213	OR_WS_170900010703_02_10 4213; South Creek	94	98	4	3918	3467	400	52	0	5149.0000	76.0924451
OR_WS_170900010802_02_1 04215	OR_WS_170900010802_02_10 4215;	56	95	39	10046	2797	1446	1719	4083	191315.37 79	5.2510154
OR_WS_170900010904_02_1 04219	OR_WS_170900010904_02_10 4219;	77	96	19	18433	11593	1693	1733	3414	273026.69 81	6.7513544
OR_WS_170900010904_02_1 04219	OR_WS_170900010904_02_10 4219; Hyde Creek	13	93	80	500	0	0	0	500	509.0000	98.2318271
OR_WS_170900010904_02_1 04219	OR_WS_170900010904_02_10 4219; Little Gold Creek	88	97	9	2404	1932	200	200	72	3770.0000	63.7665782
OR_WS_170900010904_02_1 04219	OR_WS_170900010904_02_10 4219; North Fork Fall Creek	80	96	16	955	453	302	0	200	10823.000 0	8.8238012
OR_WS_170900010904_02_1 04219	OR_WS_170900010904_02_10 4219; Station Creek	79	94	15	2244	1545	209	200	290	2314.0000	96.9749352
OR_WS_170900010905_02_1 04220	OR_WS_170900010905_02_10 4220;	76	97	21	70425	44210	4388	7864	13964	465234.75 69	15.1375191
OR_WS_170900010905_02_1 04220	OR_WS_170900010905_02_10 4220; Alder Creek	88	97	9	2869	2498	200	0	170	3668.0000	78.2170120
OR_WS_170900010905_02_1 04220	OR_WS_170900010905_02_10 4220; Nelson Creek	84	97	13	2915	2342	0	173	400	3914.0000	74.4762391
OR_WS_170900010906_02_1 04221	OR_WS_170900010906_02_10 4221;	57	94	37	100712	37718	8598	18423	35972	140216.94 48	71.8258411
OR_WS_170900010906_02_1 04221	OR_WS_170900010906_02_10 4221; Murphy Creek	79	97	18	1367	992	136	62	176	1570.2444	87.0565139
OR_WS_170900010906_02_1 04221	OR_WS_170900010906_02_10 4221; Small Creek	52	92	40	1689	800	200	412	277	2188.0000	77.1937843
OR_WS_170900010906_02_1 04221	OR_WS_170900010906_02_10 4221; Timber Creek	93	98	5	1351	1151	200	0	0	1839.0000	73.4638390
OR_WS_170900011001_02_1 04222	OR_WS_170900011001_02_10 4222;	50	90	40	5714	2051	508	384	2771	150021.46 27	3.8087884
OR_WS_170900011001_02_1 04222	OR_WS_170900011001_02_10 4222; Cedar Creek	94	96	2	45	45	0	0	0	3934.5324	1.1437191
OR_WS_170900011002_02_1 04601	OR_WS_170900011002_02_10 4601;	51	93	42	57055	20517	3309	7804	25425	70565.080 9	80.8544386
OR_WS_170900011002_02_1 04601	OR_WS_170900011002_02_10 4601; Alder Creek	21	82	61	1106	61	0	0	1046	1110.0000	99.6396396

OR_WS_170900011002_02_1 04601	OR_WS_170900011002_02_10 4601; Rattlesnake Creek	52	92	40	10273	2672	709	2817	4075	12269.127 5	83.7304856
OR_WS_170900011003_02_1 04223	OR_WS_170900011003_02_10 4223;	47	91	44	63136	18794	5272	10685	28386	75850.947 0	83.2369304
OR_WS_170900011003_02_1 04223	OR_WS_170900011003_02_10 4223; Pudding Creek	48	78	30	5348	2480	623	531	1713	5901.0000	90.6287070
OR_WS_170900011003_02_1 04223	OR_WS_170900011003_02_10 4223; Wallace Creek	70	92	22	4254	2874	227	307	846	4917.1839	86.5129324
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224;	88	98	10	198740	16632 3	10647	10346	11424	280210.00 00	70.9253774
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Bark Shanty Creek	85	96	11	2281	1859	400	0	22	2482.0000	91.9016922
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Big Dry Creek	91	98	7	3363	3138	0	226	0	4815.0000	69.8442368
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Broken Leg Creek	88	98	10	1760	1487	181	0	93	2724.0000	64.6108664
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Brownie Creek	94	96	2	1010	1010	0	0	0	1693.0000	59.6574129
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Cove Creek	95	99	4	2020	2020	0	0	0	2724.0000	74.1556535
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Dahl Creek	95	97	2	3522	3322	0	200	0	4710.0000	74.7770701
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; East Fork Mosby Creek	83	98	15	928	779	0	48	101	2172.0000	42.7255985
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Gray Creek	96	98	2	1628	1628	0	0	0	2825.0000	57.6283186
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Lilly Creek	95	98	3	2644	2644	0	0	0	4487.0000	58.9257856
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Little Dry Creek	91	98	7	1207	1024	0	183	0	2019.0000	59.7820703
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Middle Fork Dahl Creek	92	98	6	1619	1291	328	0	0	2195.0000	73.7585421
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Middle Fork Mosby Creek	94	99	5	879	879	0	0	0	1601.0000	54.9031855
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Miles Creek	96	98	2	2656	2656	0	0	0	3404.0000	78.0258519

OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; North Fork Brownie Creek	91	97	6	629	455	174	0	0	1865.0000	33.7265416
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; North Fork Dahl Creek	95	98	3	630	630	0	0	0	832.0000	75.7211538
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Norwegian Creek	94	98	4	2575	2346	229	0	0	3477.0000	74.0580961
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Shea Creek	96	97	1	2443	2443	0	0	0	3035.0000	80.4942339
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; South Fork Brownie Creek	90	98	8	1625	1211	390	24	0	2033.0000	79.9311363
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Table Rock Creek	96	98	2	2298	2298	0	0	0	3250.0000	70.7076923
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Tom Creek	71	97	26	1098	818	0	16	264	2276.0000	48.2425308
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; Tones Creek	97	98	1	387	387	0	0	0	615.0000	62.9268293
OR_WS_170900020101_02_1 04224	OR_WS_170900020101_02_10 4224; West Fork Mosby Creek	95	98	3	2600	2600	0	0	0	4464.0000	58.2437276
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225;	75	97	22	94629	64164	3623	5907	20935	125630.00 00	75.3235692
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Allen Creek	91	95	4	2581	2440	0	141	0	3184.0000	81.0615578
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Cedar Creek	93	96	3	3155	2955	0	200	0	4196.0000	75.1906578
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Clearing Creek	83	98	15	2255	1734	0	7	513	3283.0000	68.6871764
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Cow Creek	83	97	14	1682	1179	292	12	200	2578.0000	65.2443755
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Middle Fork Stell Creek	97	99	2	1020	1020	0	0	0	1219.0000	83.6751436
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; North Fork Rock Creek	86	98	12	1095	890	0	205	0	1291.0000	84.8179706
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; North Fork Stell Creek	96	98	2	1855	1855	0	0	0	2869.0000	64.6566748
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Palmer Creek	92	97	5	3304	3262	0	0	41	4645.0000	71.1302476

OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Rock Creek	96	95	-1	1109	1109	0	0	0	1657.0000	66.9281835
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; South Fork Rock Creek	91	98	7	2912	2637	0	75	200	4742.0000	61.4086883
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; South Fork Stell Creek	95	98	3	1093	1093	0	0	0	2064.0000	52.9554264
OR_WS_170900020102_02_1 04225	OR_WS_170900020102_02_10 4225; Stell Creek	83	95	12	1304	904	0	200	200	1663.0000	78.4125075
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226;	74	97	23	120815	78870	7935	8754	25256	160296.02 58	75.3699285
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Blue Creek	82	96	14	2643	2236	0	0	406	2847.0000	92.8345627
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Champion Creek	68	95	27	4041	2009	145	1153	734	4530.0000	89.2052980
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Fall Creek	96	98	2	614	614	0	0	0	813.0000	75.5227552
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Kennedy Creek	92	96	4	2376	2176	200	0	0	3189.0000	74.5061148
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Kizer Creek	77	97	20	4046	2401	200	845	600	4443.0000	91.0645960
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Lewis Creek	91	96	5	2282	2244	0	38	0	3509.0000	65.0327729
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Perkins Creek	87	96	9	4280	3965	180	0	136	5683.0000	75.3123350
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Short Creek	58	97	39	591	200	0	200	191	590.0000	100.169491 5
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Simpson Creek	91	98	7	1820	1620	0	0	200	2686.0000	67.7587491
OR_WS_170900020103_02_1 04226	OR_WS_170900020103_02_10 4226; Smith Creek	91	98	7	1661	1289	200	172	0	2197.6404	75.5810624
OR_WS_170900020201_02_1 04227	OR_WS_170900020201_02_10 4227;	66	96	30	50104	28332	2481	6231	13060	561239.31 44	8.9273860
OR_WS_170900020201_02_1 04227	OR_WS_170900020201_02_10 4227; East Fork Prather Creek	94	98	4	400	400	0	0	0	2747.1783	14.5603947
OR_WS_170900020201_02_1 04227	OR_WS_170900020201_02_10 4227; Pitcher Creek	79	96	17	1620	959	61	200	400	1982.0000	81.7356206

OR_WS_170900020201_02_1 04227	OR_WS_170900020201_02_10 4227; Prather Creek	95	98	3	1904	1904	0	0	0	4355.1659	43.7181973
OR_WS_170900020201_02_1 04227	OR_WS_170900020201_02_10 4227; West Fork Junetta Creek	54	98	44	812	359	92	0	361	3472.7130	23.3822949
OR_WS_170900020201_02_1 04227	OR_WS_170900020201_02_10 4227; West Fork Prather Creek	87	98	11	2871	2494	44	227	105	4077.4957	70.4108657
OR_WS_170900020202_02_1 04228	OR_WS_170900020202_02_10 4228;	60	98	38	32680	14360	1934	3903	12483	447680.11 33	7.2998552
OR_WS_170900020202_02_1 04228	OR_WS_170900020202_02_10 4228; Alder Creek	91	98	7	1497	1325	7	166	0	2279.0000	65.6867047
OR_WS_170900020202_02_1 04228	OR_WS_170900020202_02_10 4228; Wee Creek	92	98	6	1832	1632	0	200	0	2071.0000	88.4596813
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229;	87	98	11	227657	18721 5	12185	15283	12975	518644.98 43	43.8945728
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Boulder Creek	92	98	6	3080	2892	0	188	0	4470.0000	68.9038031
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Buck Creek	87	98	11	3072	2744	79	249	0	4501.0000	68.2514997
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Clark Creek	91	98	7	3056	2818	168	0	70	4288.0000	71.2686567
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Damewood Creek	93	98	5	2855	2855	0	0	0	3853.0000	74.0981054
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Lick Creek	95	98	3	2556	2426	130	0	0	3441.0000	74.2807323
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Pony Creek	93	97	4	1955	1955	0	0	0	2631.0000	74.3063474
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Quartz Creek	90	98	8	2155	1825	240	90	0	5018.0000	42.9453966
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Staples Creek	94	97	3	2158	2013	0	145	0	3055.0000	70.6382979
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Table Creek	94	98	4	4539	4334	5	0	200	5564.0000	81.5780014
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; Walker Creek	83	98	15	3221	2144	195	784	97	5816.4802	55.3771330
OR_WS_170900020203_02_1 04229	OR_WS_170900020203_02_10 4229; White Creek	88	99	11	200	200	0	0	0	3055.0000	6.5466448

OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230;	74	96	22	157449	10309 0	6787	12573	35000	204899.00 00	76.8422491
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Anderson Creek	83	97	14	2386	1105	800	482	0	2962.0000	80.5536799
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Culp Creek	90	98	8	1860	1460	400	0	0	2527.0000	73.6050653
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Gleason Creek	64	97	33	2096	899	22	570	605	3069.0000	68.2958618
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Hawley Creek	93	96	3	3120	2909	211	0	0	3546.0000	87.9864636
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Hunt Creek	73	93	20	1208	808	0	0	400	1481.0000	81.5665091
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; King Creek	88	98	10	4257	3530	200	326	200	5119.0000	83.1607736
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Pitcher Creek	90	96	6	2188	2172	16	0	0	2954.0000	74.0690589
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Sallee Creek	78	95	17	2870	2254	0	210	406	3901.0000	73.5708793
OR_WS_170900020204_02_1 04230	OR_WS_170900020204_02_10 4230; Spring Brook	63	96	33	2088	1050	66	200	772	2295.0000	90.9803922
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231;	69	96	27	275769	15890 1	17800	30550	68517	363994.04 75	75.7619532
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Baker Creek	86	97	11	742	505	200	36	0	942.9211	78.6916318
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Bluff Creek	74	97	23	929	400	71	257	200	1939.9480	47.8878808
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Carolina Creek	74	96	22	1889	989	100	400	400	2557.0000	73.8756355
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Dinner Creek	94	98	4	2051	2051	0	0	0	2602.0000	78.8239816
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Hamblen Creek	68	94	26	1819	1006	200	200	413	1972.6006	92.2132935
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Hanns Creek	82	97	15	2410	1627	276	507	0	3039.0000	79.3024021
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Harms Creek	93	98	5	2141	1881	65	195	0	2743.0000	78.0532264

OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; McCauley Creek	90	97	7	3594	3424	0	96	74	5709.0000	62.9532317
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Rat Creek	85	98	13	3948	3113	402	33	400	5359.6455	73.6615880
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Smith Creek	83	98	15	4256	3018	200	600	438	6074.8602	70.0592249
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Teeter Creek	86	98	12	3649	2759	581	193	116	7487.0000	48.7378122
OR_WS_170900020205_02_1 04231	OR_WS_170900020205_02_10 4231; Vaughn Creek	95	98	3	1378	1378	0	0	0	2636.1691	52.2728225
OR_WS_170900020301_02_1 04232	OR_WS_170900020301_02_10 4232;	90	98	8	152161	13243 6	7199	7078	5448	221129.65 95	68.8107603
OR_WS_170900020301_02_1 04232	OR_WS_170900020301_02_10 4232; Bar Creek	86	98	12	2070	885	986	200	0	2973.0000	69.6266398
OR_WS_170900020301_02_1 04232	OR_WS_170900020301_02_10 4232; Big River	95	99	4	2425	2425	0	0	0	3273.0000	74.0910480
OR_WS_170900020301_02_1 04232	OR_WS_170900020301_02_10 4232; Boulder Creek	90	98	8	4534	3455	592	486	0	7570.0000	59.8943197
OR_WS_170900020301_02_1 04232	OR_WS_170900020301_02_10 4232; Edwards Creek	91	98	7	3313	3137	0	0	176	4638.0000	71.4316516
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233;	75	98	23	117864	73961	6689	11896	25318	159620.81 65	73.8399932
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Blood Creek	91	97	6	1175	1125	0	50	0	2153.0000	54.5750116
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Brauti Creek	76	98	22	1930	1340	135	200	255	1935.0000	99.7416021
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Carlson Creek	83	98	15	2096	1513	200	183	200	2602.0000	80.5534204
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Cinnabar Creek	91	98	7	1477	1469	0	8	0	1682.0000	87.8121284
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Dennis Creek	92	98	6	1407	1359	0	48	0	2624.0000	53.6204268
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Drue Creek	71	97	26	1990	790	0	800	400	2682.0000	74.1983594
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; East Cinnabar Creek	60	98	38	1703	763	0	221	719	2115.0000	80.5200946

OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Garoutte Creek	83	97	14	2374	1742	21	400	212	3629.0000	65.4174704
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Jasper Creek	83	97	14	4911	3286	483	666	475	6475.0000	75.8455598
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Little River	89	98	9	5195	4423	0	399	373	7852.0000	66.1614875
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Martin Creek	85	98	13	3479	2875	200	200	203	4542.8858	76.5812771
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Norman Creek	94	97	3	496	496	0	0	0	598.0000	82.9431438
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Trail Creek	84	98	14	1026	999	0	0	27	1420.0000	72.2535211
OR_WS_170900020302_02_1 04233	OR_WS_170900020302_02_10 4233; Weyerhaeuser Creek	96	98	2	888	888	0	0	0	2107.0000	42.1452302
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234;	77	96	19	74647	50211	5966	6504	11965	95992.375 8	77.7634675
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Alex Small Creek	67	84	17	925	325	200	200	200	1108.0000	83.4837545
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Anderson Creek	86	92	6	2516	1954	0	400	162	2909.0000	86.4902028
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Beaver Creek	88	97	9	2608	2208	200	0	200	3203.0000	81.4236653
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Combs Creek	93	96	3	3768	3368	400	0	0	5262.5587	71.6001512
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Deer Creek	55	86	31	781	207	0	200	374	779.0111	100.255312 2
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Ewing Creek	68	93	25	2565	1153	200	800	412	2558.0000	100.273651 3
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; H Taylor Creek	84	91	7	887	654	84	149	0	1291.0000	68.7064291
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Hambrick Creek	94	94	0	2207	2207	0	0	0	2739.0000	80.5768529
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Harris Creek	88	88	0	705	705	0	0	0	713.0000	98.8779804
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Hobart Creek	78	92	14	2178	1409	169	400	200	3272.0000	66.5647922

OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Johnson Creek	89	93	4	2105	1905	200	0	0	2099.1095	100.280618 5
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Massey Creek	87	92	5	905	705	200	0	0	911.0000	99.3413831
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Numbers Creek	85	95	10	4154	3239	515	200	200	4623.0000	89.8550725
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Rouse Creek	42	90	48	456	8	0	200	248	454.0000	100.440528 6
OR_WS_170900020303_02_1 04234	OR_WS_170900020303_02_10 4234; Shortridge Creek	88	96	8	3395	2995	200	200	0	3591.0000	94.5419103
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235;	81	97	16	94862	70809	5287	5684	13082	123952.00 00	76.5312379
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Beck Creek	88	98	10	2384	1821	400	0	163	3095.0000	77.0274637
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Cedar Creek	86	92	6	3679	3479	0	0	200	5386.0000	68.3067211
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Harvey Creek	88	97	9	1102	702	400	0	0	1298.1387	84.8907735
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Murray Creek	95	95	0	294	294	0	0	0	665.0000	44.2105263
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; North Cedar Creek	79	96	17	3187	1624	717	646	200	3689.0000	86.3919761
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Powell Creek	94	98	4	1391	1391	0	0	0	1840.0000	75.5978261
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Rodgers Creek	44	97	53	401	0	200	0	201	602.0000	66.6112957
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Sweeney Creek	60	96	36	1922	867	200	202	652	2507.0000	76.6653371
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Williams Creek	70	97	27	2268	1297	130	200	641	3551.7358	63.8561012
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Wilson Creek	91	98	7	3940	3347	192	200	200	6335.0000	62.1941594
OR_WS_170900020304_02_1 04235	OR_WS_170900020304_02_10 4235; Youngs Creek	91	97	6	1253	1053	0	200	0	1464.0000	85.5874317
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236;	67	96	29	69250	37301	4336	6039	21574	89890.009 2	77.0385949

OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Boren Creek	65	96	31	3061	965	400	1045	651	4120.0000	74.2961165
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Elkhorn Creek	60	92	32	1812	1112	239	0	460	2210.6248	81.9677756
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Lane Creek	19	94	75	2179	0	54	400	1725	2932.0000	74.3178718
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Langdon Creek	70	92	22	2904	1650	43	811	400	3097.0000	93.7681627
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Martin Creek	63	94	31	8432	3432	782	1823	2394	9708.0000	86.8562011
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; McWilliams Creek	68	97	29	1687	1014	0	451	222	2084.0025	80.9499973
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Piper Creek	86	94	8	1553	1349	4	200	0	2208.0000	70.3351449
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Sheldon Creek	72	91	19	1165	636	0	528	0	1361.0000	85.5988244
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Snyder Creek	66	94	28	1833	1233	0	0	600	1827.0000	100.328407 2
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Taylor Creek	59	89	30	1636	228	408	800	200	1632.0000	100.245098 0
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Wallace Creek	73	90	17	1308	666	200	310	133	1505.0000	86.9102990
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Whites Creek	49	93	44	1349	346	200	200	603	1347.0000	100.148478 1
OR_WS_170900020305_02_1 04236	OR_WS_170900020305_02_10 4236; Whitney Creek	94	99	5	1189	1189	0	0	0	1386.0000	85.7864358
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237;	65	96	31	84194	41782	6543	9798	26072	108078.00 00	77.9011455
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; Barrett Creek	68	94	26	2716	1031	600	588	497	3061.0000	88.7291735
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; Bennett Creek	71	96	25	4220	1651	658	1003	908	5236.0000	80.5958747
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; Calico Creek	62	96	34	2432	1044	200	581	608	3661.0000	66.4299372
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; City Creek	78	94	16	2301	1501	400	0	400	2362.0000	97.4174428

OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; Cooley Creek	60	90	30	3082	1384	409	488	800	3277.0000	94.0494355
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; Finney Creek	56	96	40	1631	600	200	200	631	1828.5917	89.1943222
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; Muslin Creek	68	97	29	3345	1441	466	942	497	4310.0000	77.6102088
OR_WS_170900020306_02_1 04237	OR_WS_170900020306_02_10 4237; Silk Creek	40	97	57	2820	613	0	731	1477	3711.0000	75.9902991
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238;	62	95	33	99833	45057	9956	13247	31573	125358.11 22	79.6382446
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; Brown Creek	15	86	71	1639	0	0	217	1422	1841.0000	89.0277023
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; Gettings Creek	64	93	29	9539	5005	600	895	3039	11892.000 0	80.2135890
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; Hall Creek	83	92	9	1913	1713	0	0	200	2525.0000	75.7623762
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; Hill Creek	54	83	29	5740	1690	1198	1123	1730	7560.0000	75.9259259
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; Louis Slough	33	87	54	1154	0	217	64	873	1582.0000	72.9456384
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; North Fork Gettings Creek	83	97	14	5782	4409	0	974	400	6373.0000	90.7265024
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; North Fork Hill Creek	47	93	46	1706	391	0	200	1115	2180.0000	78.2568807
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; South Fork Gettings Creek	25	92	67	2974	400	0	413	2161	3515.0000	84.6088193
OR_WS_170900020401_02_1 04238	OR_WS_170900020401_02_10 4238; Turkey Run	77	96	19	3160	1657	703	600	200	3360.0000	94.0476190
OR_WS_170900020402_02_1 04239	OR_WS_170900020402_02_10 4239;	63	93	30	98322	45984	9928	16070	26341	123537.00 00	79.5891110
OR_WS_170900020402_02_1 04239	OR_WS_170900020402_02_10 4239; Camas Swale Creek	70	97	27	3011	1695	322	124	871	3864.0000	77.9244306
OR_WS_170900020402_02_1 04239	OR_WS_170900020402_02_10 4239; Scott Creek	76	95	19	3451	2129	800	300	221	3460.0000	99.7398844
OR_WS_170900020402_02_1 04239	OR_WS_170900020402_02_10 4239; Skunk Creek	53	88	35	1553	628	400	51	473	2625.0000	59.1619048

OR_WS_170900020402_02_1 04239	OR_WS_170900020402_02_10 4239; Truman Creek	75	97	22	1163	688	75	200	200	1833.0000	63.4478996
OR_WS_170900020403_02_1 04240	OR_WS_170900020403_02_10 4240;	41	91	50	50440	11264	3615	8672	26889	55809.000 0	90.3796879
OR_WS_170900020404_02_1 04241	OR_WS_170900020404_02_10 4241;	62	93	31	125714	59822	10373	19286	36233	151931.24 61	82.7440064
OR_WS_170900020404_02_1 04241	OR_WS_170900020404_02_10 4241; Bear Creek	74	92	18	13042	8347	1438	1292	1965	15256.550 7	85.4845911
OR_WS_170900020404_02_1 04241	OR_WS_170900020404_02_10 4241; Hill Creek	22	81	59	11245	393	745	2770	7338	11903.000 0	94.4719819
OR_WS_170900020404_02_1 04241	OR_WS_170900020404_02_10 4241; Stalder Slough	34	74	40	812	0	229	383	200	814.0000	99.7542998
OR_WS_170900020404_02_1 04241	OR_WS_170900020404_02_10 4241; Tunnel Millrace	20	86	66	2630	0	0	600	2030	2677.0000	98.2443033
OR_WS_170900020405_02_1 04242	OR_WS_170900020405_02_10 4242;	56	93	37	30908	10889	2590	5411	12017	35897.623 1	86.1004080
OR_WS_170900020405_02_1 04242	OR_WS_170900020405_02_10 4242; Berkshire Slough	41	94	53	1632	200	200	232	1000	1768.0000	92.3076923
OR_WS_170900020405_02_1 04242	OR_WS_170900020405_02_10 4242; Oxley Slough	32	94	62	1895	0	131	299	1465	1900.0000	99.7368421
OR_WS_170900020405_02_1 04242	OR_WS_170900020405_02_10 4242; Papenfus Creek	42	89	47	11383	3055	600	1293	6434	12025.000 0	94.6611227
OR_WS_170900020405_02_1 04242	OR_WS_170900020405_02_10 4242; Russel Creek	27	76	49	2493	832	0	206	1454	2694.0000	92.5389755
OR_WS_170900020405_02_1 04242	OR_WS_170900020405_02_10 4242; Wild Hog Creek	43	86	43	4784	712	492	1326	2254	5703.0000	83.8856742
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243;	65	96	31	179194	88361	16137	22639	52057	248739.58 19	72.0408061
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Bear Creek	58	97	39	3291	1264	140	408	1479	5007.0000	65.7279808
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Beaver Creek	68	97	29	1823	1029	200	0	594	1823.0000	100.000000 0
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Boardtree Creek	62	97	35	1886	530	217	798	342	2492.0000	75.6821830
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Coyote Creek	52	95	43	6841	1366	53	1693	3729	9645.4393	70.9247116

OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Doak Creek	69	97	28	4506	1769	160	1385	1193	6008.0000	75.0000000
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Hayes Branch	74	96	22	1751	983	200	96	472	2633.0000	66.5020889
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Jackson Creek	89	97	8	1717	1468	200	49	0	3604.0000	47.6415094
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Preacher Creek	51	98	47	1092	175	132	0	785	1819.0000	60.0329852
OR_WS_170900030101_02_1 04243	OR_WS_170900030101_02_10 4243; Rebel Creek	84	97	13	860	564	43	252	0	1481.0000	58.0688724
OR_WS_170900030102_02_1 04244	OR_WS_170900030102_02_10 4244;	58	95	37	96397	36801	9799	18624	31173	114323.00 00	84.3198656
OR_WS_170900030102_02_1 04244	OR_WS_170900030102_02_10 4244; South Fork Spencer Creek	63	97	34	3600	1221	400	913	1066	4590.0000	78.4313725
OR_WS_170900030102_02_1 04244	OR_WS_170900030102_02_10 4244; Spencer Creek	63	96	33	6283	2952	400	1384	1547	7547.0000	83.2516232
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245;	53	93	40	194820	74028	15554	27227	78011	238452.16 68	81.7019206
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Battle Creek	79	89	10	1072	672	200	0	200	1396.0000	76.7908309
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Gates Creek	75	97	22	781	318	200	200	63	1424.8011	54.8146689
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Health Spring Branch	95	98	3	1556	1556	0	0	0	1754.7423	88.6739909
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Job Swale Creek	43	85	42	4857	1844	556	600	1857	5246.0000	92.5848265
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Jordan Creek	68	97	29	4335	2723	72	465	1076	5357.0529	80.9213596
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Middle Fork Coyote Creek	39	89	50	3008	609	0	1086	1313	3456.0000	87.0370370
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Nighswander Creek	58	91	33	2362	511	663	748	439	3515.0000	67.1977240
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; Sturtevant Creek	64	97	33	4843	1697	238	1708	1200	5868.0000	82.5323790
OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; West Fork Battle Creek	77	97	20	2204	1471	137	12	584	2599.4347	84.7876662

OR_WS_170900030103_02_1 04245	OR_WS_170900030103_02_10 4245; West Fork Coyote Creek	36	82	46	6202	2077	200	600	3325	6829.0000	90.8185679
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246;	74	97	23	150415	91936	10351	17463	30664	220796.56 08	68.1237966
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Blacktail Creek	38	95	57	1447	220	0	227	1000	1851.0000	78.1739600
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Board Creek	91	98	7	1815	1533	82	200	0	2434.0000	74.5686113
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Dusky Creek	57	97	40	1896	975	0	630	291	2064.0000	91.8604651
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Hayes Creek	85	97	12	4812	3585	571	404	252	5402.9696	89.0621335
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Howard Branch	65	88	23	779	200	179	400	0	780.0000	99.8717949
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Jones Creek	63	96	33	2050	719	398	634	299	2440.0000	84.0163934
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Long Tom River	79	95	16	3469	2305	478	283	403	4578.0000	75.7754478
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Michaels Creek	91	97	6	2516	2352	0	0	164	3641.0749	69.1004740
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Short Jake Creek	73	97	24	1967	1229	148	114	477	2668.5695	73.7099028
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Spring Creek	87	97	10	1676	1377	176	122	0	2330.0000	71.9313305
OR_WS_170900030104_02_1 04246	OR_WS_170900030104_02_10 4246; Swamp Creek	46	89	43	7085	2194	789	1496	2606	8365.0000	84.6981470
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247;	80	97	17	103992	74322	6206	8213	15251	151879.87 95	68.4698990
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Booker Creek	91	98	7	1625	1451	56	118	0	2177.4627	74.6281444
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Cedar Creek	90	97	7	2279	1879	0	400	0	3035.0000	75.0906096
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Elk Creek	72	97	25	1963	706	400	457	400	2162.0000	90.7955597
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Evans Creek	28	98	70	976	0	200	0	776	1580.0000	61.7721519

OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Jack Hays Creek	94	97	3	2128	2128	0	0	0	3461.0000	61.4851199
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; January Creek	91	98	7	3995	3078	526	391	0	5158.5308	77.4445311
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Mill Valley Creek	73	97	24	1100	827	0	205	68	1102.0000	99.8185118
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Poodle Creek	90	97	7	2334	1934	0	400	0	3017.0142	77.3612531
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Potterf Creek	93	97	4	895	848	47	0	0	1693.0000	52.8647372
OR_WS_170900030105_02_1 04247	OR_WS_170900030105_02_10 4247; Swamp Creek	59	96	37	1906	754	200	0	952	1910.1278	99.7838982
OR_WS_170900030106_02_1 04248	OR_WS_170900030106_02_10 4248;	46	88	42	39421	10778	3210	8023	17411	44232.079 2	89.1230995
OR_WS_170900030106_02_1 04248	OR_WS_170900030106_02_10 4248; Amazon Creek	26	89	63	14431	593	450	2747	10640	15230.000 0	94.7537754
OR_WS_170900030106_02_1 04248	OR_WS_170900030106_02_10 4248; Amazon Creek Diversion Channel	6	70	64	5590	0	200	200	5190	5586.0000	100.071607 6
OR_WS_170900030106_02_1 04248	OR_WS_170900030106_02_10 4248; Willow Creek	39	80	41	3283	1339	0	312	1632	4125.0000	79.5878788
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249;	75	95	20	163560	10203 8	13545	20498	27480	217582.24 23	75.1715757
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Cedar Creek	68	92	24	3824	1921	0	1078	825	4563.8904	83.7881639
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Cram Creek	76	97	21	1448	1048	0	0	400	1459.9241	99.1832370
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Determination Creek	79	96	17	1326	1200	0	0	126	1370.3710	96.7621198
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Gold Run Creek	73	97	24	1352	552	200	200	400	1752.0000	77.1689498
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Green Creek	49	95	46	548	200	0	0	348	747.0000	73.3601071
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Hannavan Creek	40	70	30	5520	2132	800	400	2189	5723.0000	96.4529093
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Hardy Creek	74	95	21	2999	2064	200	192	543	3678.0259	81.5383052

OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Hendricks Branch	62	94	32	2019	967	219	207	626	2265.0000	89.1390728
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Hoselton Creek	86	97	11	780	580	0	200	0	1193.0000	65.3813915
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Indian Creek	55	95	40	3787	1022	200	1130	1435	3809.0000	99.4224206
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Inman Creek	60	89	29	3728	1210	740	0	1778	4441.0000	83.9450574
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Langworthy Creek	89	96	7	444	244	200	0	0	614.0663	72.3048937
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Noel Creek	22	64	42	2183	878	212	0	1094	2185.7559	99.8739164
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Noti Creek	43	80	37	1541	600	236	269	437	2319.8412	66.4269606
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Parker Creek	76	97	21	3512	2225	600	365	323	3712.0000	94.6120690
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Parsley Creek	94	97	3	260	260	0	0	0	1190.4829	21.8398767
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Spring Creek	65	96	31	911	600	0	48	263	1808.0000	50.3871681
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Sweet Creek	66	82	16	2730	1702	0	572	457	3154.0000	86.5567533
OR_WS_170900030107_02_1 04249	OR_WS_170900030107_02_10 4249; Wilson Creek	70	94	24	2468	1683	0	200	585	3068.0000	80.4432855
OR_WS_170900030108_02_1 04250	OR_WS_170900030108_02_10 4250;	11	86	75	81852	4790	961	3921	72178	86479.000 0	94.6495681
OR_WS_170900030108_02_1 04250	OR_WS_170900030108_02_10 4250; Amazon Creek	6	85	79	16775	124	0	1162	15489	17811.000 0	94.1833698
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251;	45	89	44	180949	64528	10052	20793	85576	218282.93 26	82.8965407
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Amazon Creek	6	70	64	3017	0	0	200	2817	3225.0000	93.5503876
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Bear Creek	58	91	33	13049	5083	1918	2528	3520	16098.000 0	81.0597590
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Jones Creek	50	81	31	5951	2519	455	682	2295	7655.0000	77.7400392

OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Lingo Slough	36	84	48	1497	200	0	807	490	1502.0000	99.6671105
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; McLaden Creek	38	82	44	1806	537	47	200	1022	2284.0000	79.0718039
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Nails Creek	45	78	33	4555	2134	200	800	1420	5135.0000	88.7049659
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Owens Creek	57	90	33	10720	4027	983	2341	3369	12729.000 0	84.2171420
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Squaw Creek	45	86	41	3100	712	300	811	1277	3292.0000	94.1676792
OR_WS_170900030109_02_1 04251	OR_WS_170900030109_02_10 4251; Turnbow Creek	38	80	42	5236	1482	413	611	2730	5895.0000	88.8210348
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252;	49	90	41	168978	62359	9773	20675	76171	200921.54 24	84.1014846
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Browning Creek	64	95	31	4606	2345	400	590	1271	5603.0000	82.2059611
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Davidson Creek	92	98	6	2152	1952	0	200	0	2907.7399	74.0093704
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Eber Creek	63	91	28	2735	1241	82	569	843	3317.0000	82.4540247
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Ferguson Creek	87	96	9	2922	2324	200	398	0	4783.7751	61.0814671
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Miller Creek	18	86	68	1974	0	0	140	1835	1979.0000	99.7473471
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Owl Creek	95	98	3	886	886	0	0	0	1088.0000	81.4338235
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Pitney Creek	91	98	7	2067	1729	138	200	0	2976.8750	69.4352306
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; Shafer Creek	28	85	57	2337	400	200	400	1337	2559.0000	91.3247362
OR_WS_170900030110_02_1 04252	OR_WS_170900030110_02_10 4252; South Fork Ferguson Creek	72	96	24	3862	2101	291	416	1053	5432.7982	71.0867560
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253;	74	95	21	66266	41706	5180	7360	12019	77637.483 6	85.3531013
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Bottger Creek	79	97	18	2586	1586	200	400	400	2990.0000	86.4882943

OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Burchard Creek	54	82	28	1793	793	268	132	600	1792.0000	100.055803 6
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Clark Creek	72	96	24	852	624	29	0	200	1051.0000	81.0656518
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Devitt Creek	79	97	18	3898	2037	1011	600	250	4503.0000	86.5645125
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; East Fork Marys River	69	96	27	7993	3644	690	2088	1571	9198.3236	86.8962692
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Happy Hollow Creek	83	97	14	482	282	0	200	0	481.0000	100.207900 2
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Marys River	73	95	22	14517	7141	2691	2940	1744	15032.000 0	96.5739755
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Norton Creek	49	88	39	6594	2662	400	451	3080	7985.0000	82.5798372
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Oleman Creek	70	97	27	5524	2792	800	701	1231	6628.0000	83.3433917
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; Shingle Creek	54	96	42	754	154	0	200	400	753.0000	100.132802 1
OR_WS_170900030201_02_1 04253	OR_WS_170900030201_02_10 4253; West Fork Marys River	52	95	43	7928	1862	701	1400	3965	10918.564 5	72.6102777
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254;	81	96	15	97290	70791	6697	10119	9683	123820.00 00	78.5737361
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Bark Creek	77	95	18	6661	3315	754	1793	800	8009.0000	83.1689349
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Beaver Creek	88	97	9	2360	1918	98	345	0	2543.0000	92.8037751
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Ellmaker Creek	87	96	9	1147	1066	23	58	0	1348.0000	85.0890208
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Hymes Creek	82	94	12	3090	2290	200	400	200	3296.0000	93.7500000
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Lasky Creek	88	97	9	3334	2709	225	400	0	3536.0000	94.2873303
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Scheele Creek	80	97	17	7427	5363	735	294	1035	8034.0000	92.4446104
OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Shotpouch Creek	72	94	22	10498	6312	438	1755	1992	14177.000 0	74.0495168

OR_WS_170900030202_02_1 04254	OR_WS_170900030202_02_10 4254; Tumtum River	49	91	42	10427	2013	967	3508	3939	12155.000 0	85.7836281
OR_WS_170900030203_02_1 04255	OR_WS_170900030203_02_10 4255;	59	93	34	38954	17530	2497	5096	13831	42718.000 0	91.1887261
OR_WS_170900030203_02_1 04255	OR_WS_170900030203_02_10 4255; Blakesley Creek	76	95	19	6081	3738	983	626	734	7316.0000	83.1191908
OR_WS_170900030203_02_1 04255	OR_WS_170900030203_02_10 4255; Gellatly Creek	83	94	11	2364	1964	0	200	200	2576.0000	91.7701863
OR_WS_170900030203_02_1 04255	OR_WS_170900030203_02_10 4255; La Bare Creek	56	88	32	3314	514	800	1600	400	3336.0000	99.3405276
OR_WS_170900030203_02_1 04255	OR_WS_170900030203_02_10 4255; Miller Creek	64	93	29	1353	600	0	553	200	1370.0000	98.7591241
OR_WS_170900030203_02_1 04255	OR_WS_170900030203_02_10 4255; Read Creek	72	86	14	2069	1269	200	200	400	2273.0000	91.0250770
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256;	90	97	7	105642	93000	4890	3355	4397	161269.95 92	65.5063104
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Blair Creek	78	97	19	2832	1832	0	600	400	2830.0000	100.070671 4
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Bounds Creek	60	97	37	1310	600	0	400	310	1310.0000	100.000000 0
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Cedar Creek	92	97	5	3058	2858	0	0	200	3899.0000	78.4303668
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Chintimini Creek	96	98	2	2414	2414	0	0	0	2793.0000	86.4303616
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Connection Creek	93	98	5	1945	1545	400	0	0	3109.0000	62.5603088
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Dinner Creek	94	97	3	1649	1645	4	0	0	2183.0000	75.5382501
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Ervin Creek	59	93	34	2144	744	400	200	800	2496.2460	85.8889702
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Gellatly Creek	69	96	27	2393	1035	400	358	600	2592.0000	92.3225309
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Gray Creek	92	97	5	1915	1715	200	0	0	1914.0000	100.052246 6
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Greasy Creek	81	97	16	4712	3106	600	157	849	5719.5860	82.3835845

OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Griffith Creek	95	98	3	4695	4526	0	169	0	7160.0000	65.5726257
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Hyde Creek	87	97	10	2701	2141	160	0	400	3475.0000	77.7266187
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Kiser Creek	69	98	29	1441	811	0	0	629	1849.0000	77.9340184
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Middle Fork Rock Creek	93	98	5	3161	3141	21	0	0	4563.0000	69.2746000
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Moss Creek	77	96	19	3282	2201	234	247	600	3549.0000	92.4767540
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; North Fork Rock Creek	83	95	12	4604	3977	0	21	606	5753.0000	80.0278116
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Rock Creek	81	97	16	5666	4030	200	836	600	6171.0000	91.8165613
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; South Fork Rock Creek	96	98	2	3621	3621	0	0	0	6264.0000	57.8065134
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Spencer Creek	72	97	25	1315	600	254	400	61	1513.0000	86.9134171
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Stilson Creek	94	98	4	835	835	0	0	0	1236.0000	67.5566343
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Watkins Creek	78	96	18	2500	1562	468	270	200	2500.0000	100.000000 0
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Wells Creek	91	97	6	3341	3117	24	0	200	5295.0000	63.0972616
OR_WS_170900030204_02_1 04256	OR_WS_170900030204_02_10 4256; Westwood Creek	70	96	26	1851	651	400	400	400	2048.0000	90.3808594
OR_WS_170900030205_02_1 04257	OR_WS_170900030205_02_10 4257;	63	95	32	41273	19403	4404	5458	12007	46009.000 0	89.7063618
OR_WS_170900030205_02_1 04257	OR_WS_170900030205_02_10 4257; Enos Creek	91	97	6	1082	1082	0	0	0	1083.0000	99.9076639
OR_WS_170900030205_02_1 04257	OR_WS_170900030205_02_10 4257; Newton Creek	59	93	34	3506	671	882	1093	860	4319.0000	81.1761982
OR_WS_170900030205_02_1 04257	OR_WS_170900030205_02_10 4257; Tatum Creek	75	98	23	784	556	0	200	29	784.0000	100.000000 0
OR_WS_170900030205_02_1 04257	OR_WS_170900030205_02_10 4257; Woods Creek	91	97	6	1144	944	0	200	0	1514.0000	75.5614267

OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258;	61	95	34	85748	37619	6986	11190	29954	119073.00 00	72.0129668
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Belknap Creek	48	90	42	3506	1086	0	1000	1419	3511.0000	99.8575904
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Cherry Creek	40	93	53	1914	524	0	200	1190	2250.0000	85.0666667
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Gardner Creek	77	97	20	975	703	0	151	122	1966.0000	49.5930824
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Hammer Creek	77	97	20	880	789	20	0	72	2486.0000	35.3982301
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Hawley Creek	51	80	29	2423	1278	52	494	600	3242.0000	74.7378162
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Howell Creek	78	98	20	1487	1262	0	0	225	2085.0000	71.3189448
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Kyle Creek	38	83	45	2820	820	0	400	1600	3029.0000	93.1000330
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Muddy Creek	34	88	54	3878	492	800	200	2386	5086.0000	76.2485254
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Nichols Creek	59	93	34	3481	1154	200	1028	1099	5296.0000	65.7288520
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Nye Creek	82	97	15	1460	1060	0	0	400	2426.0000	60.1813685
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Rambo Creek	81	97	16	2238	1632	195	407	4	3732.0000	59.9678457
OR_WS_170900030206_02_1 04258	OR_WS_170900030206_02_10 4258; Weaver Creek	78	97	19	3095	1566	400	554	574	3365.0000	91.9762259
OR_WS_170900030207_02_1 04259	OR_WS_170900030207_02_10 4259;	71	96	25	129615	75333	9673	15045	29563	188116.79 11	68.9013454
OR_WS_170900030207_02_1 04259	OR_WS_170900030207_02_10 4259; Larsen Creek	60	87	27	3983	1823	604	552	1004	4455.9905	89.3852891
OR_WS_170900030207_02_1 04259	OR_WS_170900030207_02_10 4259; Miller Creek	85	97	12	1325	932	193	0	200	2623.0000	50.5146778
OR_WS_170900030207_02_1 04259	OR_WS_170900030207_02_10 4259; Oliver Creek	94	98	4	4125	3773	117	236	0	6605.0000	62.4526874
OR_WS_170900030207_02_1 04259	OR_WS_170900030207_02_10 4259; Reese Creek	65	97	32	3966	1570	424	847	1124	5691.0000	69.6889826

OR_WS_170900030207_02_1 04259	OR_WS_170900030207_02_10 4259; Rickard Creek	88	97	9	5438	4958	0	235	245	6534.0000	83.2262014
OR_WS_170900030207_02_1 04259	OR_WS_170900030207_02_10 4259; Ridenour Creek	60	97	37	554	200	0	154	200	753.0000	73.5723772
OR_WS_170900030208_02_1 04260	OR_WS_170900030208_02_10 4260;	42	83	41	52114	19475	1970	7269	23400	69903.951 6	74.5508642
OR_WS_170900030208_02_1 04260	OR_WS_170900030208_02_10 4260; Brown Creek	57	84	27	2967	1077	600	600	690	3002.3284	98.8232999
OR_WS_170900030208_02_1 04260	OR_WS_170900030208_02_10 4260; Gray Creek	56	77	21	6161	3532	756	672	1201	7448.0000	82.7201933
OR_WS_170900030208_02_1 04260	OR_WS_170900030208_02_10 4260; Hull Creek	70	81	11	2146	1827	0	0	319	2142.0000	100.186741 4
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261;	60	95	35	120599	58755	5684	12862	43298	165481.97 45	72.8774239
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Beaver Creek	81	91	10	1180	656	0	524	0	1988.0000	59.3561368
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Cheyenne Creek	89	94	5	2619	2137	282	200	0	2971.0000	88.1521373
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Duffy Creek	83	96	13	4723	3465	47	342	870	7078.0000	66.7278892
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Gleason Creek	79	98	19	3895	2971	200	0	725	4354.0000	89.4579697
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Henderson Creek	71	94	23	2485	1253	289	269	673	5407.9729	45.9506741
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Mercer Creek	67	93	26	3657	1996	268	637	755	4062.0000	90.0295421
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Powell Creek	71	96	25	3330	1994	200	438	699	4256.0000	78.2424812
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; South Creek	89	98	9	1775	1575	0	0	200	2527.0000	70.2413930
OR_WS_170900030209_02_1 04261	OR_WS_170900030209_02_10 4261; Starr Creek	61	93	32	4670	1386	1063	1027	1195	6204.0000	75.2740168
OR_WS_170900030210_02_1 04262	OR_WS_170900030210_02_10 4262;	28	88	60	32886	7254	899	2890	21843	67591.164 0	48.6542886
OR_WS_170900030210_02_1 04262	OR_WS_170900030210_02_10 4262; Bull Run Creek	52	95	43	6005	1298	883	1484	2340	7412.8316	81.0081806

OR_WS_170900030210_02_1 04262	OR_WS_170900030210_02_10 4262; Evergreen Creek	51	89	38	10016	4037	400	1400	4179	10160.078 8	98.5819126
OR_WS_170900030210_02_1 04262	OR_WS_170900030210_02_10 4262; Whitby Ditch	8	73	65	4904	1000	200	0	3704	3776.5920	129.852522 4
OR_WS_170900030211_02_1 04263	OR_WS_170900030211_02_10 4263;	41	87	46	39841	13542	2572	2897	20830	38705.000 0	102.935021 3
OR_WS_170900030211_02_1 04263	OR_WS_170900030211_02_10 4263; Alder Creek	87	94	7	3921	3321	200	400	0	4039.0000	97.0784848
OR_WS_170900030211_02_1 04263	OR_WS_170900030211_02_10 4263; Dunawi Creek	51	91	40	5174	1506	600	800	2269	5371.0000	96.3321542
OR_WS_170900030211_02_1 04263	OR_WS_170900030211_02_10 4263; Mulkey Creek	80	93	13	2394	1594	200	400	200	2591.0000	92.3967580
OR_WS_170900030211_02_1 04263	OR_WS_170900030211_02_10 4263; Oak Creek	71	93	22	11260	6047	1676	1800	1738	11881.000 0	94.7731672
OR_WS_170900030211_02_1 04263	OR_WS_170900030211_02_10 4263; Skunk Creek	59	92	33	1859	800	0	600	459	2057.0000	90.3743316
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264;	78	98	20	114397	70149	12368	15777	16102	141299.57 27	80.9606129
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; Calapooia River	74	98	24	4076	2082	307	1326	360	5729.5814	71.1395769
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; East Fork Keeney Creek	73	98	25	1281	675	6	200	400	1714.5615	74.7129805
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; Eighteen Creek	82	95	13	3323	2810	421	60	32	3529.8045	94.1411911
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; Hands Creek	70	98	28	3617	1098	600	1520	400	3823.0000	94.6115616
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; Keeney Creek	86	98	12	761	495	266	0	0	962.0000	79.1060291
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; King Creek	81	98	17	2610	1600	542	68	400	2817.0000	92.6517572
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; North Fork Calapooia River	84	97	13	5897	4232	542	938	185	6908.3137	85.3609187
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; Potts Creek	90	98	8	2333	2023	0	310	0	2537.0000	91.9590067
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; Seventeen Creek	73	98	25	1626	869	200	122	436	2019.1612	80.5284904

OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; Treadwell Creek	83	98	15	2045	1079	400	566	0	2452.9496	83.3690196
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; United States Creek	84	98	14	2333	1456	81	797	0	2877.4307	81.0792756
OR_WS_170900030301_02_1 04264	OR_WS_170900030301_02_10 4264; West Fork Keeney Creek	83	98	15	1420	1200	0	200	20	1622.7732	87.5045257
OR_WS_170900030302_02_1 04265	OR_WS_170900030302_02_10 4265;	80	98	18	58685	37217	7318	9309	4841	68831.100 7	85.2594240
OR_WS_170900030302_02_1 04265	OR_WS_170900030302_02_10 4265; Barrell Creek	75	98	23	2315	1000	200	915	200	2520.0000	91.8650794
OR_WS_170900030302_02_1 04265	OR_WS_170900030302_02_10 4265; Bigs Creek	88	98	10	3463	3263	0	0	200	3583.0000	96.6508512
OR_WS_170900030302_02_1 04265	OR_WS_170900030302_02_10 4265; Blue Creek	92	98	6	2837	2637	0	200	0	3236.0000	87.6699629
OR_WS_170900030302_02_1 04265	OR_WS_170900030302_02_10 4265; McKinley Creek	80	98	18	2768	1310	478	980	0	3653.0000	75.7733370
OR_WS_170900030302_02_1 04265	OR_WS_170900030302_02_10 4265; Washout Creek	65	98	33	1829	589	200	600	440	2030.0000	90.0985222
OR_WS_170900030303_02_1 04266	OR_WS_170900030303_02_10 4266;	77	97	20	79977	52178	5628	9148	13024	99011.515 5	80.7754528
OR_WS_170900030303_02_1 04266	OR_WS_170900030303_02_10 4266; Carrie Fork	79	97	18	1605	1096	0	309	200	1983.0000	80.9379728
OR_WS_170900030303_02_1 04266	OR_WS_170900030303_02_10 4266; Cedar Creek	65	97	32	1256	656	0	0	600	1458.0000	86.1454047
OR_WS_170900030303_02_1 04266	OR_WS_170900030303_02_10 4266; Fox Creek	63	97	34	1500	800	0	100	600	1503.0000	99.8003992
OR_WS_170900030303_02_1 04266	OR_WS_170900030303_02_10 4266; Pugh Creek	84	97	13	2875	2275	200	0	400	3725.0000	77.1812081
OR_WS_170900030303_02_1 04266	OR_WS_170900030303_02_10 4266; Sweet Home Creek	84	97	13	1584	1264	137	134	49	1788.0000	88.5906040
OR_WS_170900030304_02_1 04267	OR_WS_170900030304_02_10 4267;	59	95	36	191458	75424	17261	27713	71061	245958.49 42	77.8415889
OR_WS_170900030304_02_1 04267	OR_WS_170900030304_02_10 4267; Bickmore Creek	78	97	19	2447	1761	0	558	128	3180.0000	76.9496855
OR_WS_170900030304_02_1 04267	OR_WS_170900030304_02_10 4267; Brush Creek	78	97	19	1797	1044	256	237	259	3288.0000	54.6532847

OR_WS_170900030304_02_1 04267	OR_WS_170900030304_02_10 4267; Johnson Creek	57	81	24	4359	1951	400	1310	698	5138.0000	84.8384585
OR_WS_170900030304_02_1 04267	OR_WS_170900030304_02_10 4267; Sawyer Creek	77	95	18	3663	2291	400	572	400	3668.7426	99.8434717
OR_WS_170900030304_02_1 04267	OR_WS_170900030304_02_10 4267; West Brush Creek	87	97	10	1887	1436	200	251	0	2685.0000	70.2793296
OR_WS_170900030305_02_1 04268	OR_WS_170900030305_02_10 4268;	47	92	45	57969	16432	5679	8022	27836	64094.000 0	90.4437233
OR_WS_170900030305_02_1 04268	OR_WS_170900030305_02_10 4268; Brownsville Ditch	28	87	59	4074	200	600	600	2674	4262.1189	95.5862581
OR_WS_170900030305_02_1 04268	OR_WS_170900030305_02_10 4268; Warren Creek	62	92	30	5907	2613	784	1031	1480	6697.0000	88.2036733
OR_WS_170900030306_02_1 04269	OR_WS_170900030306_02_10 4269;	30	91	61	99645	17426	4574	10662	66982	107798.00 00	92.4367799
OR_WS_170900030306_02_1 04269	OR_WS_170900030306_02_10 4269; Butte Creek	41	87	46	12467	2810	1000	2295	6362	13663.000 0	91.2464320
OR_WS_170900030306_02_1 04269	OR_WS_170900030306_02_10 4269; Cochran Creek	38	93	55	11902	2548	783	1400	7171	12463.000 0	95.4986761
OR_WS_170900030306_02_1 04269	OR_WS_170900030306_02_10 4269; Plainview Creek	16	83	67	5432	800	0	0	4632	5628.0000	96.5174129
OR_WS_170900030307_02_1 04270	OR_WS_170900030307_02_10 4270;	47	91	44	177096	55803	10353	14512	96428	223285.23 22	79.3137989
OR_WS_170900030307_02_1 04270	OR_WS_170900030307_02_10 4270; Courtney Creek	63	96	33	2363	1127	200	657	379	2958.0000	79.8850575
OR_WS_170900030307_02_1 04270	OR_WS_170900030307_02_10 4270; Spoon Creek	18	78	60	11864	1248	800	1454	8362	12683.000 0	93.5425373
OR_WS_170900030308_02_1 04271	OR_WS_170900030308_02_10 4271;	10	85	75	41271	3152	400	1400	36319	43097.000 0	95.7630462
OR_WS_170900030401_02_1 04272	OR_WS_170900030401_02_10 4272;	31	90	59	59081	10994	4337	5377	38373	62813.000 0	94.0585548
OR_WS_170900030401_02_1 04272	OR_WS_170900030401_02_10 4272; Little Oak Creek	23	84	61	10501	1400	400	1146	7555	10698.000 0	98.1585343
OR_WS_170900030401_02_1 04272	OR_WS_170900030401_02_10 4272; Oak Creek	38	86	48	21626	4721	1226	4149	11529	23110.000 0	93.5785374
OR_WS_170900030402_02_1 04273	OR_WS_170900030402_02_10 4273;	23	82	59	55564	11255	2742	4033	37533	57746.000 0	96.2213833

OR_WS_170900030402_02_1 04273	OR_WS_170900030402_02_10 4273; Oak Creek	63	78	15	9218	5762	789	1200	1467	10019.000 0	92.0051901
OR_WS_170900030403_02_1 04274	OR_WS_170900030403_02_10 4274;	18	81	63	67172	10994	1214	3502	51462	68817.000 0	97.6096023
OR_WS_170900030403_02_1 04274	OR_WS_170900030403_02_10 4274; Lake Creek	57	79	22	12166	6586	1184	1600	2795	12981.000 0	93.7215931
OR_WS_170900030403_02_1 04274	OR_WS_170900030403_02_10 4274; Oak Creek	20	40	20	9	0	9	0	0	9.0000	100.000000 0
OR_WS_170900030501_02_1 04275	OR_WS_170900030501_02_10 4275;	78	98	20	134074	86591	10109	15921	21453	211628.28 22	63.3535360
OR_WS_170900030501_02_1 04275	OR_WS_170900030501_02_10 4275; Beaver Creek	90	97	7	1264	1064	0	200	0	3192.0000	39.5989975
OR_WS_170900030501_02_1 04275	OR_WS_170900030501_02_10 4275; Boulder Creek	72	98	26	268	136	34	0	99	1459.0000	18.3687457
OR_WS_170900030501_02_1 04275	OR_WS_170900030501_02_10 4275; Luckiamute River	84	98	14	4831	3749	449	171	462	7733.1482	62.4713234
OR_WS_170900030501_02_1 04275	OR_WS_170900030501_02_10 4275; Miller Creek	96	98	2	1899	1899	0	0	0	2914.0000	65.1681537
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276;	80	96	16	139493	96040	9656	15324	18473	185645.60 72	75.1394025
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Alexander Creek	82	96	14	1612	923	489	0	200	1815.3145	88.8000414
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Bonner Creek	72	95	23	2959	1450	200	908	400	3156.0000	93.7579214
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Burgett Creek	72	95	23	6935	4138	219	1420	1157	7583.0000	91.4545694
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Cougar Creek	88	97	9	2238	1679	400	159	0	3043.0000	73.5458429
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Foster Creek	84	94	10	1384	1184	0	200	0	1794.0000	77.1460424
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Harris Creek	78	97	19	2769	1880	382	106	400	3766.0000	73.5262878
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Jones Creek	72	87	15	742	533	0	209	0	742.0000	100.000000 0
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Kopplein Creek	55	97	42	1343	436	0	400	507	1344.0000	99.9255952

OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Rock Pit Creek	85	98	13	1715	1007	477	78	154	3374.0000	50.8298755
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Slick Creek	84	98	14	2881	2050	194	637	0	3826.0000	75.3005750
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Slide Creek	74	98	24	2270	1523	0	111	637	2869.0000	79.1216452
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Vincent Creek	72	96	24	6979	3184	1460	1761	573	7787.0000	89.6237319
OR_WS_170900030502_02_1 04276	OR_WS_170900030502_02_10 4276; Wolf Creek	72	92	20	1289	900	0	146	243	2478.0000	52.0177563
OR_WS_170900030503_02_1 04277	OR_WS_170900030503_02_10 4277;	67	95	28	78660	37632	8223	14422	18383	94936.591 3	82.8553026
OR_WS_170900030503_02_1 04277	OR_WS_170900030503_02_10 4277; Bump Creek	74	95	21	4858	2458	200	1400	800	5053.0000	96.1409064
OR_WS_170900030503_02_1 04277	OR_WS_170900030503_02_10 4277; Maxfield Creek	72	95	23	8233	3700	1407	1325	1801	11145.937 5	73.8654780
OR_WS_170900030503_02_1 04277	OR_WS_170900030503_02_10 4277; Plunkett Creek	72	96	24	5714	2654	800	1400	859	6132.0000	93.1833007
OR_WS_170900030503_02_1 04277	OR_WS_170900030503_02_10 4277; Price Creek	78	94	16	8471	5949	552	1089	880	9508.0000	89.0933950
OR_WS_170900030503_02_1 04277	OR_WS_170900030503_02_10 4277; Watson Creek	34	96	62	559	107	0	0	452	960.0000	58.2291667
OR_WS_170900030503_02_1 04277	OR_WS_170900030503_02_10 4277; Woods Creek	76	96	20	8038	5164	594	1027	1253	8523.0000	94.3095154
OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278;	75	97	22	167535	10883 8	9543	19770	29383	238530.70 60	70.2362404
OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278; Clayton Creek	76	97	21	5517	3383	31	737	1366	7589.0000	72.6973251
OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278; Kinsey Creek	85	97	12	1852	1452	200	0	200	2450.0000	75.5918367
OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278; Love Creek	73	97	24	936	665	0	0	271	1442.0000	64.9098474
OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278; North Fork Pedee Creek	91	96	5	2072	1899	102	71	0	4115.1326	50.3507467
OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278; Ritner Creek	86	97	11	4153	3568	271	313	0	6920.0000	60.0144509

OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278; Sheythe Creek	82	97	15	4389	2543	784	845	217	7173.0000	61.1877875
OR_WS_170900030504_02_1 04278	OR_WS_170900030504_02_10 4278; South Fork Pedee Creek	75	97	22	5099	3159	200	265	1475	7423.0000	68.6919035
OR_WS_170900030505_02_1 04279	OR_WS_170900030505_02_10 4279;	50	91	41	60797	22526	4686	8936	24649	64752.766 4	93.8909692
OR_WS_170900030505_02_1 04279	OR_WS_170900030505_02_10 4279; Airlie Creek	75	93	18	1199	799	0	400	0	1197.0000	100.167084 4
OR_WS_170900030505_02_1 04279	OR_WS_170900030505_02_10 4279; Dry Creek	29	89	60	4262	600	353	97	3212	4577.0000	93.1177627
OR_WS_170900030505_02_1 04279	OR_WS_170900030505_02_10 4279; Fuller Creek	64	93	29	3639	1710	298	600	1031	4043.0000	90.0074202
OR_WS_170900030505_02_1 04279	OR_WS_170900030505_02_10 4279; Jont Creek	54	83	29	8767	4234	618	1513	2402	9896.0000	88.5913500
OR_WS_170900030505_02_1 04279	OR_WS_170900030505_02_10 4279; Link Creek	54	95	41	2888	924	377	200	1387	2891.0000	99.8962297
OR_WS_170900030505_02_1 04279	OR_WS_170900030505_02_10 4279; McTimmonds Creek	63	96	33	7701	3779	1000	1000	1921	8484.0000	90.7708628
OR_WS_170900030506_02_1 04280	OR_WS_170900030506_02_10 4280;	68	96	28	116515	63550	11742	14812	26411	181470.15 37	64.2061505
OR_WS_170900030506_02_1 04280	OR_WS_170900030506_02_10 4280; Black Rock Creek	75	98	23	1150	169	551	430	0	2101.0000	54.7358401
OR_WS_170900030506_02_1 04280	OR_WS_170900030506_02_10 4280; Camp Creek	79	98	19	3798	2046	400	952	400	4840.0000	78.4710744
OR_WS_170900030506_02_1 04280	OR_WS_170900030506_02_10 4280; Little Luckiamute River	81	91	10	3673	3260	111	248	54	5514.6043	66.6049603
OR_WS_170900030506_02_1 04280	OR_WS_170900030506_02_10 4280; Lost Creek	67	98	31	1442	768	0	446	229	3161.0000	45.6184752
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281;	61	96	35	195426	81370	19445	33214	61397	269018.04 98	72.6441962
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Berry Creek	87	97	10	4874	3899	0	895	81	6146.5736	79.2962117
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Boughey Creek	86	97	11	2871	2140	331	200	200	3977.0000	72.1900930
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Dutch Creek	67	98	31	2614	473	843	983	315	3934.9469	66.4303760

OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Everz Creek	63	97	34	1657	166	400	691	400	2148.0000	77.1415270
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Glaze Creek	83	97	14	2182	1528	361	93	200	2771.0000	78.7441357
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Grant Creek	75	98	23	2938	1282	649	616	391	3533.0000	83.1587886
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; North Fork Teal Creek	74	98	24	2524	1242	374	471	437	4421.0000	57.0911558
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Sams Creek	74	97	23	2024	1252	0	225	547	2951.8979	68.5660562
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; South Fork Teal Creek	71	98	27	2899	1852	294	2	751	4537.0000	63.8968481
OR_WS_170900030507_02_1 04281	OR_WS_170900030507_02_10 4281; Waymire Creek	63	98	35	6215	1438	990	1898	1889	7254.8250	85.6671253
OR_WS_170900030508_02_1 04282	OR_WS_170900030508_02_10 4282;	39	91	52	66562	14303	5410	8248	38601	72732.000 0	91.5168014
OR_WS_170900030508_02_1 04282	OR_WS_170900030508_02_10 4282; Cooper Creek	47	87	40	7557	2280	800	1591	2886	8169.0000	92.5082629
OR_WS_170900030508_02_1 04282	OR_WS_170900030508_02_10 4282; Fern Creek	30	90	60	5796	530	449	1071	3746	7628.0000	75.9832197
OR_WS_170900030509_02_1 04283	OR_WS_170900030509_02_10 4283;	70	92	22	62182	34606	6718	8722	12136	75705.000 0	82.1372432
OR_WS_170900030509_02_1 04283	OR_WS_170900030509_02_10 4283; Baker Creek	66	94	28	1592	335	257	800	200	1993.0000	79.8795785
OR_WS_170900030509_02_1 04283	OR_WS_170900030509_02_10 4283; Soap Creek	87	93	6	5905	5128	233	544	0	6701.0000	88.1211759
OR_WS_170900030509_02_1 04283	OR_WS_170900030509_02_10 4283; Spring Branch	83	92	9	969	628	0	341	0	1169.0000	82.8913601
OR_WS_170900030509_02_1 04283	OR_WS_170900030509_02_10 4283; Writsman Brook	82	92	10	2200	1706	0	295	200	2681.0000	82.0589332
OR_WS_170900030510_02_1 04284	OR_WS_170900030510_02_10 4284;	33	90	57	38547	10118	946	2900	24584	42362.976 5	90.9921899
OR_WS_170900030510_02_1 04284	OR_WS_170900030510_02_10 4284; Berry Creek	27	88	61	7333	1000	0	1495	4838	8330.0000	88.0312125
OR_WS_170900030510_02_1 04284	OR_WS_170900030510_02_10 4284; Middle Fork Berry Creek	66	94	28	3306	1400	800	400	706	3508.0000	94.2417332

OR_WS_170900030510_02_1 04284	OR_WS_170900030510_02_10 4284; North Fork Berry Creek	74	92	18	2555	1755	0	400	400	2753.0000	92.8078460
OR_WS_170900030510_02_1 04284	OR_WS_170900030510_02_10 4284; Peterson Creek	29	89	60	3809	871	0	347	2590	4206.0000	90.5611032
OR_WS_170900030510_02_1 04284	OR_WS_170900030510_02_10 4284; South Fork Berry Creek	68	93	25	3173	1800	324	205	844	3379.0000	93.9035218
OR_WS_170900030510_02_1 04284	OR_WS_170900030510_02_10 4284; Staats Creek	30	88	58	4798	1046	137	400	3216	5198.0000	92.3047326
OR_WS_170900030511_02_1 04285	OR_WS_170900030511_02_10 4285;	38	82	44	32351	8676	3126	5639	14911	34706.819 6	93.2122284
OR_WS_170900030512_02_1 04286	OR_WS_170900030512_02_10 4286;	33	84	51	80418	21824	3640	9919	45036	86102.167 8	93.3983453
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287;	32	84	52	72272	11062	4013	14434	42763	74782.589 0	96.6428162
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; Canterbury Creek	27	94	67	285	0	0	200	85	285.0000	100.000000 0
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; Dodson Slough	28	91	63	1856	16	0	400	1440	1992.0000	93.1726908
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; Irving Slough	10	90	80	1188	0	0	0	1188	1186.0000	100.168634 1
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; McKenzie Ditch	38	87	49	1599	200	200	527	672	1607.0000	99.5021780
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; Mill Slough	39	94	55	2881	200	200	1074	1407	2880.0000	100.034722 2
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; Patterson Slough	39	84	45	2660	684	0	800	1176	2861.0000	92.9744844
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; Q Street Canal	38	73	35	2153	458	167	528	1000	2150.0000	100.139534 9
OR_WS_170900030601_02_1 04287	OR_WS_170900030601_02_10 4287; Spring Creek	58	88	30	6969	3200	310	1400	2059	7173.0000	97.1560017
OR_WS_170900030602_02_1 04288	OR_WS_170900030602_02_10 4288;	28	82	54	32045	5139	2663	4553	19690	46820.593 7	68.4421052
OR_WS_170900030602_02_1 04288	OR_WS_170900030602_02_10 4288; Cartwright Slough	4	94	90	2828	0	0	200	2628	3030.0000	93.3333333
OR_WS_170900030602_02_1 04288	OR_WS_170900030602_02_10 4288; Curtis Slough	44	87	43	5667	835	1476	800	2556	474.4459	1194.44590 87

OR_WS_170900030602_02_1 04288	OR_WS_170900030602_02_10 4288; Perkins Slough	32	68	36	7983	2158	1433	2099	2294	8394.0000	95.1036455
OR_WS_170900030602_02_1 04288	OR_WS_170900030602_02_10 4288; Pondertex Creek	46	88	42	896	400	200	0	296	545.6950	164.194287 4
OR_WS_170900030602_02_1 04288	OR_WS_170900030602_02_10 4288; Spring Creek	9	94	85	7867	200	400	0	7267	8277.7596	95.0377928
OR_WS_170900030602_05_1 04289	OR_WS_170900030602_05_10 4289;	41	43	2	1585	1185	200	200	0	1787.0000	88.6961388
OR_WS_170900030603_02_1 04290	OR_WS_170900030603_02_10 4290;	16	84	68	111153	10715	1491	8673	90274	116919.00 00	95.0683807
OR_WS_170900030603_02_1 04290	OR_WS_170900030603_02_10 4290; Blue Lake Slough	12	90	78	1826	0	0	0	1826	2025.0000	90.1728395
OR_WS_170900030603_02_1 04290	OR_WS_170900030603_02_10 4290; Flat Creek	24	83	59	35140	6272	1780	2659	24429	36605.000 0	95.9978145
OR_WS_170900030603_02_1 04290	OR_WS_170900030603_02_10 4290; Ingram Slough	25	70	45	3979	1102	400	834	1643	4381.0000	90.8240128
OR_WS_170900030604_02_1 04291	OR_WS_170900030604_02_10 4291;	11	79	68	83221	7511	4020	7246	64445	88896.563 6	93.6155422
OR_WS_170900030604_02_1 04291	OR_WS_170900030604_02_10 4291; Camous Creek	13	83	70	23457	1509	467	1268	20212	24093.000 0	97.3602291
OR_WS_170900030604_02_1 04291	OR_WS_170900030604_02_10 4291; Johnston Slough	9	88	79	3963	200	0	0	3763	3967.0000	99.8991681
OR_WS_170900030604_02_1 04291	OR_WS_170900030604_02_10 4291; Lake Creek	44	80	36	8887	1913	752	3737	2485	9362.0000	94.9262978
OR_WS_170900030605_02_1 04292	OR_WS_170900030605_02_10 4292;	15	83	68	44052	4612	1504	5562	32374	48606.000 0	90.6307863
OR_WS_170900030605_02_1 04292	OR_WS_170900030605_02_10 4292; Dry Creek	25	84	59	2353	400	205	0	1748	2356.0000	99.8726655
OR_WS_170900030605_02_1 04292	OR_WS_170900030605_02_10 4292; West Fork Booneville Channel	43	54	11	2696	1765	200	732	0	2901.0000	92.9334712
OR_WS_170900030606_02_1 04294	OR_WS_170900030606_02_10 4294;	50	93	43	155385	51826	15014	17068	71478	182279.10 61	85.2456452
OR_WS_170900030606_02_1 04294	OR_WS_170900030606_02_10 4294; Coleman Creek	68	95	27	4595	2439	600	400	1157	5627.2659	81.6559961
OR_WS_170900030606_02_1 04294	OR_WS_170900030606_02_10 4294; Daniels Creek	64	92	28	3673	1819	373	714	767	4471.0000	82.1516439

OR_WS_170900030606_02_1 04294	OR_WS_170900030606_02_10 4294; Dry Muddy Creek	21	87	66	11265	530	408	2189	8138	11683.000 0	96.4221518
OR_WS_170900030606_02_1 04294	OR_WS_170900030606_02_10 4294; Muddy Creek	42	82	40	43539	11339	4601	9471	18128	45693.000 0	95.2859300
OR_WS_170900030607_02_1 04295	OR_WS_170900030607_02_10 4295;	38	90	52	173349	47365	7269	19271	99443	195590.96 55	88.6283268
OR_WS_170900030607_02_1 04295	OR_WS_170900030607_02_10 4295; Bishop Creek	35	89	54	5758	1400	102	368	3889	6147.0000	93.6717098
OR_WS_170900030607_02_1 04295	OR_WS_170900030607_02_10 4295; Little Muddy Creek	7	87	80	5458	0	0	307	5151	6637.0000	82.2359500
OR_WS_170900030607_02_1 04295	OR_WS_170900030607_02_10 4295; Pierce Creek	78	97	19	2282	1645	103	134	400	2884.0000	79.1262136
OR_WS_170900030607_02_1 04295	OR_WS_170900030607_02_10 4295; Putnam Creek	49	92	43	6025	1574	234	1745	2471	6818.0000	88.3690232
OR_WS_170900030607_02_1 04295	OR_WS_170900030607_02_10 4295; Tub Run	43	89	46	10376	2048	1184	2144	5000	10761.000 0	96.4222656
OR_WS_170900030607_02_1 04295	OR_WS_170900030607_02_10 4295; White Creek	54	89	35	7393	3179	600	838	2777	7394.0000	99.9864755
OR_WS_170900030608_02_1 04296	OR_WS_170900030608_02_10 4296;	14	81	67	66262	7333	2199	3594	53136	71640.974 2	92.4917629
OR_WS_170900030608_02_1 04296	OR_WS_170900030608_02_10 4296; Muddy Creek	8	42	34	26	0	0	26	0	26.0000	100.000000 0
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297;	43	91	48	69782	19704	5890	9347	34841	91903.864 9	75.9293421
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Arbor Creek	36	88	52	1978	433	0	200	1345	1980.1560	99.8911192
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Bowers Slough	29	84	55	7661	1495	261	800	5105	7608.0000	100.696635 1
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Calloway Creek	29	88	59	3203	448	200	200	2355	4087.8304	78.3545231
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Dixon Creek	46	84	38	4665	763	502	2000	1400	4903.0000	95.1458291
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Frazier Creek	53	88	35	7419	2862	151	1450	2956	6947.1127	106.792567 5
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Frazier Creek Ditch	9	94	85	1466	0	0	0	1466	7776.4332	18.8518304

OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Jackson Creek	76	89	13	4598	2798	800	1000	0	4592.0000	100.130662 0
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Little Willamette River	38	70	32	3949	1403	400	800	1346	3950.5337	99.9611779
OR_WS_170900030609_02_1 04297	OR_WS_170900030609_02_10 4297; Mountain View Creek	68	89	21	3691	1979	312	600	800	3690.5796	100.011390 4
OR_WS_170900030610_02_1 04298	OR_WS_170900030610_02_10 4298;	22	85	63	102485	14500	3600	9590	74795	105624.88 38	97.0273257
OR_WS_170900030610_02_1 04298	OR_WS_170900030610_02_10 4298; Albany Santiam Canal	54	87	33	13378	5018	1200	3160	4000	13965.000 0	95.7966344
OR_WS_170900030610_02_1 04298	OR_WS_170900030610_02_10 4298; Burkhart Creek	21	85	64	15054	1400	728	1587	11339	15675.219 7	96.0369317
OR_WS_170900030610_02_1 04298	OR_WS_170900030610_02_10 4298; Cox Creek	22	86	64	13458	1558	0	1058	10842	13664.235 5	98.4906914
OR_WS_170900030610_02_1 04298	OR_WS_170900030610_02_10 4298; Murder Creek	58	90	32	3973	1416	400	400	1756	4570.0000	86.9365427
OR_WS_170900030610_02_1 04298	OR_WS_170900030610_02_10 4298; Periwinkle Creek	27	82	55	6350	954	0	800	4595	6345.0000	100.078802 2
OR_WS_170900030610_02_1 04298	OR_WS_170900030610_02_10 4298; Truax Creek	25	85	60	6269	200	1400	381	4288	6661.0000	94.1149977
OR_WS_170900030611_02_1 04299	OR_WS_170900030611_02_10 4299;	25	84	59	45001	7561	2199	6090	29151	47491.176 1	94.7565499
OR_WS_170900030611_02_1 04299	OR_WS_170900030611_02_10 4299; Cole Slough	50	80	30	2403	809	400	800	394	2406.0000	99.8753117
OR_WS_170900030611_02_1 04299	OR_WS_170900030611_02_10 4299; Crooks Creek	43	89	46	13248	3293	1200	2308	6448	14051.000 0	94.2851043
OR_WS_170900030611_02_1 04299	OR_WS_170900030611_02_10 4299; McCarthy Slough	29	80	51	2089	293	248	200	1347	2582.0000	80.9062742
OR_WS_170900040105_02_1 04304	OR_WS_170900040105_02_10 4304;	83	98	15	2984	1851	333	400	400	93354.264 4	3.1964260
OR_WS_170900040105_02_1 04304	OR_WS_170900040105_02_10 4304; Drury Creek	81	91	10	777	664	0	113	0	1061.0000	73.2327992
OR_WS_170900040105_02_1 04304	OR_WS_170900040105_02_10 4304; King Creek	94	93	-1	1572	1572	0	0	0	8016.0333	19.6106970
OR_WS_170900040105_02_1 04304	OR_WS_170900040105_02_10 4304; Owl Creek	86	96	10	1999	1599	0	400	0	3750.0000	53.3066667

OR_WS_170900040105_02_1 04304	OR_WS_170900040105_02_10 4304; Taylor Creek	60	94	34	2294	1057	200	400	637	2547.0000	90.0667452
OR_WS_170900040201_02_1 04305	OR_WS_170900040201_02_10 4305;	74	97	23	1888	1093	0	596	200	172471.17 61	1.0946757
OR_WS_170900040202_02_1 04306	OR_WS_170900040202_02_10 4306;	67	89	22	14534	7504	2101	2224	2705	109582.00 80	13.2631262
OR_WS_170900040202_02_1 04306	OR_WS_170900040202_02_10 4306; Fish Lake Creek	64	97	33	1625	590	257	114	664	2443.0000	66.5165780
OR_WS_170900040202_02_1 04306	OR_WS_170900040202_02_10 4306; Ice Cap Creek	72	82	10	430	400	30	0	0	431.4909	99.6544886
OR_WS_170900040202_02_1 04306	OR_WS_170900040202_02_10 4306; Ikenick Creek	55	83	28	4539	1648	1097	520	1274	6659.7626	68.1555821
OR_WS_170900040202_02_1 04306	OR_WS_170900040202_02_10 4306; McKenzie River	73	97	24	2228	1141	288	400	400	2433.0000	91.5741882
OR_WS_170900040203_02_1 04307	OR_WS_170900040203_02_10 4307;	84	97	13	40564	31145	2102	2650	4667	98944.000 0	40.9969276
OR_WS_170900040203_02_1 04307	OR_WS_170900040203_02_10 4307; Browder Creek	94	98	4	1262	1062	0	200	0	7327.0000	17.2239662
OR_WS_170900040203_02_1 04307	OR_WS_170900040203_02_10 4307; Bunchgrass Creek	85	98	13	1930	1191	538	0	200	4778.0000	40.3934701
OR_WS_170900040203_02_1 04307	OR_WS_170900040203_02_10 4307; Smith River	84	98	14	4058	2624	803	431	200	13106.009 3	30.9628957
OR_WS_170900040204_02_1 04308	OR_WS_170900040204_02_10 4308;	73	94	21	23444	14756	1753	3028	3907	41302.000 0	56.7623844
OR_WS_170900040204_02_1 04308	OR_WS_170900040204_02_10 4308; Bobby Creek	84	95	11	2800	2000	400	200	200	3340.9947	83.8073753
OR_WS_170900040204_02_1 04308	OR_WS_170900040204_02_10 4308; Carmen Creek	76	97	21	946	346	200	400	0	945.9563	100.004621 8
OR_WS_170900040204_02_1 04308	OR_WS_170900040204_02_10 4308; Kink Creek	84	96	12	4634	3725	200	460	249	8707.0000	53.2215459
OR_WS_170900040204_02_1 04308	OR_WS_170900040204_02_10 4308; McKenzie River	67	79	12	6264	3697	1056	1140	371	7469.0000	83.8666488
OR_WS_170900040204_02_1 04308	OR_WS_170900040204_02_10 4308; Payne Creek	78	87	9	650	625	0	0	25	649.0000	100.154083 2
OR_WS_170900040204_02_1 04308	OR_WS_170900040204_02_10 4308; Sweetwater Creek	94	97	3	1500	1300	0	200	0	1897.0000	79.0722193

OR_WS_170900040205_02_1 04309	OR_WS_170900040205_02_10 4309;	79	94	15	7546	5344	603	872	726	140129.55 44	5.3850168
OR_WS_170900040205_02_1 04309	OR_WS_170900040205_02_10 4309; Budworm Creek	93	96	3	725	725	0	0	0	5383.7846	13.4663634
OR_WS_170900040205_02_1 04309	OR_WS_170900040205_02_10 4309; Deer Creek	67	82	15	2507	1341	506	459	200	14838.536 2	16.8951975
OR_WS_170900040205_02_1 04309	OR_WS_170900040205_02_10 4309; Fritz Creek	92	98	6	1675	1475	0	200	0	6147.0000	27.2490646
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310;	85	96	11	35897	28377	1614	4290	1616	141069.79 20	25.4462699
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310; Anderson Creek	93	94	1	2641	2609	33	0	0	11776.000 0	22.4269701
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310; Boulder Creek	93	97	4	3048	2932	0	116	0	11851.000 0	25.7193486
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310; Frissell Creek	74	86	12	957	817	0	0	140	4092.0000	23.3870968
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310; Norwegian Creek	76	97	21	2445	1045	600	600	200	4539.0000	53.8664904
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310; Olallie Creek	88	93	5	2649	2249	200	200	0	4484.0000	59.0767172
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310; Scott Creek	91	96	5	2217	2139	79	0	0	10811.000 0	20.5068911
OR_WS_170900040206_02_1 04310	OR_WS_170900040206_02_10 4310; Twisty Creek	79	92	13	3812	2812	0	600	400	4437.0000	85.9139058
OR_WS_170900040208_02_1 04312	OR_WS_170900040208_02_10 4312;	84	97	13	2032	1432	200	200	200	25760.000 0	7.8881988
OR_WS_170900040208_02_1 04312	OR_WS_170900040208_02_10 4312; Lost Creek	78	89	11	4830	3206	800	624	200	6663.0000	72.4898694
OR_WS_170900040209_02_1 04313	OR_WS_170900040209_02_10 4313;	86	96	10	41532	33936	2659	2241	2695	64355.803 4	64.5349725
OR_WS_170900040209_02_1 04313	OR_WS_170900040209_02_10 4313; Florence Creek	87	95	8	2951	2351	200	400	0	3495.0000	84.4349070
OR_WS_170900040209_02_1 04313	OR_WS_170900040209_02_10 4313; Glen Creek	66	94	28	2196	1212	0	583	400	3026.0000	72.5710509
OR_WS_170900040209_02_1 04313	OR_WS_170900040209_02_10 4313; Goose Creek	91	98	7	2208	1827	381	0	0	2411.0000	91.5802572

OR_WS_170900040209_02_1 04313	OR_WS_170900040209_02_10 4313; Powers Creek	68	91	23	2529	1712	200	17	600	2968.0000	85.2088949
OR_WS_170900040301_02_1 04314	OR_WS_170900040301_02_10 4314;	86	98	12	25798	20383	548	2990	1877	517253.94 00	4.9874922
OR_WS_170900040301_02_1 04314	OR_WS_170900040301_02_10 4314; South Fork McKenzie River	79	97	18	1073	841	0	133	99	17831.019 0	6.0176034
OR_WS_170900040302_02_1 04315	OR_WS_170900040302_02_10 4315;	87	98	11	29859	24193	1130	3070	1466	228534.17 64	13.0654419
OR_WS_170900040302_02_1 04315	OR_WS_170900040302_02_10 4315; Bull Creek	96	97	1	400	400	0	0	0	3346.0000	11.9545726
OR_WS_170900040303_02_1 04316	OR_WS_170900040303_02_10 4316;	88	97	9	62048	50682	4543	5253	1571	346172.37 96	17.9240181
OR_WS_170900040303_02_1 04316	OR_WS_170900040303_02_10 4316; Cascade Creek	93	97	4	1000	1000	0	0	0	2963.0000	33.7495781
OR_WS_170900040303_02_1 04316	OR_WS_170900040303_02_10 4316; Fir Creek	95	96	1	1253	1253	0	0	0	3374.0000	37.1369295
OR_WS_170900040303_02_1 04316	OR_WS_170900040303_02_10 4316; Loon Creek	94	98	4	150	150	0	0	0	4211.0000	3.5620993
OR_WS_170900040303_02_1 04316	OR_WS_170900040303_02_10 4316; South Fork McKenzie River	80	77	-3	5	5	0	0	0		
OR_WS_170900040304_02_1 04317	OR_WS_170900040304_02_10 4317;	87	95	8	66261	53754	5587	4998	1923	269512.79 89	24.5854743
OR_WS_170900040304_02_1 04317	OR_WS_170900040304_02_10 4317; Balm Creek	89	95	6	1557	1346	200	11	0	3435.0000	45.3275109
OR_WS_170900040304_02_1 04317	OR_WS_170900040304_02_10 4317; Blue Creek	85	93	8	1657	1457	200	0	0	3247.0662	51.0306812
OR_WS_170900040304_02_1 04317	OR_WS_170900040304_02_10 4317; Buoy Creek	96	97	1	600	600	0	0	0	4361.0000	13.7583123
OR_WS_170900040304_02_1 04317	OR_WS_170900040304_02_10 4317; Hardy Creek	85	96	11	2261	1805	223	233	0	8144.0000	27.7627701
OR_WS_170900040304_02_1 04317	OR_WS_170900040304_02_10 4317; Starr Creek	80	96	16	1629	986	322	278	43	6967.0000	23.3816564
OR_WS_170900040304_02_1 04317	OR_WS_170900040304_02_10 4317; Trail Creek	96	94	-2	1232	1232	0	0	0	4842.0000	25.4440314
OR_WS_170900040305_02_1 04318	OR_WS_170900040305_02_10 4318;	91	98	7	9207	8180	695	33	298	278686.47 68	3.3037125

OR_WS_170900040306_02_1 04319	OR_WS_170900040306_02_10 4319;	95	98	3	7761	7491	0	0	270	215303.08 13	3.6046860
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320;	90	97	7	72913	63891	4547	3229	1246	252692.82 79	28.8544003
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Annie Creek	97	98	1	893	893	0	0	0	3620.5820	24.6645427
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Basalt Creek	93	99	6	491	491	0	0	0	2516.2392	19.5132480
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Boone Creek	94	97	3	928	928	0	0	0	2569.0000	36.1230051
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Horn Creek	96	94	-2	993	993	0	0	0	3502.0000	28.3552256
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Penny Creek	94	89	-5	493	493	0	0	0	5443.0000	9.0575051
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Rider Creek	90	98	8	394	394	0	0	0	4750.8231	8.2932997
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Ridge Creek	95	98	3	775	775	0	0	0	5121.0000	15.1337629
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Rush Creek	89	98	9	976	776	200	0	0	4565.8343	21.3761592
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Slide Creek	89	98	9	1034	752	82	200	0	1770.0000	58.4180791
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Smith Creek	90	98	8	1604	1391	206	8	0	2664.0000	60.2102102
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Tipsoo Creek	90	95	5	1668	1461	7	200	0	3208.0000	51.9950125
OR_WS_170900040307_02_1 04320	OR_WS_170900040307_02_10 4320; Walker Creek	94	98	4	761	761	0	0	0	8404.0000	9.0552118
OR_WS_170900040308_02_1 04321	OR_WS_170900040308_02_10 4321;	84	96	12	21021	16916	655	2047	1404	48363.414 6	43.4646730
OR_WS_170900040308_02_1 04321	OR_WS_170900040308_02_10 4321; Cougar Creek	76	93	17	1114	699	0	400	14	7153.0000	15.5738851
OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322;	90	97	7	86549	74535	5487	4235	2291	199650.72 27	43.3502062
OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322; Cold Creek	91	98	7	955	755	0	200	0	1465.3516	65.1720725

OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322; Lookout Creek	83	98	15	4443	3121	697	189	435	7106.8126	62.5174777
OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322; Mack Creek	90	98	8	3730	3089	319	322	0	4041.1914	92.2995139
OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322; McRae Creek	84	98	14	4797	3052	600	600	546	5734.2213	83.6556485
OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322; Nostoc Creek	95	97	2	2525	2525	0	0	0	2160.6682	116.861997 8
OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322; Saddle Creek	83	98	15	1604	1096	0	400	107	1971.4370	81.3619718
OR_WS_170900040401_02_1 04322	OR_WS_170900040401_02_10 4322; Shorter Creek	85	97	12	1626	1026	0	600	0	2265.1682	71.7827482
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323;	83	98	15	222802	15588 1	21406	31495	14019	457361.63 59	48.7146237
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Blue River	68	98	30	322	0	122	200	0	1315.2836	24.4814130
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Cook Creek	64	97	33	2199	674	367	200	959	3820.9685	57.5508544
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Flunky Creek	91	98	7	1576	1321	55	200	0	1981.5251	79.5346978
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Mann Creek	63	98	35	2331	746	60	1004	521	3939.2256	59.1740676
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Mona Creek	82	98	16	200	0	200	0	0	3829.0253	5.2232615
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; North Fork Cook Creek	86	98	12	1939	1515	0	400	24		
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Ore Creek	84	98	14	4278	3243	82	822	131		
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Quentin Creek	88	98	10	3274	2833	0	200	241	4714.2739	69.4486584
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Slipout Creek	85	98	13	2786	1956	300	330	200	3084.6552	90.3180356
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Tidbits Creek	88	98	10	3334	2674	383	77	200	5816.2377	57.3222795
OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Trapper Creek	92	98	6	2329	1921	309	100	0	3566.2026	65.3075633

OR_WS_170900040402_02_1 04323	OR_WS_170900040402_02_10 4323; Wolf Creek	77	98	21	1839	965	0	874	0	3141.3162	58.5423389
OR_WS_170900040403_02_1 04324	OR_WS_170900040403_02_10 4324;	90	98	8	4347	3922	24	401	0	120060.82 06	3.6206649
OR_WS_170900040403_02_1 04324	OR_WS_170900040403_02_10 4324; Blue River	47	68	21	1094	294	400	400	0		
OR_WS_170900040403_02_1 04324	OR_WS_170900040403_02_10 4324; Simmonds Creek	96	91	-5	1000	1000	0	0	0	7617.6888	13.1273411
OR_WS_170900040501_02_1 04325	OR_WS_170900040501_02_10 4325;	64	98	34	5669	2587	240	571	2272	232723.50 44	2.4359379
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326;	75	93	18	59864	42314	3979	5636	7936	86241.353 5	69.4144950
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Castle Creek	85	89	4	679	631	0	48	0	678.3062	100.102281 2
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Clapper Creek	93	97	4	827	827	0	0	0	826.2719	100.088117 5
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Cone Creek	92	93	1	1989	1932	56	0	0	5355.5831	37.1388129
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Doris Creek	78	98	20	1928	922	400	200	406	2253.8722	85.5416724
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Elk Creek	94	98	4	2006	2006	0	0	0	5857.7152	34.2454339
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Fern Creek	95	98	3	1956	1956	0	0	0	2153.3593	90.8348192
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Mill Creek	81	96	15	3589	2205	400	800	184	5104.0000	70.3173981
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Sparks Creek	54	97	43	1397	397	0	600	400	1597.0000	87.4765185
OR_WS_170900040502_02_1 04326	OR_WS_170900040502_02_10 4326; Swamp Creek	75	93	18	2208	1603	0	200	404	2403.0000	91.8851436
OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327;	74	97	23	56337	33785	4524	6317	11711	369724.15 09	15.2375764
OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327; Bette Creek	53	94	41	1360	200	200	600	360	2906.0000	46.7997247
OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327; Carolyn Creek	93	97	4	600	600	0	0	0	1268.0000	47.3186120

OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327; Dorothy Creek	76	96	20	1067	667	0	200	200	1718.0000	62.1071013
OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327; Drury Creek	64	96	32	4855	2064	478	658	1655	7115.1808	68.2343868
OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327; Ethel Creek	95	97	2	71	71	0	0	0	1366.0000	5.1976574
OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327; Log Creek	54	97	43	1923	537	200	800	386	4948.0000	38.8641876
OR_WS_170900040601_02_1 04327	OR_WS_170900040601_02_10 4327; Rock Creek	63	97	34	1403	600	200	400	203	1602.0000	87.5780275
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328;	79	97	18	132275	95769	7440	6069	22996	182738.04 33	72.3850369
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328; Cash Creek	86	97	11	8527	7281	79	567	600	10675.555 3	79.8740653
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328; Crooked Creek	90	97	7	3191	2551	440	0	200	6121.2702	52.1297033
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328; Owl Creek	85	98	13	2176	1744	131	0	302	3722.7441	58.4515066
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328; Polly Creek	50	92	42	2637	1023	0	205	1409	3555.0000	74.1772152
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328; Seeley Creek	89	97	8	2956	2398	200	358	0	4444.4528	66.5098750
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328; Shotgun Creek	87	96	9	2815	2177	136	200	303	5058.8290	55.6452886
OR_WS_170900040602_02_1 04328	OR_WS_170900040602_02_10 4328; Showalter Creek	94	97	3	2485	2383	101	0	0	3017.2616	82.3594475
OR_WS_170900040603_02_1 04329	OR_WS_170900040603_02_10 4329;	69	96	27	30782	13533	5228	5017	7004	218175.05 61	14.1088539
OR_WS_170900040603_02_1 04329	OR_WS_170900040603_02_10 4329; Beaver Creek	57	97	40	830	174	200	0	456	2369.0000	35.0358801
OR_WS_170900040603_02_1 04329	OR_WS_170900040603_02_10 4329; Wolf Creek	79	97	18	1129	448	200	480	0	5396.0000	20.9229059
OR_WS_170900040604_02_1 04330	OR_WS_170900040604_02_10 4330;	68	96	28	122255	64240	8636	12686	36693	193466.58 38	63.1917914
OR_WS_170900040604_02_1 04330	OR_WS_170900040604_02_10 4330; Cartwright Creek	59	96	37	1149	319	200	123	507	6628.1194	17.3352338

OR_WS_170900040604_02_1 04330	OR_WS_170900040604_02_10 4330; Parsons Creek	60	96	36	2538	941	416	460	721	3273.0000	77.5435380
OR_WS_170900040604_02_1 04330	OR_WS_170900040604_02_10 4330; Small Creek	62	96	34	3509	1800	154	540	1014	3503.7729	100.149184 6
OR_WS_170900040604_02_1 04330	OR_WS_170900040604_02_10 4330; Wendy Creek	59	92	33	2572	714	231	826	800	2619.4276	98.1893899
OR_WS_170900040604_02_1 04330	OR_WS_170900040604_02_10 4330; Whiskey Creek	52	95	43	3551	1375	0	400	1776	3958.0000	89.7170288
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331;	63	94	31	192994	10055 3	13509	20802	58130	260463.42 66	74.0963914
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; Alder Branch	49	90	41	1781	86	600	573	522	1979.0000	89.9949469
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; Allison Creek	86	94	8	5299	4204	600	200	296	6081.7676	87.1292743
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; Clark Brook	56	82	26	2526	1505	75	346	600	3012.0000	83.8645418
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; McGowan Creek	81	97	16	2811	1835	0	576	400	4090.5636	68.7191362
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; Sister Creek	45	87	42	2026	420	8	524	1074	2818.0000	71.8949610
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; Spores Creek	63	92	29	3607	1813	0	624	1170	4641.9880	77.7037774
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; Stafford Creek	54	95	41	2435	741	109	200	1385	3001.0000	81.1396201
OR_WS_170900040605_02_1 04331	OR_WS_170900040605_02_10 4331; Wade Creek	54	90	36	3617	998	600	917	1102	4020.0340	89.9743632
OR_WS_170900040701_02_1 04332	OR_WS_170900040701_02_10 4332;	79	97	18	19685	12266	1997	2473	2949	381329.25 32	5.1622056
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333;	82	93	11	120392	92859	7796	9375	10362	548636.92 18	21.9438385
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Bear Creek	87	98	11	2125	1912	0	213	0	3377.0000	62.9256737
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Ennis Creek	78	94	16	1166	583	0	584	0	8324.4014	14.0070132
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Gale Creek	93	98	5	518	518	0	0	0	6091.0000	8.5043507

OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Little Bear Creek	92	97	5	1456	1256	200	0	0	1967.0000	74.0213523
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Maple Creek	83	91	8	1756	1319	236	200	0	2367.0000	74.1867343
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Marten Creek	93	98	5	1254	1090	164	0	0	10906.318 4	11.4979222
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Mason Creek	89	91	2	1443	1043	400	0	0	1996.0000	72.2945892
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Rail Creek	76	86	10	1589	1245	3	340	0	2033.2985	78.1488778
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Roberts Creek	96	98	2	135	135	0	0	0	378.0000	35.7142857
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Rough Creek	81	88	7	931	876	24	31	0	2467.0049	37.7380681
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Silver Creek	59	89	30	1929	758	253	224	694	2191.1954	88.0341396
OR_WS_170900040702_02_1 04333	OR_WS_170900040702_02_10 4333; Toms Creek	84	94	10	1403	1179	3	22	200	6719.0000	20.8810835
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334;	73	94	21	63096	40873	3477	8765	9980	346335.99 37	18.2181469
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Cogswell Creek	83	93	10	1827	1384	200	43	200	5865.0215	31.1507812
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Finn Creek	69	97	28	1719	800	196	200	523	7236.6779	23.7539936
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Goose Creek	45	87	42	2370	486	580	200	1104	5118.1472	46.3058190
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Granite Creek	76	97	21	1452	852	0	200	400	1892.0000	76.7441860
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Hatchery Creek	69	96	27	1300	700	0	0	600	5043.1300	25.7776418
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Honey Creek	96	98	2	976	976	0	0	0	2069.4304	47.1627373
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Indian Creek	96	97	1	900	900	0	0	0	7392.1016	12.1751573
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Johnson Creek	75	83	8	1439	1102	330	7	0	6328.6213	22.7379700

OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Miller Creek	70	93	23	1666	818	200	448	200	2165.3129	76.9403816
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Montgomery Creek	46	93	47	1642	103	177	400	962	2271.0000	72.3029502
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Ritchie Creek	89	95	6	1533	1333	0	200	0	9206.0000	16.6521834
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Trout Creek	92	97	5	843	662	181	0	0	6349.9752	13.2756425
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Wallace Creek	49	94	45	1044	400	0	200	444	1041.0000	100.288184 4
OR_WS_170900040703_02_1 04334	OR_WS_170900040703_02_10 4334; Ward Creek	47	88	41	1071	600	0	213	258	1071.8349	99.9221009
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335;	67	91	24	47786	26302	4511	5277	11696	137917.40 98	34.6482725
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Alder Creek	86	96	10	957	757	0	0	200	4260.0000	22.4647887
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Forest Creek	84	88	4	2136	1936	0	0	200	5230.0000	40.8413002
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Haagen Creek	77	93	16	2868	1789	213	665	200	6947.9803	41.2781825
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Holden Creek	79	82	3	2268	2068	200	0	0	7435.9586	30.5004389
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Lane Creek	56	89	33	2667	1069	49	462	1087	6339.0000	42.0728822
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; O'Brien Creek	77	79	2	1373	1373	0	0	0	1579.0000	86.9537682
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Potter Creek	72	86	14	2862	2053	0	400	408	3508.0000	81.5849487
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Spring Creek	95	98	3	1000	1000	0	0	0	2088.0000	47.8927203
OR_WS_170900040704_02_1 04335	OR_WS_170900040704_02_10 4335; Taylor Creek	88	96	8	1893	1693	0	0	200	4639.0000	40.8062082
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336;	63	95	32	93944	41502	10420	13743	28280	181577.49 51	51.7376892
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Beal Creek	80	97	17	2556	1875	368	148	166	3750.0000	68.1600000

OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Camp Creek	71	97	26	357	220	0	0	137	6837.0000	5.2215884
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Gilkey Creek	53	94	41	1780	893	0	200	687	2559.0000	69.5584213
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Nye Creek	59	95	36	1725	725	200	0	800	2830.0000	60.9540636
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Ray Creek	89	87	-2	979	779	200	0	0	3443.0000	28.4345048
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Rock Creek	80	97	17	3057	2257	0	200	600	3453.0000	88.5317116
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Solomon Creek	74	92	18	3154	1180	707	1066	200	4468.2277	70.5872708
OR_WS_170900040705_02_1 04336	OR_WS_170900040705_02_10 4336; Wegner Creek	63	97	34	2968	1009	555	554	850	3314.9611	89.5334801
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337;	64	92	28	154129	74842	13782	23884	41622	219075.58 04	70.3542584
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; Boulder Creek	84	93	9	2664	2243	42	379	0	5522.6941	48.2373268
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; Cedar Creek	92	97	5	2135	2042	94	0	0	4007.3287	53.2773862
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; Cougar Creek	69	96	27	1630	1355	0	0	276	1827.0000	89.2172961
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; East Fork Rawhide Creek	86	95	9	1527	1327	0	200	0	4520.0000	33.7831858
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; Jameson Creek	57	85	28	1305	859	258	0	187	2841.0000	45.9345301
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; Kizer Slough	47	90	43	3328	813	218	831	1466	3467.0000	95.9907701
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; Osborn Creek	82	93	11	2956	2097	432	427	0	4410.0000	67.0294785
OR_WS_170900040706_02_1 04337	OR_WS_170900040706_02_10 4337; Rawhide Creek	66	88	22	2242	1400	383	0	460	3929.0000	57.0628659
OR_WS_170900050303_02_1 04353	OR_WS_170900050303_02_10 4353;	85	97	12	10406	8556	171	308	1370	202218.91 83	5.1459082
OR_WS_170900050303_02_1 04353	OR_WS_170900050303_02_10 4353; Tumble Creek	90	96	6	200	200	0	0	0	4281.9015	4.6708220

OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354;	78	98	20	142662	86318	13631	23586	19127	220289.40 92	64.7611706
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Cold Creek	67	98	31	553	0	400	153	0	554.0000	99.8194946
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Cumley Creek	87	98	11	2081	1655	0	227	200	3055.0000	68.1178396
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Heater Creek	84	99	15	2916	2049	200	390	276	4187.0000	69.6441366
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Kinney Creek	87	98	11	3737	2712	499	398	129	6727.0000	55.5522521
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Lawhead Creek	84	97	13	5415	3857	400	722	436	6814.0000	79.4687408
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; M and M Creek	86	98	12	856	789	0	0	67	1481.0000	57.7987846
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Madill Creek	91	97	6	468	268	200	0	0	668.0000	70.0598802
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Mayflower Creek	79	97	18	1674	1098	176	200	200	2475.4075	67.6252307
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Sardine Creek	77	98	21	2845	1443	329	778	295	5855.0000	48.5909479
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Slate Creek	72	99	27	2147	771	326	828	223	5331.0000	40.2738698
OR_WS_170900050304_02_1 04354	OR_WS_170900050304_02_10 4354; Whitman Creek	82	98	16	2084	1516	86	426	56	2436.0000	85.5500821
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355;	75	96	21	113336	75719	10718	12497	14403	160009.64 36	70.8307309
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Bad Banks Creek	81	93	12	1371	1209	34	117	12	3696.0000	37.0941558
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Big Washout Creek	78	95	17	3535	2246	341	559	390	4632.0000	76.3169257
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Burbank Creek	73	97	24	2732	1735	117	400	480	3640.0000	75.0549451
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Green Creek	82	97	15	3250	2007	332	600	311	3558.4215	91.3326319
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Gun Creek	75	97	22	1148	631	0	317	200	1556.0000	73.7789203

OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Little Sardine Creek	84	94	10	2807	2392	200	215	0	4197.0000	66.8811056
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Little Washout Creek	84	97	13	2445	1927	177	341	0	3050.0000	80.1639344
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Lodore Creek	74	89	15	953	743	0	200	11	1337.0000	71.2789828
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Niagara Creek	81	94	13	1548	948	200	200	200	2122.0000	72.9500471
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Packsaddle Creek	80	91	11	2332	1956	0	376	0	3009.0000	77.5008308
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Sevenmile Creek	86	98	12	3083	2259	424	200	200	5285.0000	58.3349101
OR_WS_170900050401_02_1 04355	OR_WS_170900050401_02_10 4355; Trout Creek	54	92	38	3053	1572	325	20	1136	4104.0000	74.3908382
OR_WS_170900050402_02_1 04356	OR_WS_170900050402_02_10 4356;	85	98	13	162394	12234 3	10992	15017	14042	258520.38 94	62.8167087
OR_WS_170900050402_02_1 04356	OR_WS_170900050402_02_10 4356; East Rock Creek	68	98	30	1162	735	0	91	336	2061.0000	56.3803979
OR_WS_170900050402_02_1 04356	OR_WS_170900050402_02_10 4356; Rock Creek	90	98	8	2272	1925	243	105	0	4580.5993	49.6004966
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357;	73	96	23	142564	87361	11908	13822	29473	206242.69 75	69.1243868
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357; Anderson Creek	83	95	12	2502	1669	394	440	0	3573.0000	70.0251889
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357; Little Rock Creek	84	98	14	1951	1378	111	400	62	2936.0000	66.4509537
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357; Mad Creek	78	98	20	1984	1170	417	174	222	3432.0000	57.8088578
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357; Minto Creek	81	95	14	3570	2790	200	169	411	4402.0000	81.0995002
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357; Pierce Creek	56	92	36	2713	1684	12	60	957	3117.0000	87.0388194
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357; Roland Creek	64	91	27	1103	565	0	338	200	1905.0000	57.9002625
OR_WS_170900050403_02_1 04357	OR_WS_170900050403_02_10 4357; Turnridge Creek	81	98	17	1685	1476	0	0	209	3187.0000	52.8710386

OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358;	62	94	32	164606	77673	16188	17436	53309	233656.02 15	70.4480026
OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358; Alder Creek	62	89	27	1259	1002	0	31	226	1872.0000	67.2542735
OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358; Bradshaw Creek	65	95	30	449	249	0	0	200	2624.7614	17.1063168
OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358; Cherry Creek	41	91	50	964	265	368	184	147	1185.0000	81.3502110
OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358; DeFord Creek	54	96	42	939	186	80	159	514	1929.3891	48.6682536
OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358; Manis Creek	68	92	24	6212	4124	243	460	1385	6177.4412	100.559435 8
OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358; Snake Creek	96	98	2	881	881	0	0	0	1646.2279	53.5162838
OR_WS_170900050404_02_1 04358	OR_WS_170900050404_02_10 4358; Walker Creek	63	93	30	4966	2687	591	568	1120	5877.9907	84.4846519
OR_WS_170900050501_02_1 04565	OR_WS_170900050501_02_10 4565;	83	98	15	128715	93129	12290	16111	7185	179831.26 50	71.5754293
OR_WS_170900050501_02_1 04565	OR_WS_170900050501_02_10 4565; Battle Ax Creek	75	99	24	3543	1110	530	1378	525	5564.3746	63.6729243
OR_WS_170900050501_02_1 04565	OR_WS_170900050501_02_10 4565; Beachie Creek	92	99	7	3936	3768	167	0	0	5011.2274	78.5436320
OR_WS_170900050501_02_1 04565	OR_WS_170900050501_02_10 4565; Little North Santiam River	94	99	5	1076	1076	0	0	0	1494.9154	71.9773158
OR_WS_170900050501_02_1 04565	OR_WS_170900050501_02_10 4565; Opal Creek	71	92	21	2452	1570	640	158	84	3480.9649	70.4402389
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566;	85	97	12	134098	97990	16337	15161	4609	177627.00 16	75.4941528
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Cedar Creek	80	98	18	6474	4233	400	1339	502	8703.6503	74.3825843
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Cold Creek	83	90	7	663	463	200	0	0	630.2183	105.201643 7
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; East Gold Creek	88	99	11	2047	1557	264	226	0	4072.2618	50.2669057
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; East Stack Creek	75	98	23	1605	658	380	322	245	2236.4061	71.7669290

OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Gold Creek	78	99	21	2519	934	966	419	200	3807.3740	66.1610864
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Horn Creek	81	97	16	1144	746	68	330	0	2466.4322	46.3827876
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Little Cedar Creek	89	96	7	2307	2055	201	52	0	2674.5921	86.2561448
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Little North Santiam River	56	83	27	52	0	0	52	0	234.5065	22.1742283
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Stack Creek	76	96	20	1805	1011	433	161	200	1853.3447	97.3914906
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Stony Creek	86	95	9	1612	1190	222	200	0	2036.0633	79.1723908
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Sullivan Creek	77	99	22	2932	1533	328	907	164	4047.2476	72.4442945
OR_WS_170900050502_02_1 04566	OR_WS_170900050502_02_10 4566; Tincup Creek	88	97	9	1867	1506	53	307	0	2055.3484	90.8361796
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567;	81	96	15	212923	15360 1	15246	26159	17917	266329.18 78	79.9473020
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Big Twelve Creek	68	99	31	1992	608	477	322	585	2881.9274	69.1204081
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Buck Creek	94	98	4	3290	3272	18	0	0	4133.9403	79.5850878
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Buckhorn Creek	90	98	8	1356	1180	0	0	177	2155.0581	62.9217375
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Crown Creek	93	95	2	225	225	0	0	0	217.5825	103.409042 2
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Darling Creek	90	96	6	3496	3096	200	200	0	3440.9026	101.601249 3
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Dry Creek	85	95	10	1267	801	200	266	0	2075.5541	61.0439412
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Elkhorn Creek	79	98	19	3785	2370	314	937	164	6962.6366	54.3615902
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Evans Creek	73	99	26	415	105	0	310	0	1334.8122	31.0905150
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Fawn Creek	93	95	2	3090	3090	0	0	0	3658.8186	84.4534895

OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Fish Creek	77	94	17	3245	1807	400	975	63	3884.1054	83.5456225
OR_WS_170900050503_02_1 04567	OR_WS_170900050503_02_10 4567; Henline Creek	83	98	15	3816	2686	443	479	207	4573.1315	83.4439151
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563;	74	95	21	185667	12174 6	12114	19261	32547	228326.49 08	81.3164514
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Bear Creek	89	96	7	1507	1307	0	0	200	2368.0227	63.6395924
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Big Creek	79	97	18	4773	2671	957	760	385	7191.2278	66.3725328
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Canyon Creek	89	97	8	3850	3175	414	260	0	4466.2956	86.2011918
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Chamberlain Creek	62	94	32	1746	989	0	488	270	1999.1475	87.3372292
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Cougar Creek	67	96	29	3404	1452	169	841	942	3771.0545	90.2665289
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Doodle Creek	90	98	8	316	316	0	0	0	290.5478	108.760062 0
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Homestead Creek	80	89	9	2160	1760	200	0	200	2166.6615	99.6925477
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Little Sinker Creek	88	96	8	6242	5839	0	0	403	6903.3769	90.4195164
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Moorehouse Creek	78	98	20	3252	2331	572	161	188	3484.2558	93.3341357
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Sinker Creek	78	98	20	5422	3143	508	1096	675	6897.3009	78.6104605
OR_WS_170900050504_02_1 04563	OR_WS_170900050504_02_10 4563; Wonder Creek	85	96	11	2022	1801	44	65	112	2351.5987	85.9840584
OR_WS_170900050505_02_1 04562	OR_WS_170900050505_02_10 4562;	72	94	22	120719	79479	6885	9411	24944	146121.01 51	82.6157688
OR_WS_170900050505_02_1 04562	OR_WS_170900050505_02_10 4562; Beaver Creek	91	95	4	1294	1246	0	47	0	1466.6073	88.2308471
OR_WS_170900050505_02_1 04562	OR_WS_170900050505_02_10 4562; Cox Creek	86	95	9	1729	1329	400	0	0	1892.6714	91.3523605
OR_WS_170900050505_02_1 04562	OR_WS_170900050505_02_10 4562; Jeeter Creek	95	93	-2	1725	1725	0	0	0	1759.9080	98.0164889

OR_WS_170900050505_02_1 04562	OR_WS_170900050505_02_10 4562; Kiel Creek	79	94	15	3162	2314	370	0	478	5020.3475	62.9836885
OR_WS_170900050505_02_1 04562	OR_WS_170900050505_02_10 4562; Noroma Creek	96	95	-1	1093	1093	0	0	0	1366.9735	79.9576577
OR_WS_170900050505_02_1 04562	OR_WS_170900050505_02_10 4562; Polly Creek	83	93	10	2054	1537	292	225	0	2567.0245	80.0148184
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359;	54	94	40	148884	62837	8579	18260	59208	184698.00 49	80.6094252
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Alder Creek	44	89	45	6920	1754	705	1051	3410	7599.4542	91.0591713
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Ayers Creek	84	96	12	1148	762	186	200	0	2342.0000	49.0179334
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Mulkey Creek	74	97	23	2601	1680	91	395	435	3152.1858	82.5141705
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; North Fork Valentine Creek	44	95	51	1971	228	24	484	1235	3220.0000	61.2111801
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Shellburg Creek	89	97	8	2390	1990	400	0	0	2957.0000	80.8251606
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; South Fork Valentine Creek	34	96	62	2821	503	0	390	1928	2846.0000	99.1215741
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Stout Creek	87	97	10	6971	6048	0	568	354	8375.0000	83.2358209
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Tietz Creek	82	96	14	2245	1435	600	210	0	2516.6211	89.2069121
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Trask Creek	45	96	51	7051	1795	999	493	3763	8531.3699	82.6479227
OR_WS_170900050601_02_1 04359	OR_WS_170900050601_02_10 4359; Valentine Creek	51	90	39	4839	1603	200	742	2295	5814.0000	83.2301342
OR_WS_170900050602_02_1 04360	OR_WS_170900050602_02_10 4360;	27	95	68	97137	12593	5510	8623	70411	117706.92 54	82.5244561
OR_WS_170900050602_02_1 04360	OR_WS_170900050602_02_10 4360; Bear Branch	60	97	37	9072	2919	1208	2392	2553	9864.4106	91.9669750
OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361;	17	88	71	107534	8407	4454	7793	86879	126835.88 26	84.7820016
OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361; Cold Creek	34	93	59	8120	1037	889	1289	4905	8823.5068	92.0269025

OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361; Edgar Slough	49	92	43	538	200	0	0	338	594.0000	90.5723906
OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361; Logan Slough	59	94	35	759	200	14	345	200	958.9718	79.1472684
OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361; Marion Creek	30	88	58	6510	440	400	1244	4425	6124.0961	106.301401 9
OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361; Marion Ditch	5	85	80	7131	0	0	0	7131	9754.1081	73.1076584
OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361; Sidney Ditch	49	87	38	2803	1034	250	200	1320	3402.6114	82.3779052
OR_WS_170900050603_02_1 04361	OR_WS_170900050603_02_10 4361; Smallman Creek	63	86	23	2663	1063	600	600	400	2662.6954	100.011439 5
OR_WS_170900050604_02_1 04362	OR_WS_170900050604_02_10 4362;	24	87	63	129522	18994	5328	12854	92346	162888.42 14	79.5157807
OR_WS_170900050604_02_1 04362	OR_WS_170900050604_02_10 4362; Chehulpum Creek	38	90	52	2166	477	342	200	1147	3303.9130	65.5586276
OR_WS_170900050604_02_1 04362	OR_WS_170900050604_02_10 4362; Jefferson Ditch	20	91	71	3644	0	374	513	2756	4034.7734	90.3148622
OR_WS_170900050604_02_1 04362	OR_WS_170900050604_02_10 4362; Morgan Creek	21	72	51	7167	830	612	779	4946	7974.0495	89.8790510
OR_WS_170900050604_02_1 04362	OR_WS_170900050604_02_10 4362; Porter Slough	40	48	8	691	291	200	200	0	691.0000	100.000000 0
OR_WS_170900050604_02_1 04362	OR_WS_170900050604_02_10 4362; Sidney Ditch	32	86	54	5062	415	400	1406	2841	5864.0000	86.3233288
OR_WS_170900060104_02_1 04366	OR_WS_170900060104_02_10 4366;	75	96	21	24610	15342	1822	3578	3867	305734.00 75	8.0494807
OR_WS_170900060104_02_1 04366	OR_WS_170900060104_02_10 4366; Elk Creek	81	95	14	2174	1813	0	154	207	2700.9922	80.4889400
OR_WS_170900060104_02_1 04366	OR_WS_170900060104_02_10 4366; Maple Creek	74	98	24	2268	1344	200	549	176	3083.0000	73.5647097
OR_WS_170900060201_02_1 04367	OR_WS_170900060201_02_10 4367;	83	97	14	20656	15650	1657	1246	2102	282564.12 52	7.3101991
OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368;	82	97	15	88309	65709	5635	6651	10314	252344.43 28	34.9954223
OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368; Crazy Creek	92	98	6	583	403	0	180	0	1311.0000	44.4698703

OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368; Elk Creek	88	98	10	436	236	0	200	0	2895.0000	15.0604491
OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368; Lamb Creek	72	97	25	473	40	337	0	96	523.0000	90.4397706
OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368; Ram Creek	90	98	8	1748	1548	0	0	200	2583.0000	67.6732482
OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368; Sheep Creek	66	98	32	937	331	0	274	332	5314.0000	17.6326684
OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368; Storm Creek	96	98	2	553	553	0	0	0	1243.0000	44.4891392
OR_WS_170900060202_02_1 04368	OR_WS_170900060202_02_10 4368; Toll Creek	87	96	9	1683	1625	0	0	58	3208.0000	52.4625935
OR_WS_170900060203_02_1 04369	OR_WS_170900060203_02_10 4369;	92	98	6	7889	6893	600	222	175	95605.928 1	8.2515804
OR_WS_170900060203_02_1 04369	OR_WS_170900060203_02_10 4369; Harter Creek	85	98	13	330	152	0	178	0	6453.0000	5.1139005
OR_WS_170900060203_02_1 04369	OR_WS_170900060203_02_10 4369; Taylor Creek	95	98	3	1913	1913	0	0	0	2503.0000	76.4282861
OR_WS_170900060204_02_1 04370	OR_WS_170900060204_02_10 4370;	65	98	33	398	25	105	0	268	203425.52 81	0.1956490
OR_WS_170900060205_02_1 04371	OR_WS_170900060205_02_10 4371;	95	99	4	275	275	0	0	0	96516.766 3	0.2849246
OR_WS_170900060206_02_1 04372	OR_WS_170900060206_02_10 4372;	86	98	12	2589	1649	241	499	200	122404.13 98	2.1151245
OR_WS_170900060206_02_1 04372	OR_WS_170900060206_02_10 4372; Husted Creek	76	98	22	1632	632	200	400	400	1787.4551	91.3029953
OR_WS_170900060206_02_1 04372	OR_WS_170900060206_02_10 4372; Whiterock Creek	91	98	7	785	728	57	0	0	2425.0000	32.3711340
OR_WS_170900060207_02_1 04373	OR_WS_170900060207_02_10 4373;	85	97	12	10336	8073	782	915	567	134301.12 13	7.6961383
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374;	89	97	8	223256	18845 9	10751	14090	9956	335186.06 65	66.6065873
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Boulder Creek	95	98	3	2930	2730	200	0	0	5597.0000	52.3494729
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Channel Creek	96	97	1	515	515	0	0	0	1100.6670	46.7898089

OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Falls Creek	77	92	15	5720	4017	452	246	1006	9773.3286	58.5266310
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Keith Creek	90	98	8	883	663	220	0	0	1988.0000	44.4164990
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Little Boulder Creek	93	98	5	2283	2083	0	200	0	2978.0000	76.6621894
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Rooster Creek	94	98	4	691	491	0	200	0	1288.7315	53.6186181
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Stewart Creek	93	98	5	1881	1717	0	0	164	2628.7643	71.5545326
OR_WS_170900060208_02_1 04374	OR_WS_170900060208_02_10 4374; Trout Creek	93	98	5	1556	1556	0	0	0	3854.0000	40.3736378
OR_WS_170900060302_02_1 04376	OR_WS_170900060302_02_10 4376;	73	93	20	5755	3748	338	906	763	173645.69 68	3.3142198
OR_WS_170900060303_02_1 04377	OR_WS_170900060303_02_10 4377;	79	97	18	48461	26203	6841	11280	4137	355822.06 72	13.6194476
OR_WS_170900060303_02_1 04377	OR_WS_170900060303_02_10 4377; Beverly Creek	74	98	24	2269	898	774	436	161	4939.7118	45.9338542
OR_WS_170900060303_02_1 04377	OR_WS_170900060303_02_10 4377; Cedar Creek	90	96	6	390	390	0	0	0	1416.0000	27.5423729
OR_WS_170900060304_02_1 04378	OR_WS_170900060304_02_10 4378;	82	97	15	212196	14897 7	19406	27869	15944	339145.10 65	62.5679085
OR_WS_170900060304_02_1 04378	OR_WS_170900060304_02_10 4378; Boulder Creek	73	95	22	3178	1886	509	278	506	5892.0000	53.9375424
OR_WS_170900060304_02_1 04378	OR_WS_170900060304_02_10 4378; Thomas Fork	74	98	24	968	412	97	258	200	2372.5267	40.8003838
OR_WS_170900060304_02_1 04378	OR_WS_170900060304_02_10 4378; West Fork Quartzville Creek	91	98	7	1983	1968	0	0	14	4509.1331	43.9774108
OR_WS_170900060304_02_1 04378	OR_WS_170900060304_02_10 4378; Yellowbottom Creek	87	97	10	1955	1421	316	19	200	3091.0000	63.2481398
OR_WS_170900060304_02_1 04378	OR_WS_170900060304_02_10 4378; Yellowstone Creek	90	98	8	2366	1790	419	156	0	4127.0000	57.3297795
OR_WS_170900060305_02_1 04379	OR_WS_170900060305_02_10 4379;	78	96	18	155844	10978 9	9565	11713	24777	241403.07 41	64.5575872
OR_WS_170900060305_02_1 04379	OR_WS_170900060305_02_10 4379; Four Bit Creek	87	92	5	1593	1348	200	45	0	2283.0000	69.7766097

OR_WS_170900060305_02_1 04379	OR_WS_170900060305_02_10 4379; Manzanita Creek	93	98	5	801	781	21	0	0	1459.0000	54.9006169
OR_WS_170900060305_02_1 04379	OR_WS_170900060305_02_10 4379; Moose Creek	84	98	14	588	497	75	16	0	1040.0000	56.5384615
OR_WS_170900060305_02_1 04379	OR_WS_170900060305_02_10 4379; Panther Creek	84	92	8	1451	1200	142	108	0	2829.6667	51.2781233
OR_WS_170900060305_02_1 04379	OR_WS_170900060305_02_10 4379; Trout Creek	92	98	6	2626	2371	102	152	0	2835.0000	92.6278660
OR_WS_170900060306_02_1 04380	OR_WS_170900060306_02_10 4380;	78	98	20	134678	88592	10457	13288	22341	269703.05 68	49.9356595
OR_WS_170900060306_02_1 04380	OR_WS_170900060306_02_10 4380; Cave Creek	93	95	2	1389	1265	125	0	0	1708.0000	81.3231850
OR_WS_170900060306_02_1 04380	OR_WS_170900060306_02_10 4380; Rumbaugh Creek	82	98	16	1425	837	189	200	200	2340.0000	60.8974359
OR_WS_170900060306_02_1 04380	OR_WS_170900060306_02_10 4380; Tally Creek	85	98	13	1142	686	0	457	0	5819.9315	19.6222240
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381;	83	98	15	135353	99682	9469	11566	14636	227179.86 71	59.5796633
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; Big Alder Creek	69	97	28	1940	990	115	126	709	3927.0000	49.4015788
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; Cow Creek	95	98	3	724	724	0	0	0	1159.0000	62.4676445
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; Deadman Creek	83	98	15	3030	1767	540	546	178	6143.2292	49.3225938
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; East Fork Whitcomb Creek	89	98	9	2565	1594	571	400	0	3967.0000	64.6584321
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; Green Peter Creek	86	98	12	2566	1867	460	238	0	4782.0000	53.6595567
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; Little Bottom Creek	91	98	7	1088	901	53	0	135	2180.0000	49.9082569
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; Thistle Creek	87	98	11	2703	2287	141	0	274	4017.0000	67.2890217
OR_WS_170900060307_02_1 04381	OR_WS_170900060307_02_10 4381; Whitcomb Creek	87	98	11	2152	1697	0	103	352	3719.0000	57.8650175
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382;	71	96	25	104745	60751	8410	12849	22735	131111.68 64	79.8899037

OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Bucksnot Creek	60	94	34	4262	2283	200	400	1379	4468.0000	95.3894360
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Cabin Creek	63	95	32	2904	1800	0	212	892	3110.0000	93.3762058
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Deer Creek	77	96	19	2548	1466	400	499	183	2933.4758	86.8594181
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Dobbin Creek	93	94	1	2411	2411	0	0	0	7755.4267	31.0879089
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Mouse Creek	92	97	5	1600	1600	0	0	0	4002.4090	39.9759249
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Shot Pouch Creek	80	98	18	1295	1001	158	35	100	4257.4907	30.4169776
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Soda Creek	79	96	17	2318	1600	212	200	306	3837.6253	60.4019371
OR_WS_170900060401_02_1 04382	OR_WS_170900060401_02_10 4382; Wolf Creek	91	98	7	1855	1655	0	200	0	6037.2090	30.7261189
OR_WS_170900060402_02_1 04383	OR_WS_170900060402_02_10 4383;	66	96	30	41489	20318	5314	5244	10613	46700.000 0	88.8415418
OR_WS_170900060402_02_1 04383	OR_WS_170900060402_02_10 4383; Coal Creek	88	98	10	3605	3046	302	257	0	3834.1483	94.0234891
OR_WS_170900060402_02_1 04383	OR_WS_170900060402_02_10 4383; Gedney Creek	87	96	9	4393	3992	200	200	1	4768.0000	92.1350671
OR_WS_170900060402_02_1 04383	OR_WS_170900060402_02_10 4383; Hughes Creek	74	97	23	2150	1508	0	443	200	2355.0000	91.2951168
OR_WS_170900060402_02_1 04383	OR_WS_170900060402_02_10 4383; Lewis Creek	71	93	22	3954	2007	504	1002	442	4512.2539	87.6280471
OR_WS_170900060402_02_1 04383	OR_WS_170900060402_02_10 4383; Ralston Creek	67	97	30	879	479	0	200	200	1221.0000	71.9901720
OR_WS_170900060501_02_1 04384	OR_WS_170900060501_02_10 4384;	61	96	35	21201	9061	1629	4136	6375	115571.34 89	18.3445120
OR_WS_170900060501_02_1 04384	OR_WS_170900060501_02_10 4384; Cedar Creek	87	98	11	882	735	0	146	0	1573.0000	56.0712015
OR_WS_170900060501_02_1 04384	OR_WS_170900060501_02_10 4384; Little Wiley Creek	76	97	21	1660	936	118	200	407	14563.711 4	11.3981935
OR_WS_170900060502_02_1 04385	OR_WS_170900060502_02_10 4385;	62	97	35	101554	43589	9169	15970	32825	337907.65 08	30.0537735

OR_WS_170900060502_02_1 04385	OR_WS_170900060502_02_10 4385; Jackson Creek	67	95	28	3868	2150	101	0	1617	5046.0000	76.6547761
OR_WS_170900060502_02_1 04385	OR_WS_170900060502_02_10 4385; Peck Creek	83	95	12	720	499	0	221	0	1322.0000	54.4629349
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386;	71	97	26	283115	16669 9	21729	35667	59019	402540.75 14	70.3320096
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; Bald Barney Creek	91	98	7	3982	3525	344	113	0	5327.0000	74.7512671
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; Bald Peter Creek	87	98	11	5561	4495	410	456	200	8956.0000	62.0924520
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; Bonnie Creek	87	98	11	2197	1443	673	81	0	4799.0224	45.7801575
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; Camp Creek	82	98	16	3675	2130	822	522	200	5106.0000	71.9741481
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; Crabtree Creek	75	92	17	4974	3402	365	737	469	7916.6999	62.8292097
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; Cruiser Creek	75	98	23	3904	2375	390	400	740	5275.0000	74.0094787
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; Dorgan Creek	67	98	31	2790	1197	112	1015	466	4149.0000	67.2451193
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; South Fork Crabtree Creek	90	98	8	6390	4938	687	765	0	9937.0802	64.3046032
OR_WS_170900060601_02_1 04386	OR_WS_170900060601_02_10 4386; White Rock Creek	88	98	10	2787	2504	200	47	36	4027.6776	69.1962045
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387;	69	95	26	215532	12522 8	12871	22641	54792	307690.67 61	70.0482714
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Church Creek	79	94	15	2697	1796	544	177	179	3794.0000	71.0859251
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Crabtree Creek	86	94	8	30	30	0	0	0	30.0000	100.000000 0
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Green Mountain Creek	89	97	8	5599	4747	542	310	0	8307.0000	67.4009871
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Hunter Creek	77	93	16	4560	2947	454	200	959	6064.0000	75.1978892
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Lacombe Irrigation Canal	61	97	36	5577	2009	338	1004	2226	6967.0000	80.0488015

OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Milky Fork	53	95	42	2740	625	311	1081	724	3826.2147	71.6112460
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Roaring River	92	98	6	5728	5147	314	267	0	8596.0000	66.6356445
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; Rock Creek	90	98	8	3375	2885	444	46	0	4573.0000	73.8027553
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; South Roaring River	77	98	21	4269	2103	538	854	774	6062.0000	70.4223029
OR_WS_170900060602_02_1 04387	OR_WS_170900060602_02_10 4387; West Fork Rock Creek	94	98	4	4141	3966	0	175	0	6384.0000	64.8652882
OR_WS_170900060603_02_1 04388	OR_WS_170900060603_02_10 4388;	42	94	52	196980	50233	11238	26689	10881 9	262761.97 65	74.9651843
OR_WS_170900060603_02_1 04388	OR_WS_170900060603_02_10 4388; Beaver Creek	79	93	14	4701	3354	354	694	300	7992.0000	58.8213213
OR_WS_170900060603_02_1 04388	OR_WS_170900060603_02_10 4388; Carter Creek	51	91	40	5437	1633	1443	366	1995	6560.0000	82.8810976
OR_WS_170900060603_02_1 04388	OR_WS_170900060603_02_10 4388; Cold Spring Creek	16	89	73	3183	200	93	0	2891	3932.0000	80.9511699
OR_WS_170900060603_02_1 04388	OR_WS_170900060603_02_10 4388; Lacombe Irrigation Canal	22	97	75	4982	400	400	200	3982	4974.0000	100.160836 3
OR_WS_170900060603_02_1 04388	OR_WS_170900060603_02_10 4388; South Fork Beaver Creek	73	93	20	4115	2153	115	1481	366	5503.0000	74.7773941
OR_WS_170900060604_02_1 04389	OR_WS_170900060604_02_10 4389;	37	90	53	195958	40701	11737	20125	12339 5	266766.11 25	73.4568563
OR_WS_170900060604_02_1 04389	OR_WS_170900060604_02_10 4389; Burgen Creek	47	87	40	4023	1110	400	794	1720	4826.0000	83.3609615
OR_WS_170900060604_02_1 04389	OR_WS_170900060604_02_10 4389; Craft Creek	33	92	59	1601	136	57	200	1207	2300.0000	69.6086957
OR_WS_170900060604_02_1 04389	OR_WS_170900060604_02_10 4389; Stud Horse Creek	39	92	53	8749	1426	453	1850	5020	9290.0000	94.1765339
OR_WS_170900060701_02_1 04390	OR_WS_170900060701_02_10 4390;	78	98	20	177420	11193 7	16163	26291	23029	303358.44 09	58.4852689
OR_WS_170900060701_02_1 04390	OR_WS_170900060701_02_10 4390; Thomas Creek	77	98	21	2769	1095	689	614	370	7538.9892	36.7290617
OR_WS_170900060702_02_1 04391	OR_WS_170900060702_02_10 4391;	82	95	13	180513	13608 5	14245	15787	14396	264314.28 26	68.2948338

OR_WS_170900060702_02_1 04391	OR_WS_170900060702_02_10 4391; Ella Creek	85	96	11	2880	2472	0	259	149	6717.0000	42.8762841
OR_WS_170900060702_02_1 04391	OR_WS_170900060702_02_10 4391; Hall Creek	89	98	9	1531	1351	0	180	0	3525.0000	43.4326241
OR_WS_170900060702_02_1 04391	OR_WS_170900060702_02_10 4391; Hortense Creek	87	97	10	2850	2310	82	458	0	4912.0000	58.0211726
OR_WS_170900060702_02_1 04391	OR_WS_170900060702_02_10 4391; Indian Prairie Creek	82	97	15	3814	3269	424	0	121	7364.0000	51.7925041
OR_WS_170900060702_02_1 04391	OR_WS_170900060702_02_10 4391; West Fork Ella Creek	82	98	16	1837	1200	207	200	230	2829.0000	64.9346059
OR_WS_170900060703_02_1 04392	OR_WS_170900060703_02_10 4392;	61	93	32	222768	11142 6	13308	22914	75119	308646.12 76	72.1758610
OR_WS_170900060703_02_1 04392	OR_WS_170900060703_02_10 4392; Avery Creek	82	96	14	3105	2404	18	93	590	5333.0000	58.2223889
OR_WS_170900060703_02_1 04392	OR_WS_170900060703_02_10 4392; Bear Creek	88	94	6	2420	2220	0	0	200	3686.0000	65.6538253
OR_WS_170900060703_02_1 04392	OR_WS_170900060703_02_10 4392; Criminal Creek	74	94	20	2314	1597	135	248	335	4227.3280	54.7390687
OR_WS_170900060703_02_1 04392	OR_WS_170900060703_02_10 4392; Jordan Creek	80	94	14	6909	4654	1023	603	629	9494.2080	72.7706827
OR_WS_170900060704_02_1 04393	OR_WS_170900060704_02_10 4393;	75	96	21	155366	10148 0	9544	14273	30068	229075.07 06	67.8231811
OR_WS_170900060704_02_1 04393	OR_WS_170900060704_02_10 4393; Bilyeu Creek	82	97	15	6119	4876	273	736	234	8175.0000	74.8501529
OR_WS_170900060704_02_1 04393	OR_WS_170900060704_02_10 4393; Blue Creek	53	94	41	3475	958	400	658	1458	5293.0000	65.6527489
OR_WS_170900060704_02_1 04393	OR_WS_170900060704_02_10 4393; Burmester Creek	70	94	24	3748	2105	485	564	594	4692.0000	79.8806479
OR_WS_170900060704_02_1 04393	OR_WS_170900060704_02_10 4393; South Fork Neal Creek	90	97	7	1713	1619	0	0	93	2858.0000	59.9370189
OR_WS_170900060704_02_1 04393	OR_WS_170900060704_02_10 4393; Wildwood Creek	67	94	27	1369	1059	0	0	310	1882.0000	72.7417641
OR_WS_170900060705_02_1 04394	OR_WS_170900060705_02_10 4394;	37	90	53	151464	35671	9623	18075	88095	193423.07 46	78.3070997
OR_WS_170900060705_02_1 04394	OR_WS_170900060705_02_10 4394; Mill Creek	66	92	26	4727	2125	224	887	1491	7059.0000	66.9641592

OR_WS_170900060705_02_1 04394	OR_WS_170900060705_02_10 4394; Novak Slough	32	69	37	506	62	0	386	57	506.0000	100.000000 0
OR_WS_170900060705_02_1 04394	OR_WS_170900060705_02_10 4394; Peters Ditch	17	85	68	6599	511	200	400	5488	7131.0000	92.5396158
OR_WS_170900060705_02_1 04394	OR_WS_170900060705_02_10 4394; Sucker Slough	29	87	58	11962	2581	400	1103	7877	16056.035 4	74.5015798
OR_WS_170900060705_02_1 04394	OR_WS_170900060705_02_10 4394; Thomas Creek	21	36	15	5769	1893	1200	2477	200	5967.0000	96.6817496
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395;	48	93	45	160127	50375	12801	22730	74221	198691.36 73	80.5908189
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Ames Creek	68	94	26	9702	4494	1214	1825	2169	11880.000 0	81.6666667
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Bigbee Creek	32	91	59	2757	554	0	51	2153	3028.0000	91.0501982
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Cotton Creek	31	87	56	1214	0	400	200	614	1230.0000	98.6991870
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Gabriel Creek	54	90	36	4393	1907	200	200	2085	4967.0000	88.4437286
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Little Creek	61	90	29	4177	1637	246	1294	1000	4413.0000	94.6521641
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Roaring Creek	56	95	39	2938	1035	266	730	906	3641.7067	80.6764598
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Sharon Creek	46	76	30	814	435	200	0	179	1174.0000	69.3356048
OR_WS_170900060801_02_1 04395	OR_WS_170900060801_02_10 4395; Taylor Creek	52	95	43	3102	1051	0	629	1422	3418.0000	90.7548274
OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396;	61	96	35	101108	40521	9462	15153	35973	126712.65 34	79.7931361
OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396; Cedar Creek	86	97	11	5126	3953	435	462	275	5891.0000	87.0140893
OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396; Fall Creek	61	97	36	2703	679	400	919	705	3502.0000	77.1844660
OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396; Johnson Creek	73	96	23	2607	966	441	600	600	3575.0000	72.9230769
OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396; McDowell Creek	87	97	10	9837	8183	0	1342	312	13448.489 8	73.1457594

OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396; Morgan Creek	56	93	37	3499	1384	374	351	1390	4710.0000	74.2887473
OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396; Orchard Creek	70	93	23	2293	1271	47	375	600	2568.1921	89.2845993
OR_WS_170900060802_02_1 04396	OR_WS_170900060802_02_10 4396; South Fork McDowell Creek	84	97	13	2929	2279	200	87	363	3124.0000	93.7580026
OR_WS_170900060803_02_1 04397	OR_WS_170900060803_02_10 4397;	50	92	42	141019	48251	12225	19064	61480	180937.12 03	77.9381256
OR_WS_170900060803_02_1 04397	OR_WS_170900060803_02_10 4397; Noble Creek	50	86	36	3307	1565	80	379	1283	4811.0000	68.7383080
OR_WS_170900060803_02_1 04397	OR_WS_170900060803_02_10 4397; Vail Creek	60	91	31	6429	2797	1200	600	1832	6563.7674	97.9467987
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398;	58	95	37	197812	77258	16527	28985	75042	256598.24 46	77.0901610
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; Billy Creek	46	93	47	3402	394	151	1228	1630	4624.7922	73.5600618
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; Deer Creek	79	96	17	1913	1223	253	437	0	2110.0000	90.6635071
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; First Creek	52	94	42	2116	200	422	744	750	2294.0000	92.2406277
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; Hamilton Creek	90	97	7	3679	3109	400	170	0	5384.9193	68.3204299
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; Jack Creek	67	92	25	3378	1886	49	1018	426	4543.0000	74.3561523
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; Mint Creek	55	93	38	1520	310	0	744	466	1875.5704	81.0420109
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; Scott Creek	82	96	14	3286	2280	400	600	6	4035.0000	81.4374226
OR_WS_170900060804_02_1 04398	OR_WS_170900060804_02_10 4398; South Fork Scott Creek	89	97	8	6837	6023	310	486	18	9695.4385	70.5176976
OR_WS_170900060805_02_1 04399	OR_WS_170900060805_02_10 4399;	43	93	50	108536	27260	8542	14915	57819	138736.05 53	78.2320066
OR_WS_170900060805_02_1 04399	OR_WS_170900060805_02_10 4399; Albany Santiam Canal	38	73	35	882	243	224	0	414	883.0000	99.8867497
OR_WS_170900060805_02_1 04399	OR_WS_170900060805_02_10 4399; East Channel South Santiam River	50	62	12	535	535	0	0	0	535.0000	100.000000 0

OR_WS_170900060805_02_1 04399	OR_WS_170900060805_02_10 4399; Lebanon Santiam Canal	46	86	40	7697	1457	1000	2042	3198	7697.0000	100.000000 0
OR_WS_170900060805_02_1 04399	OR_WS_170900060805_02_10 4399; Marks Slough	40	73	33	2331	677	227	600	826	2531.0000	92.0979850
OR_WS_170900060805_02_1 04399	OR_WS_170900060805_02_10 4399; Onehorse Slough	47	87	40	13438	4030	881	3744	4783	18203.000 0	73.8229962
OR_WS_170900060806_02_1 04400	OR_WS_170900060806_02_10 4400;	21	88	67	85664	11090	3048	7482	64044	95816.000 0	89.4046923
OR_WS_170900060806_02_1 04400	OR_WS_170900060806_02_10 4400; Fry Creek	52	87	35	1704	587	232	229	655	1705.0000	99.9413490
OR_WS_170900060806_02_1 04400	OR_WS_170900060806_02_10 4400; Lakeview Slough	40	90	50	3742	800	600	455	1886	4511.9540	82.9352425
OR_WS_170900060806_02_1 04400	OR_WS_170900060806_02_10 4400; Mill Creek	36	94	58	16951	1617	2099	2262	10972	17305.758 2	97.9500569
OR_WS_170900060806_02_1 04400	OR_WS_170900060806_02_10 4400; Oak Creek	52	92	40	7363	2280	400	1985	2699	7569.0000	97.2783723
OR_WS_170900060806_02_1 04400	OR_WS_170900060806_02_10 4400; Spring Branch	47	79	32	8301	2697	1477	2095	2032	8756.6284	94.7967603
OR_WS_170900060806_02_1 04400	OR_WS_170900060806_02_10 4400; Spring Creek	30	95	65	1876	0	0	400	1476	2076.7318	90.3342467
OR_WS_170900070201_02_1 04409	OR_WS_170900070201_02_10 4409;	8	94	86	200	0	0	0	200	26196.781 1	0.7634526

Table 4: Shade results stratified by HUC8 subbasin in the Southern Willamette Subbasins study area.

Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
17090001: Middle Fork Willamette	76	95	19	1830.7	1221.2	126.6	206.4	276.4
17090002: Coast Fork Willamette	74	96	22	2690.8	1715.7	179.9	273.9	521.3
17090003: Upper Willamette	56	91	35	7353.0	3069.2	563.2	985.3	2735.2
17090004: McKenzie	72	91	19	2536.4	1638.4	210.0	304.0	384.0

Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
17090005: North Santiam	67	94	27	2391.6	1309.7	189.6	276.4	615.9
17090006: South Santiam	66	94	28	4607.6	2394.4	358.4	578.2	1276.6

Table 5: Shade results stratified by HUC10 watershed in the Southern Willamette Subbasins study area.

Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
1709000101: Headwaters Middle Fork Willamette River	76	96	20	151.0	90.0	18.8	25.8	16.4
1709000102: Hills Creek	77	97	20	23.8	15.0	1.1	3.7	4.1
1709000103: Salt Creek	80	90	10	34.6	26.3	2.9	4.2	1.2
1709000104: Salmon Creek	65	90	25	31.2	17.5	1.5	5.3	6.9
1709000105: Hills Creek Reservoir-Middle Fork Willamette River	79	92	13	275.7	198.7	23.0	35.2	18.9
1709000106: North Fork Middle Fork Willamette River	74	90	16	74.1	48.8	6.9	10.5	8.0
1709000107: Lookout Point Reservoir-Middle Fork Willamette River	83	96	13	863.7	663.3	42.2	64.5	93.7
1709000108: Little Fall Creek	55	93	38	13.6	3.2	2.1	3.4	4.9
1709000109: Fall Creek	67	95	28	212.4	107.5	17.4	30.8	56.7
1709000110: Pudding Creek-Middle Fork Willamette River	49	91	42	150.7	51.0	10.8	23.1	65.7
1709000201: Mosby Creek	82	97	15	535.3	400.6	31.4	38.6	64.7

Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
1709000202: Row River	76	97	21	873.3	582.3	50.2	86.2	154.6
1709000203: Upper Coast Fork Willamette River	77	96	19	771.1	522.4	53.0	69.6	126.1
1709000204: Lower Coast Fork Willamette River	58	92	34	511.1	210.4	45.3	79.4	175.9
1709000301: Long Tom River	58	92	34	1756.4	767.6	130.8	239.5	618.5
1709000302: Marys River	67	93	26	1292.5	719.0	98.8	162.7	312.1
1709000303: Upper Calapooia River	55	91	36	1090.0	434.0	90.9	150.4	414.6
1709000304: Lower Calapooia River	29	80	51	264.8	66.2	18.0	27.8	152.8
1709000305: Luckiamute River	65	93	28	1551.3	769.9	139.2	232.0	410.2
1709000306: Muddy Creek-Willamette River	32	84	52	1397.9	312.5	85.6	172.8	827.0
1709000401: Horse Creek	78	87	9	18.8	13.2	1.9	2.6	1.2
1709000402: Headwaters McKenzie River	77	90	13	266.2	187.1	24.1	31.6	23.4
1709000403: South Fork McKenzie River	85	95	10	354.2	285.9	24.0	32.1	12.3
1709000404: Blue River	84	97	13	388.8	286.9	33.7	47.0	21.2
1709000405: Quartz Creek-McKenzie River	66	83	17	109.9	69.9	12.2	15.4	12.5
1709000406: Mohawk River	69	95	26	665.3	370.5	50.6	76.8	167.5
1709000407: McKenzie River	62	84	22	733.2	425.1	63.6	98.5	145.9

Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
1709000503: Upper North Santiam River	78	98	20	179.1	111.2	16.4	28.1	23.4
1709000504: Middle North Santiam River	74	96	22	662.3	414.5	56.3	69.1	122.4
1709000505: Little North Santiam River	78	95	17	942.2	648.4	82.7	113.2	97.8
1709000506: Lower North Santiam River	35	91	56	608.0	135.5	34.2	66.0	372.3
1709000601: Headwaters Middle Santiam River	73	95	22	29.9	18.5	2.2	4.5	4.6
1709000602: South Santiam River	86	97	11	403.3	317.7	24.1	31.6	29.9
1709000603: Quartzville Creek-Green Peter Lake	80	97	17	753.7	516.9	63.5	85.0	88.3
1709000604: South Santiam River-Foster Reservoir	68	94	26	195.9	108.1	18.8	29.0	40.0
1709000605: Wiley Creek	62	96	34	141.1	60.0	12.0	24.4	44.7
1709000606: Crabtree Creek	58	93	35	1068.7	472.0	77.8	139.4	379.5
1709000607: Thomas Creek	67	93	26	1025.9	571.3	78.0	117.7	259.0
1709000608: Hamilton Creek-South Santiam River	51	92	41	989.1	329.8	82.1	146.6	430.6

Table 6: Shade results stratified by HUC12 subwatershed in the Southern Willamette Subbasins study area.

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900010103: Pioneer Gulch-Middle Fork Willamette River	84	97	13	9.8	7.5	1.1	0.8	0.5
170900010104: Swift Creek	79	97	18	4.3	2.8	0.2	0.8	0.4
170900010105: Staley Creek	81	97	16	43.0	26.8	5.8	7.7	2.6
170900010106: Echo Creek-Middle Fork Willamette River	73	96	23	93.9	52.8	11.6	16.6	12.9
170900010202: Lower Hills Creek	77	97	20	23.8	15.0	1.1	3.7	4.1
170900010303: Lower Salt Creek	80	90	10	34.6	26.3	2.9	4.2	1.2
170900010403: Lower Salmon Creek	65	90	25	31.2	17.5	1.5	5.3	6.9
170900010501: Coal Creek	85	98	13	21.8	16.0	1.7	3.4	0.7
170900010502: Buck Creek-Middle Fork Willamette River	76	90	14	116.1	80.4	12.2	14.9	8.5
170900010503: Packard Creek-Middle Fork Willamette River	86	98	12	57.5	44.2	3.3	8.0	2.0
170900010504: Larison Creek-Middle Fork Willamette River	82	97	15	24.4	17.1	2.8	2.3	2.2
170900010505: Gray Creek-Middle Fork Willamette River	73	86	13	55.8	40.9	3.0	6.5	5.5
170900010608: Dartmouth Creek-North Fork Middle Fork Willamette River	74	90	16	74.1	48.8	6.9	10.5	8.0

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900010701: Deception Creek-Middle Fork Willamette River	84	93	9	116.0	94.4	5.1	12.5	4.1
170900010702: Lost Creek	80	97	17	393.9	283.8	18.2	31.8	60.1
170900010703: Dexter Reservoir-Middle Fork Willamette River	86	97	11	353.8	285.1	18.9	20.2	29.6
170900010802: Lower Little Fall Creek	55	93	38	13.6	3.2	2.1	3.4	4.9
170900010904: Andy Creek-Fall Creek	75	94	19	26.5	16.2	2.8	2.6	4.9
170900010905: Winberry Creek	76	97	21	80.7	50.6	5.5	9.2	15.4
170900010906: Fall Creek Lake-Fall Creek	57	94	37	105.1	40.7	9.1	18.9	36.4
170900011001: Hills Creek	61	91	30	7.2	3.5	0.5	1.0	2.2
170900011002: Rattlesnake Creek-Middle Fork Willamette River	50	92	42	69.3	23.3	4.2	10.6	31.1
170900011003: Mill Race-Middle Fork Willamette River	47	90	43	74.2	24.2	6.1	11.5	32.4
170900020101: Upper Mosby Creek	88	98	10	250.5	210.3	14.3	13.9	12.0
170900020102: Middle Mosby Creek	78	97	19	123.1	87.5	5.2	7.8	22.7
170900020103: Lower Mosby Creek	74	96	22	161.6	102.8	11.9	17.0	30.0
170900020201: Layng Creek	68	96	28	59.3	34.9	3.2	6.9	14.3
170900020202: Brice Creek	64	98	34	39.6	19.0	2.2	4.9	13.5
170900020203: Sharps Creek	87	98	11	269.8	218.3	14.6	20.9	15.9

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900020204: King Creek-Row River	73	95	22	190.7	121.5	9.5	19.7	40.1
170900020205: Dorena Lake-Row River	71	97	26	313.9	188.6	20.7	33.9	70.8
170900020301: Upper Big River	90	98	8	172.9	149.5	9.5	8.2	5.7
170900020302: Lower Big River	77	97	20	154.4	102.1	8.7	15.1	28.5
170900020303: Combs Creek-Coast Fork Willamette River	77	93	16	113.9	78.4	10.2	11.0	14.4
170900020304: Cottage Grove Reservoir-Coast Fork Willamette River	81	97	16	118.0	87.4	7.9	7.3	15.3
170900020305: Martin Creek-Coast Fork Willamette River	65	95	30	99.4	51.1	6.7	12.6	29.0
170900020306: Silk Creek-Coast Fork Willamette River	64	96	32	112.5	53.8	10.0	15.4	33.2
170900020401: Hill Creek-Coast Fork Willamette River	61	94	33	133.4	60.3	12.7	17.7	42.7
170900020402: Upper Camas Swale Creek	63	93	30	112.6	52.6	12.0	18.1	29.8
170900020403: Lower Camas Swale Creek	41	90	49	58.3	13.2	3.8	10.3	31.0
170900020404: Bear Creek-Coast Fork Willamette River	60	92	32	153.6	68.6	12.8	24.5	47.8
170900020405: Papenfus Creek-Coast Fork Willamette River	49	91	42	53.1	15.7	4.0	8.8	24.6
170900030101: Upper Coyote Creek	65	96	31	210.9	100.4	18.4	30.3	61.8

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900030102: Spencer Creek	58	94	36	112.1	43.1	11.2	22.2	35.6
170900030103: Lower Coyote Creek	53	92	39	252.6	96.4	20.9	38.3	96.9
170900030104: Headwaters Long Tom River	73	96	23	191.9	114.2	14.2	25.5	38.0
170900030105: Elk Creek	80	97	17	140.6	96.7	10.5	12.6	20.9
170900030106: Amazon Diversion Canal-Amazon Creek	38	86	48	63.1	13.1	3.9	11.3	34.9
170900030107: Fern Ridge Lake-Long Tom River	70	92	22	244.8	138.5	22.8	36.4	47.2
170900030108: Amazon Creek	10	86	76	98.7	4.9	1.0	5.1	87.8
170900030109: Bear Creek-Long Tom River	46	87	41	236.0	82.2	15.1	31.5	107.1
170900030110: Ferguson Creek-Long Tom River	52	90	38	205.7	78.2	12.7	26.4	88.4
170900030201: Headwaters Marys River	70	95	25	119.0	65.3	12.0	16.5	25.3
170900030202: Tumtum River	78	96	18	146.5	97.9	11.0	19.3	18.2
170900030203: Upper Marys River	62	88	26	74.3	37.6	6.0	13.6	17.1
170900030204: Greasy Creek	87	97	10	179.9	145.7	10.2	11.0	13.0
170900030205: Middle Marys River	63	87	24	80.7	42.6	8.9	13.5	15.7
170900030206: Upper Muddy Creek	60	94	34	118.9	51.7	8.8	16.9	41.6
170900030207: Oliver Creek	71	96	25	164.5	93.1	13.1	20.3	38.0

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900030208: Middle Muddy Creek	48	81	33	101.8	43.7	7.8	17.5	32.8
170900030209: Beaver Creek	63	95	32	157.9	79.0	9.5	17.5	51.9
170900030210: Lower Muddy Creek	43	87	44	72.1	24.4	5.5	9.6	32.7
170900030211: Lower Marys River	51	81	30	76.9	37.9	6.1	7.2	25.8
170900030301: Hands Creek-Calapooia River	77	98	21	156.3	93.5	17.3	23.5	22.0
170900030302: Bigs Creek-Calapooia River	78	98	20	79.8	47.9	9.7	13.8	8.5
170900030303: Pugh Creek-Calapooia River	74	97	23	100.5	60.0	7.1	12.6	20.8
170900030304: Brush Creek-Calapooia River	59	94	35	233.0	90.0	21.2	39.3	82.6
170900030305: Sodom Ditch-Calapooia River	43	81	38	96.3	30.6	11.8	17.1	36.9
170900030306: Butte Creek	31	90	59	130.4	24.3	6.4	14.6	85.1
170900030307: Courtney Creek-Calapooia River	45	87	42	236.6	75.9	15.5	25.9	119.2
170900030308: Shedd Slough-Calapooia River	22	81	59	57.1	11.8	2.0	3.7	39.6
170900030401: Upper Oak Creek	32	89	57	91.2	17.1	6.0	10.7	57.5
170900030402: Lower Oak Creek	29	81	52	65.7	17.0	3.5	5.4	39.7
170900030403: Calapooia River	28	73	45	107.9	32.1	8.5	11.7	55.7
170900030501: Headwaters Luckiamute River	78	97	19	149.3	96.8	11.4	17.6	23.5

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900030502: Vincent Creek-Luckiamute River	78	95	17	190.9	124.4	15.5	26.3	24.7
170900030503: Maxfield Creek-Luckiamute River	68	93	25	123.4	60.6	13.9	23.2	25.7
170900030504: Pedee Creek-Luckiamute River	75	97	22	204.7	130.5	12.9	24.7	36.5
170900030505: Jont Creek-Luckiamute River	47	85	38	109.6	40.8	9.4	20.1	39.4
170900030506: Upper Little Luckiamute River	69	96	27	133.5	73.9	14.2	17.3	28.0
170900030507: Middle Little Luckiamute River	63	96	33	245.3	101.9	24.7	45.2	73.5
170900030508: Lower Little Luckiamute River	41	86	45	94.7	24.7	9.9	13.9	46.2
170900030509: Upper Soap Creek	71	92	21	84.4	47.7	9.0	13.5	14.2
170900030510: Berry Creek	37	90	53	63.5	18.0	2.2	6.1	37.2
170900030511: Lower Soap Creek	45	84	39	41.8	13.6	4.1	8.4	15.7
170900030512: Nisley Reservoir-Luckiamute River	34	75	41	110.3	37.0	12.0	15.7	45.6
170900030601: Sring Creek-Willamette River	34	85	51	91.9	15.8	4.9	19.4	51.8
170900030602: Curtis Slough-Willamette River	27	81	54	58.9	9.9	6.4	7.9	34.7
170900030603: Flat Creek	18	84	66	152.1	18.1	3.7	12.2	118.2
170900030604: Lake Creek-Willamette River	14	80	66	121.0	11.5	5.4	13.1	91.0
170900030605: Booneville Channel-Willamette River	17	81	64	49.8	6.8	2.1	6.3	34.6

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900030606: Dry Muddy Creek-Muddy Creek	48	91	43	218.7	68.0	21.0	29.8	99.9
170900030607: Little Muddy Creek	38	89	51	239.3	61.8	11.6	28.5	137.5
170900030608: Fischor Island-Muddy Creek	29	65	36	121.0	46.2	9.3	10.7	54.9
170900030609: Fraizer Creek-Willamette River	44	88	44	119.9	36.0	9.9	18.4	55.6
170900030610: Truax Creek-Willamette River	26	85	59	162.6	26.7	7.3	17.0	111.6
170900030611: McCarthy Slough-Willamette River	29	84	55	62.7	11.8	4.0	9.6	37.3
170900040105: Lower Horse Creek	78	87	9	18.8	13.2	1.9	2.6	1.2
170900040201: Parks Creek-Lost Lake	74	97	23	1.9	1.1	0.0	0.6	0.2
170900040202: Hackleman Creek-McKenzie River	58	79	21	26.3	13.6	4.2	3.5	5.0
170900040203: Smith River	84	97	13	48.1	36.1	3.4	3.3	5.2
170900040204: Kink Creek-McKenzie River	75	91	16	41.5	27.4	3.6	5.7	4.8
170900040205: Deer Creek	79	93	14	12.3	8.7	1.1	1.5	0.9
170900040206: Boulder Creek-McKenzie River	80	90	10	65.9	49.3	4.4	9.3	2.9
170900040208: Lost Creek	80	92	12	6.7	4.4	1.0	0.8	0.4
170900040209: Florence Creek-McKenzie River	75	88	13	63.6	46.4	6.3	6.8	4.1
170900040301: Elk Creek-South Fork McKenzie River	86	98	12	29.0	23.3	0.6	3.1	2.0

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900040302: Roaring River-South Fork McKenzie River	87	98	11	34.0	27.9	1.3	3.4	1.5
170900040303: Augusta Creek-South Fork McKenzie River	84	95	11	75.1	58.1	6.2	8.3	2.5
170900040304: Rebel Creek-South Fork McKenzie River	84	92	8	82.3	64.7	7.6	7.9	2.2
170900040305: French Pete Creek	91	98	7	11.5	10.1	1.0	0.1	0.3
170900040306: East Fork South Fork McKenzie River	95	98	3	7.9	7.6	0.0	0.0	0.3
170900040307: Cougar Reservoir-South Fork McKenzie River	90	96	6	85.2	74.8	5.3	3.8	1.2
170900040308: Cougar Creek-South Fork McKenzie River	73	88	15	29.1	19.4	1.9	5.5	2.3
170900040401: Lookout Creek	88	96	8	113.5	93.6	7.5	8.0	4.4
170900040402: Upper Blue River	83	97	14	267.9	187.6	25.7	37.8	16.7
170900040403: Lower Blue River	83	92	9	7.3	5.7	0.4	1.2	0.0
170900040501: Quartz Creek	66	98	32	6.9	3.1	0.4	0.9	2.5
170900040502: Elk Creek-McKenzie River	66	82	16	103.0	66.7	11.7	14.5	10.0
170900040601: Headwaters Mohawk River	72	97	25	73.6	41.2	6.7	10.4	15.3
170900040602: Shotcash Creek-Mohawk River	80	97	17	165.5	120.1	9.8	8.5	27.1
170900040603: Mill Creek	68	96	28	38.5	16.0	6.0	7.6	8.9

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900040604: Parsons Creek-Mohawk River	67	96	29	149.8	75.0	10.4	19.0	45.4
170900040605: McGowan Creek-Mohawk River	61	92	31	237.9	118.1	17.7	31.3	70.8
170900040701: Gate Creek	77	97	20	24.0	14.0	2.5	4.0	3.5
170900040702: Deer Creek-McKenzie River	76	88	12	151.9	112.9	12.9	14.3	11.7
170900040703: Leaburg Canal-McKenzie River	63	86	23	99.7	58.1	6.3	14.8	20.5
170900040704: Holden Creek-McKenzie River	62	81	19	74.4	47.6	5.5	7.3	14.0
170900040705: Camp Creek	63	95	32	120.1	52.5	13.9	18.3	35.2
170900040706: Waltherville Canal-McKenzie River	51	76	25	263.1	139.9	22.4	39.9	60.9
170900050303: French Creek-Detroit Reservoir	85	97	12	10.6	8.8	0.2	0.3	1.4
170900050304: Kinney Creek-Detroit Reservoir	78	98	20	168.5	102.5	16.2	27.8	22.0
170900050401: Sevenmile Creek-North Santiam River	76	96	20	141.7	95.3	12.9	16.0	17.5
170900050402: Rock Creek	84	98	14	174.1	129.3	12.5	17.5	14.7
170900050403: Mad Creek-North Santiam River	73	96	23	162.7	100.8	13.2	16.2	32.5
170900050404: Walker Creek-North Santiam River	62	94	32	183.8	89.1	17.7	19.3	57.7
170900050501: Opal Creek	83	98	15	146.1	103.9	15.1	19.2	8.0
170900050502: Headwaters Little North Santiam River	83	96	13	169.8	120.5	22.1	21.3	5.9
170900050503: Upper Little North Santiam River	79	95	16	254.4	179.9	19.2	34.7	20.6

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900050504: Middle Little North Santiam River	73	94	21	227.6	149.2	16.5	25.1	36.8
170900050505: Lower Little North Santiam River	70	90	20	144.3	94.9	9.9	12.9	26.6
170900050601: Stout Creek-North Santiam River	56	94	38	192.6	82.3	12.1	23.9	74.3
170900050602: Bear Branch-North Santiam River	30	95	65	114.8	16.7	7.3	12.8	78.0
170900050603: Marion Creek-North Santiam River	20	88	68	137.2	12.4	6.6	11.5	106.7
170900050604: Morgan Creek-North Santiam River	25	86	61	163.5	24.1	8.2	17.8	113.3
170900060104: Bear Creek-Middle Santiam River	73	95	22	29.9	18.5	2.2	4.5	4.6
170900060201: Sevenmile Creek-South Santiam River	83	97	14	20.9	15.9	1.7	1.2	2.1
170900060202: Sheep Creek-South Santiam River	82	97	15	99.4	72.4	7.1	8.3	11.5
170900060203: Soda Fork	91	98	7	12.3	10.4	1.2	0.6	0.2
170900060204: Upper Canyon Creek	65	98	33	0.4	0.0	0.1	0.0	0.3
170900060205: Owl Creek	95	99	4	0.3	0.3	0.0	0.0	0.0
170900060206: Moose Creek	84	98	14	5.8	3.6	0.5	1.0	0.6
170900060207: Lower Canyon Creek	82	97	15	12.1	8.3	1.0	2.2	0.7
170900060208: Trout Creek-South Santiam River	88	97	9	252.1	206.8	12.5	18.3	14.5
170900060302: Upper Quartzville Creek	71	92	21	6.2	3.8	0.4	1.3	0.8
170900060303: Canal Creek	78	96	18	52.6	28.0	8.0	11.9	4.7

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900060304: Middle Quartzville Creek	80	96	16	231.9	159.9	21.9	31.5	18.7
170900060305: Lower Quartzville Creek	79	95	16	167.5	119.6	10.6	12.5	24.8
170900060306: Upper Green Peter Lake	78	98	20	142.8	93.6	11.3	14.8	23.1
170900060307: Lower Green Peter Lake	83	98	15	152.6	112.0	11.3	13.0	16.3
170900060401: Shot Pouch Creek-South Santiam River	68	93	25	137.0	76.4	12.1	20.4	28.1
170900060402: Middle Santiam River-Foster Reservoir	68	95	27	58.9	31.7	6.7	8.5	11.9
170900060501: Little Wiley Creek	65	96	31	25.6	12.3	1.7	4.8	6.8
170900060502: Jackson Creek-Wiley Creek	61	96	35	115.5	47.7	10.2	19.6	38.0
170900060601: Upper Crabtree Creek	73	97	24	328.7	196.1	27.4	42.4	62.8
170900060602: Middle Crabtree Creek	70	94	24	268.7	159.5	18.3	30.8	60.0
170900060603: Beaver Creek	44	94	50	234.6	61.6	15.4	34.1	123.4
170900060604: Lower Crabtree Creek	37	86	49	236.7	54.7	16.7	32.0	133.3
170900060701: Headwaters Thomas Creek	78	98	20	184.9	115.5	17.9	27.4	24.1
170900060702: Upper Thomas Creek	82	95	13	201.5	152.2	16.2	17.8	15.3
170900060703: Middle Thomas Creek	61	91	30	250.8	127.7	16.8	28.0	78.3
170900060704: Neal Creek	75	96	21	183.0	119.3	12.2	18.2	33.3
170900060705: Lower Thomas Creek	36	84	48	205.7	56.5	14.9	26.3	107.9

Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
170900060801: Ames Creek-South Santiam River	49	93	44	189.5	61.5	15.3	27.7	84.9
170900060802: McDowell Creek	64	96	32	136.2	60.3	12.1	20.8	42.9
170900060803: Vail Creek-South Santiam River	50	90	40	157.7	54.8	14.3	22.1	66.5
170900060804: Hamilton Creek	60	94	34	242.4	99.4	21.2	39.1	82.8
170900060805: One Horse Slough Creek-South Santiam River	43	91	48	134.0	34.0	10.9	21.3	67.9
170900060806: Mill Creek-South Santiam River	27	88	61	129.3	19.8	8.2	15.7	85.6

Table 7: Shade results for the Oregon Department of Agriculture at the HUC10 watershed level in the Southern Willamette Subbasins study area.

Designated Management Agency	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	1709000104: Salmon Creek	59	97	38	1.0	0.2	0.0	0.6	0.2
Oregon Department of Agriculture	1709000106: North Fork Middle Fork Willamette River	31	96	65	0.4	0.0	0.0	0.0	0.4
Oregon Department of Agriculture	1709000107: Lookout Point Reservoir-Middle Fork Willamette River	43	94	51	12.8	1.7	1.4	3.3	6.4
Oregon Department of Agriculture	1709000108: Little Fall Creek	27	91	64	1.4	0.0	0.0	0.5	1.0

Designated Management Agency	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	1709000109: Fall Creek	38	87	49	7.1	1.6	0.5	1.2	3.7
Oregon Department of Agriculture	1709000110: Pudding Creek-Middle Fork Willamette River	35	88	53	46.6	9.2	3.5	6.2	27.8
Oregon Department of Agriculture	1709000201: Mosby Creek	51	94	43	8.7	3.0	1.3	0.6	3.9
Oregon Department of Agriculture	1709000202: Row River	44	93	49	13.9	3.0	0.9	2.9	7.1
Oregon Department of Agriculture	1709000203: Upper Coast Fork Willamette River	41	92	51	39.1	9.4	4.5	5.6	19.6
Oregon Department of Agriculture	1709000204: Lower Coast Fork Willamette River	36	86	50	140.6	29.9	10.2	22.6	77.9
Oregon Department of Agriculture	1709000301: Long Tom River	35	88	53	517.7	110.9	36.1	76.7	294.0
Oregon Department of Agriculture	1709000302: Marys River	42	86	44	325.9	96.4	30.3	53.8	145.5
Oregon Department of Agriculture	1709000303: Upper Calapooia River	29	83	54	450.0	83.7	30.0	57.3	279.0
Oregon Department of Agriculture	1709000304: Lower Calapooia River	23	79	56	191.5	38.0	10.0	18.3	125.2
Oregon Department of Agriculture	1709000305: Luckiamute River	38	83	45	397.7	112.2	35.5	65.1	185.0

Designated Management Agency	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	1709000306: Muddy Creek-Willamette River	25	82	57	985.4	182.2	53.0	108.5	641.7
Oregon Department of Agriculture	1709000406: Mohawk River	34	83	49	53.7	12.3	3.3	10.6	27.5
Oregon Department of Agriculture	1709000407: McKenzie River	44	75	31	112.8	47.5	9.0	20.7	35.6
Oregon Department of Agriculture	1709000504: Middle North Santiam River	44	95	51	34.8	9.2	3.2	4.6	17.8
Oregon Department of Agriculture	1709000505: Little North Santiam River	50	71	21	1.8	1.0	0.0	0.2	0.5
Oregon Department of Agriculture	1709000506: Lower North Santiam River	27	90	63	470.6	69.7	24.3	46.9	329.7
Oregon Department of Agriculture	1709000604: South Santiam River-Foster Reservoir	51	92	41	3.8	1.1	0.5	0.6	1.6
Oregon Department of Agriculture	1709000605: Wiley Creek	18	94	76	2.2	0.1	0.0	0.1	1.9
Oregon Department of Agriculture	1709000606: Crabtree Creek	31	88	57	355.8	56.9	24.2	51.7	223.0
Oregon Department of Agriculture	1709000607: Thomas Creek	34	84	50	248.4	64.3	19.6	31.4	133.1
Oregon Department of Agriculture	1709000608: Hamilton Creek-South Santiam River	33	88	55	399.2	72.8	26.8	59.2	240.3

Table 8: Shade results for the Oregon Department of Agriculture at the HUC12 watershed level in the Southern Willamette Subbasins study area.

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900010403: Lower Salmon Creek	59	97	38	1.0	0.2	0.0	0.6	0.2
Oregon Department of Agriculture	170900010608: Dartmouth Creek-North Fork Middle Fork Willamette River	31	96	65	0.4	0.0	0.0	0.0	0.4
Oregon Department of Agriculture	170900010702: Lost Creek	41	93	52	9.2	1.1	1.0	2.6	4.6
Oregon Department of Agriculture	170900010703: Dexter Reservoir-Middle Fork Willamette River	49	96	47	3.6	0.6	0.5	0.7	1.8
Oregon Department of Agriculture	170900010802: Lower Little Fall Creek	27	91	64	1.4	0.0	0.0	0.5	1.0
Oregon Department of Agriculture	170900010906: Fall Creek Lake-Fall Creek	38	87	49	7.1	1.6	0.5	1.2	3.7
Oregon Department of Agriculture	170900011001: Hills Creek	55	92	37	2.4	1.2	0.0	0.2	1.0
Oregon Department of Agriculture	170900011002: Rattlesnake Creek-Middle Fork Willamette River	29	88	59	21.1	2.8	1.2	2.9	14.2
Oregon Department of Agriculture	170900011003: Mill Race-Middle Fork Willamette River	38	88	50	23.1	5.1	2.3	3.1	12.6
Oregon Department of Agriculture	170900020103: Lower Mosby Creek	51	94	43	8.7	3.0	1.3	0.6	3.9

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900020204: King Creek-Row River	49	91	42	4.7	1.3	0.3	1.0	2.1
Oregon Department of Agriculture	170900020205: Dorena Lake-Row River	41	94	53	9.2	1.7	0.6	2.0	4.9
Oregon Department of Agriculture	170900020302: Lower Big River	91	97	6	0.3	0.3	0.0	0.0	0.0
Oregon Department of Agriculture	170900020303: Combs Creek-Coast Fork Willamette River	45	85	40	9.8	3.1	1.2	2.1	3.3
Oregon Department of Agriculture	170900020304: Cottage Grove Reservoir-Coast Fork Willamette River	76	96	20	0.1	0.0	0.0	0.0	0.0
Oregon Department of Agriculture	170900020305: Martin Creek-Coast Fork Willamette River	37	93	56	18.0	3.5	2.6	1.4	10.5
Oregon Department of Agriculture	170900020306: Silk Creek-Coast Fork Willamette River	41	95	54	11.0	2.5	0.7	2.0	5.8
Oregon Department of Agriculture	170900020401: Hill Creek-Coast Fork Willamette River	39	91	52	26.5	4.8	2.1	4.6	15.1
Oregon Department of Agriculture	170900020402: Upper Camas Swale Creek	39	80	41	24.6	7.0	2.3	5.0	10.2
Oregon Department of Agriculture	170900020403: Lower Camas Swale Creek	29	88	59	32.3	5.6	1.1	4.0	21.5
Oregon Department of Agriculture	170900020404: Bear Creek-Coast Fork Willamette River	39	84	45	39.8	10.7	3.8	5.6	19.8

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900020405: Papenfus Creek-Coast Fork Willamette River	34	91	57	17.4	1.9	0.9	3.3	11.2
Oregon Department of Agriculture	170900030101: Upper Coyote Creek	46	93	47	60.9	16.3	5.9	10.9	27.8
Oregon Department of Agriculture	170900030102: Spencer Creek	44	91	47	24.6	6.2	2.5	4.7	11.2
Oregon Department of Agriculture	170900030103: Lower Coyote Creek	39	90	51	82.7	17.3	6.6	14.7	44.2
Oregon Department of Agriculture	170900030104: Headwaters Long Tom River	44	94	50	8.5	2.3	0.8	1.0	4.4
Oregon Department of Agriculture	170900030105: Elk Creek	60	96	36	33.8	13.4	3.5	5.5	11.5
Oregon Department of Agriculture	170900030106: Amazon Diversion Canal-Amazon Creek	40	90	50	1.6	0.2	0.2	0.4	0.8
Oregon Department of Agriculture	170900030107: Fern Ridge Lake-Long Tom River	43	88	45	31.6	9.3	2.9	5.2	14.1
Oregon Department of Agriculture	170900030108: Amazon Creek	10	89	79	42.0	2.4	0.4	1.2	38.1
Oregon Department of Agriculture	170900030109: Bear Creek-Long Tom River	30	84	54	131.2	27.0	8.8	18.4	77.0
Oregon Department of Agriculture	170900030110: Ferguson Creek-Long Tom River	27	83	56	100.8	16.5	4.6	14.9	64.8

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900030201: Headwaters Marys River	46	92	46	34.3	6.8	4.6	7.6	15.3
Oregon Department of Agriculture	170900030202: Tumtum River	56	93	37	25.2	8.2	2.6	5.8	8.6
Oregon Department of Agriculture	170900030203: Upper Marys River	53	83	30	30.0	12.4	2.5	6.0	9.1
Oregon Department of Agriculture	170900030204: Greasy Creek	61	95	34	12.2	4.0	1.8	3.0	3.4
Oregon Department of Agriculture	170900030205: Middle Marys River	48	59	11	10.6	6.6	1.8	1.4	0.8
Oregon Department of Agriculture	170900030206: Upper Muddy Creek	34	86	52	29.3	6.2	1.9	4.8	16.5
Oregon Department of Agriculture	170900030207: Oliver Creek	37	88	51	19.8	3.3	2.3	3.6	10.5
Oregon Department of Agriculture	170900030208: Middle Muddy Creek	38	79	41	46.6	16.3	3.3	7.6	19.5
Oregon Department of Agriculture	170900030209: Beaver Creek	34	92	58	40.2	7.6	3.3	4.8	24.6
Oregon Department of Agriculture	170900030210: Lower Muddy Creek	41	86	45	62.1	20.6	4.7	8.2	28.6
Oregon Department of Agriculture	170900030211: Lower Marys River	29	74	45	15.5	4.4	1.4	1.0	8.7

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900030303: Pugh Creek-Calapooia River	52	96	44	2.3	0.3	0.2	0.6	1.2
Oregon Department of Agriculture	170900030304: Brush Creek-Calapooia River	38	88	50	75.1	14.3	6.5	17.6	36.7
Oregon Department of Agriculture	170900030305: Sodom Ditch-Calapooia River	38	77	39	60.2	18.2	7.9	10.0	24.2
Oregon Department of Agriculture	170900030306: Butte Creek	18	88	70	90.1	8.2	2.8	6.1	73.0
Oregon Department of Agriculture	170900030307: Courtney Creek-Calapooia River	28	82	54	165.8	30.8	10.7	19.2	105.0
Oregon Department of Agriculture	170900030308: Shedd Slough-Calapooia River	23	81	58	56.5	11.8	2.0	3.7	39.0
Oregon Department of Agriculture	170900030401: Upper Oak Creek	20	87	67	59.3	5.3	2.2	6.1	45.8
Oregon Department of Agriculture	170900030402: Lower Oak Creek	21	82	61	39.8	7.7	1.1	2.8	28.1
Oregon Department of Agriculture	170900030403: Calapooia River	25	73	48	92.4	25.0	6.6	9.4	51.3
Oregon Department of Agriculture	170900030502: Vincent Creek-Luckiamute River	61	91	30	28.0	11.6	3.6	5.3	7.5
Oregon Department of Agriculture	170900030503: Maxfield Creek-Luckiamute River	56	90	34	39.8	14.0	5.6	9.1	11.1

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900030504: Pedee Creek-Luckiamute River	47	96	49	8.5	2.0	0.5	2.1	3.9
Oregon Department of Agriculture	170900030505: Jont Creek-Luckiamute River	32	79	47	58.3	15.1	3.7	10.0	29.4
Oregon Department of Agriculture	170900030507: Middle Little Luckiamute River	37	96	59	23.0	2.7	0.7	4.8	14.7
Oregon Department of Agriculture	170900030508: Lower Little Luckiamute River	37	83	46	63.8	17.2	6.4	9.2	31.1
Oregon Department of Agriculture	170900030509: Upper Soap Creek	53	85	32	13.0	4.8	2.1	1.8	4.3
Oregon Department of Agriculture	170900030510: Berry Creek	16	88	72	37.0	3.9	0.2	2.7	30.2
Oregon Department of Agriculture	170900030511: Lower Soap Creek	48	84	36	32.7	11.6	3.2	6.8	11.1
Oregon Department of Agriculture	170900030512: Nisley Reservoir-Luckiamute River	31	74	43	93.6	29.4	9.4	13.2	41.6
Oregon Department of Agriculture	170900030601: Sring Creek-Willamette River	40	86	46	24.4	6.1	1.5	6.2	10.6
Oregon Department of Agriculture	170900030602: Curtis Slough-Willamette River	27	82	55	56.5	9.4	5.8	7.1	34.3
Oregon Department of Agriculture	170900030603: Flat Creek	18	83	65	115.6	14.3	3.1	9.1	89.2

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900030604: Lake Creek-Willamette River	14	80	66	118.2	10.7	5.1	12.5	90.0
Oregon Department of Agriculture	170900030605: Booneville Channel-Willamette River	17	81	64	44.4	5.6	1.7	6.0	31.2
Oregon Department of Agriculture	170900030606: Dry Muddy Creek-Muddy Creek	34	87	53	128.6	26.5	9.5	16.6	75.9
Oregon Department of Agriculture	170900030607: Little Muddy Creek	27	86	59	161.1	28.1	6.3	17.1	109.7
Oregon Department of Agriculture	170900030608: Fischor Island-Muddy Creek	28	65	37	114.1	43.5	8.9	9.7	52.0
Oregon Department of Agriculture	170900030609: Fraizer Creek-Willamette River	31	87	56	59.3	12.7	3.0	6.8	36.8
Oregon Department of Agriculture	170900030610: Truax Creek-Willamette River	23	86	63	111.5	16.1	4.7	10.0	80.6
Oregon Department of Agriculture	170900030611: McCarthy Slough-Willamette River	30	85	55	51.6	9.3	3.4	7.4	31.5
Oregon Department of Agriculture	170900040601: Headwaters Mohawk River	55	96	41	5.7	2.1	0.4	0.9	2.4
Oregon Department of Agriculture	170900040602: Shotcash Creek-Mohawk River	27	88	61	4.0	0.6	0.2	0.4	2.7
Oregon Department of Agriculture	170900040603: Mill Creek	50	96	46	4.8	1.3	0.1	0.9	2.5

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900040604: Parsons Creek-Mohawk River	55	96	41	3.8	1.1	0.5	0.5	1.7
Oregon Department of Agriculture	170900040605: McGowan Creek-Mohawk River	28	78	50	35.4	7.2	2.0	7.9	18.2
Oregon Department of Agriculture	170900040701: Gate Creek	53	97	44	0.9	0.2	0.0	0.2	0.5
Oregon Department of Agriculture	170900040702: Deer Creek-McKenzie River	28	58	30	3.6	0.6	0.3	2.1	0.5
Oregon Department of Agriculture	170900040703: Leaburg Canal-McKenzie River	26	68	42	4.0	1.6	0.4	0.2	1.8
Oregon Department of Agriculture	170900040704: Holden Creek-McKenzie River	31	66	35	6.4	2.8	0.2	0.6	2.7
Oregon Department of Agriculture	170900040705: Camp Creek	48	91	43	21.9	5.8	2.6	3.9	9.6
Oregon Department of Agriculture	170900040706: Walterville Canal-McKenzie River	45	73	28	76.0	36.4	5.5	13.6	20.5
Oregon Department of Agriculture	170900050401: Sevenmile Creek-North Santiam River	56	93	37	4.6	2.1	0.4	0.7	1.4
Oregon Department of Agriculture	170900050403: Mad Creek-North Santiam River	42	95	53	13.7	3.2	1.3	1.5	7.7
Oregon Department of Agriculture	170900050404: Walker Creek-North Santiam River	42	94	52	16.5	3.8	1.5	2.4	8.8

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900050505: Lower Little North Santiam River	50	71	21	1.8	1.0	0.0	0.2	0.5
Oregon Department of Agriculture	170900050601: Stout Creek-North Santiam River	40	93	53	97.0	25.6	4.3	11.2	55.9
Oregon Department of Agriculture	170900050602: Bear Branch-North Santiam River	29	95	66	99.6	12.2	6.8	10.8	69.8
Oregon Department of Agriculture	170900050603: Marion Creek-North Santiam River	19	88	69	130.3	11.3	6.3	10.2	102.5
Oregon Department of Agriculture	170900050604: Morgan Creek-North Santiam River	23	86	63	143.7	20.6	6.8	14.8	101.5
Oregon Department of Agriculture	170900060401: Shot Pouch Creek-South Santiam River	43	89	46	3.1	0.8	0.2	0.6	1.5
Oregon Department of Agriculture	170900060402: Middle Santiam River-Foster Reservoir	69	97	28	0.7	0.3	0.3	0.0	0.1
Oregon Department of Agriculture	170900060501: Little Wiley Creek	1	97	96	0.2	0.0	0.0	0.0	0.2
Oregon Department of Agriculture	170900060502: Jackson Creek-Wiley Creek	20	93	73	2.0	0.1	0.0	0.1	1.7
Oregon Department of Agriculture	170900060602: Middle Crabtree Creek	48	79	31	8.2	3.0	0.5	2.5	2.2
Oregon Department of Agriculture	170900060603: Beaver Creek	29	92	63	153.1	18.8	9.7	22.8	101.8

Designated Management Agency	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	170900060604: Lower Crabtree Creek	31	84	53	194.5	35.0	14.0	26.5	119.0
Oregon Department of Agriculture	170900060703: Middle Thomas Creek	37	85	48	66.1	17.3	5.2	7.9	35.7
Oregon Department of Agriculture	170900060704: Neal Creek	54	93	39	25.3	8.6	3.2	4.7	8.9
Oregon Department of Agriculture	170900060705: Lower Thomas Creek	30	81	51	157.0	38.4	11.2	18.8	88.6
Oregon Department of Agriculture	170900060801: Ames Creek-South Santiam River	40	91	51	53.1	14.3	3.4	7.0	28.4
Oregon Department of Agriculture	170900060802: McDowell Creek	40	92	52	22.2	3.0	2.3	4.0	12.9
Oregon Department of Agriculture	170900060803: Vail Creek-South Santiam River	33	82	49	55.2	12.5	4.7	8.6	29.4
Oregon Department of Agriculture	170900060804: Hamilton Creek	36	89	53	73.9	12.1	4.9	13.5	43.3
Oregon Department of Agriculture	170900060805: One Horse Slough Creek-South Santiam River	32	90	58	68.2	11.3	3.8	11.2	41.9
Oregon Department of Agriculture	170900060806: Mill Creek-South Santiam River	27	88	61	126.7	19.6	7.7	14.9	84.4

Table 9: Shade results for the Oregon Department of Agriculture's water quality management areas at the HUC8 subbasin level in the Southern Willamette Subbasins study area.

Designated Management Agency	Agricultural Water Quality Management Area	HUC8	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	Middle Willamette	17090003	Upper Willamette	37	84	47	885.0	235.4	73.2	141.0	435.5
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	17090005	North Santiam	28	90	62	507.2	80.0	27.6	51.7	348.0
Oregon Department of Agriculture	South Santiam	17090003	Upper Willamette	27	82	55	1356.2	259.2	80.4	152.0	864.6
Oregon Department of Agriculture	South Santiam	17090006	South Santiam	33	87	54	1009.5	195.2	71.1	143.1	600.0
Oregon Department of Agriculture	Southern Willamette Valley	17090001	Middle Fork Willamette	37	89	52	69.3	12.7	5.4	11.8	39.5
Oregon Department of Agriculture	Southern Willamette Valley	17090002	Coast Fork Willamette	38	88	50	202.3	45.3	16.9	31.7	108.4
Oregon Department of Agriculture	Southern Willamette Valley	17090004	McKenzie	41	78	37	166.5	59.8	12.3	31.3	63.1
Oregon Department of Agriculture	Upper Willamette-Siuslaw	17090003	Upper Willamette	33	87	54	626.9	128.7	41.3	86.6	370.2

Table 10: Shade results for the Oregon Department of Agriculture's water quality management areas at the HUC10 watershed level in the Southern Willamette Subbasins study area.

Designated Management Agency	Agricultural Water Quality Management Area	HUC10	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	Middle Willamette	1709000301	Long Tom River	20	80	60	43.0	6.4	2.0	6.3	28.3
Oregon Department of Agriculture	Middle Willamette	1709000302	Marys River	42	86	44	325.9	96.4	30.3	53.8	145.5
Oregon Department of Agriculture	Middle Willamette	1709000305	Luckiamute River	38	83	45	397.7	112.2	35.5	65.1	185.0
Oregon Department of Agriculture	Middle Willamette	1709000306	Muddy Creek-Willamette River	22	82	60	118.3	20.4	5.4	15.8	76.7
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	1709000504	Middle North Santiam River	44	95	51	34.8	9.2	3.2	4.6	17.8
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	1709000505	Little North Santiam River	50	71	21	1.8	1.0	0.0	0.2	0.5
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	1709000506	Lower North Santiam River	27	90	63	470.6	69.7	24.3	46.9	329.7
Oregon Department of Agriculture	South Santiam	1709000303	Upper Calapooia River	29	83	54	450.0	83.7	30.0	57.3	279.0
Oregon Department of Agriculture	South Santiam	1709000304	Lower Calapooia River	23	79	56	191.5	38.0	10.0	18.3	125.2

Designated Management Agency	Agricultural Water Quality Management Area	HUC10	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	South Santiam	1709000306	Muddy Creek-Willamette River	26	83	57	714.8	137.5	40.4	76.5	460.4
Oregon Department of Agriculture	South Santiam	1709000604	South Santiam River-Foster Reservoir	51	92	41	3.8	1.1	0.5	0.6	1.6
Oregon Department of Agriculture	South Santiam	1709000605	Wiley Creek	18	94	76	2.2	0.1	0.0	0.1	1.9
Oregon Department of Agriculture	South Santiam	1709000606	Crabtree Creek	31	88	57	355.8	56.9	24.2	51.7	223.0
Oregon Department of Agriculture	South Santiam	1709000607	Thomas Creek	34	84	50	248.4	64.3	19.6	31.4	133.1
Oregon Department of Agriculture	South Santiam	1709000608	Hamilton Creek-South Santiam River	33	88	55	399.2	72.8	26.8	59.2	240.3
Oregon Department of Agriculture	Southern Willamette Valley	1709000104	Salmon Creek	59	97	38	1.0	0.2	0.0	0.6	0.2
Oregon Department of Agriculture	Southern Willamette Valley	1709000106	North Fork Middle Fork Willamette River	31	96	65	0.4	0.0	0.0	0.0	0.4
Oregon Department of Agriculture	Southern Willamette Valley	1709000107	Lookout Point Reservoir-Middle Fork Willamette River	43	94	51	12.8	1.7	1.4	3.3	6.4

Designated Management Agency	Agricultural Water Quality Management Area	HUC10	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	Southern Willamette Valley	1709000108	Little Fall Creek	27	91	64	1.4	0.0	0.0	0.5	1.0
Oregon Department of Agriculture	Southern Willamette Valley	1709000109	Fall Creek	38	87	49	7.1	1.6	0.5	1.2	3.7
Oregon Department of Agriculture	Southern Willamette Valley	1709000110	Pudding Creek-Middle Fork Willamette River	35	88	53	46.6	9.2	3.5	6.2	27.8
Oregon Department of Agriculture	Southern Willamette Valley	1709000201	Mosby Creek	51	94	43	8.7	3.0	1.3	0.6	3.9
Oregon Department of Agriculture	Southern Willamette Valley	1709000202	Row River	44	93	49	13.9	3.0	0.9	2.9	7.1
Oregon Department of Agriculture	Southern Willamette Valley	1709000203	Upper Coast Fork Willamette River	41	92	51	39.1	9.4	4.5	5.6	19.6
Oregon Department of Agriculture	Southern Willamette Valley	1709000204	Lower Coast Fork Willamette River	36	86	50	140.6	29.9	10.2	22.6	77.9
Oregon Department of Agriculture	Southern Willamette Valley	1709000406	Mohawk River	34	83	49	53.7	12.3	3.3	10.6	27.5
Oregon Department of Agriculture	Southern Willamette Valley	1709000407	McKenzie River	44	75	31	112.8	47.5	9.0	20.7	35.6
Oregon Department of Agriculture	Upper Willamette-Siuslaw	1709000301	Long Tom River	36	88	52	474.7	104.4	34.1	70.5	265.6

Designated Management Agency	Agricultural Water Quality Management Area	HUC10	Watershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	Upper Willamette-Siuslaw	1709000306	Muddy Creek-Willamette River	23	82	59	152.2	24.3	7.2	16.2	104.6

Table 11: Shade results for the Oregon Department of Agriculture’s water quality management areas at the HUC12 subwatershed level in the Southern Willamette Subbasins study area.

Designated Management Agency	Agricultural Water Quality Management Area	HUC12	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	Middle Willamette	170900030110	Ferguson Creek-Long Tom River	20	80	60	43.0	6.4	2.0	6.3	28.3
Oregon Department of Agriculture	Middle Willamette	170900030201	Headwaters Marys River	46	92	46	34.3	6.8	4.6	7.6	15.3
Oregon Department of Agriculture	Middle Willamette	170900030202	Tumtum River	56	93	37	25.2	8.2	2.6	5.8	8.6
Oregon Department of Agriculture	Middle Willamette	170900030203	Upper Marys River	53	83	30	30.0	12.4	2.5	6.0	9.1
Oregon Department of Agriculture	Middle Willamette	170900030204	Greasy Creek	61	95	34	12.2	4.0	1.8	3.0	3.4

Designated Management Agency	Agricultural Water Quality Management Area	HUC12	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	Middle Willamette	170900030205	Middle Marys River	48	59	11	10.6	6.6	1.8	1.4	0.8
Oregon Department of Agriculture	Middle Willamette	170900030206	Upper Muddy Creek	34	86	52	29.3	6.2	1.9	4.8	16.5
Oregon Department of Agriculture	Middle Willamette	170900030207	Oliver Creek	37	88	51	19.8	3.3	2.3	3.6	10.5
Oregon Department of Agriculture	Middle Willamette	170900030208	Middle Muddy Creek	38	79	41	46.6	16.3	3.3	7.6	19.5
Oregon Department of Agriculture	Middle Willamette	170900030209	Beaver Creek	34	92	58	40.2	7.6	3.3	4.8	24.6
Oregon Department of Agriculture	Middle Willamette	170900030210	Lower Muddy Creek	41	86	45	62.1	20.6	4.7	8.2	28.6
Oregon Department of Agriculture	Middle Willamette	170900030211	Lower Marys River	29	74	45	15.5	4.4	1.4	1.0	8.7
Oregon Department of Agriculture	Middle Willamette	170900030502	Vincent Creek-Luckiamute River	61	91	30	28.0	11.6	3.6	5.3	7.5
Oregon Department of Agriculture	Middle Willamette	170900030503	Maxfield Creek-Luckiamute River	56	90	34	39.8	14.0	5.6	9.1	11.1

Designated Management Agency	Agricultural Water Quality Management Area	HUC12	Subwatershed	Current Condition	Restored Vegetation	Shade Gap	Total Stream Kilometers Assessed	Stream Kilometers with 0%-15% Shade Gap	Stream Kilometers with 16%-25% Shade Gap	Stream Kilometers with 26%-50% Shade Gap	Stream Kilometers with 51%-100% Shade Gap
Oregon Department of Agriculture	Middle Willamette	170900030504	Pedee Creek-Luckiamute River	47	96	49	8.5	2.0	0.5	2.1	3.9
Oregon Department of Agriculture	Middle Willamette	170900030505	Jont Creek-Luckiamute River	32	79	47	58.3	15.1	3.7	10.0	29.4
Oregon Department of Agriculture	Middle Willamette	170900030507	Middle Little Luckiamute River	37	96	59	23.0	2.7	0.7	4.8	14.7
Oregon Department of Agriculture	Middle Willamette	170900030508	Lower Little Luckiamute River	37	83	46	63.8	17.2	6.4	9.2	31.1
Oregon Department of Agriculture	Middle Willamette	170900030509	Upper Soap Creek	53	85	32	13.0	4.8	2.1	1.8	4.3
Oregon Department of Agriculture	Middle Willamette	170900030510	Berry Creek	16	88	72	37.0	3.9	0.2	2.7	30.2
Oregon Department of Agriculture	Middle Willamette	170900030511	Lower Soap Creek	48	84	36	32.7	11.6	3.2	6.8	11.1
Oregon Department of Agriculture	Middle Willamette	170900030512	Nisley Reservoir-Luckiamute River	31	74	43	93.6	29.4	9.4	13.2	41.6
Oregon Department of Agriculture	Middle Willamette	170900030604	Lake Creek-Willamette River	20	77	57	30.7	4.9	2.5	5.3	18.0

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Oregon Department of Agriculture	Middle Willamette	170900030605	Booneville Channel-Willamette River	17	81	64	41.7	5.6	1.5	6.0	28.7
Oregon Department of Agriculture	Middle Willamette	170900030609	Fraizer Creek-Willamette River	29	89	60	41.1	8.0	1.4	4.1	27.7
Oregon Department of Agriculture	Middle Willamette	170900030610	Truax Creek-Willamette River	20	57	37	0.8	0.6	0.0	0.0	0.2
Oregon Department of Agriculture	Middle Willamette	170900030611	McCarthy Slough-Willamette River	18	65	47	3.9	1.3	0.0	0.4	2.1
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050401	Sevenmile Creek-North Santiam River	56	93	37	4.6	2.1	0.4	0.7	1.4
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050403	Mad Creek-North Santiam River	42	95	53	13.7	3.2	1.3	1.5	7.7
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050404	Walker Creek-North Santiam River	42	94	52	16.5	3.8	1.5	2.4	8.8
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050505	Lower Little North Santiam River	50	71	21	1.8	1.0	0.0	0.2	0.5

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Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050601	Stout Creek-North Santiam River	40	93	53	97.0	25.6	4.3	11.2	55.9
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050602	Bear Branch-North Santiam River	29	95	66	99.6	12.2	6.8	10.8	69.8
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050603	Marion Creek-North Santiam River	19	88	69	130.3	11.3	6.3	10.2	102.5
Oregon Department of Agriculture	Molalla-Pudding French Prairie North Santiam	170900050604	Morgan Creek-North Santiam River	23	86	63	143.7	20.6	6.8	14.8	101.5
Oregon Department of Agriculture	South Santiam	170900030303	Pugh Creek-Calapooia River	52	96	44	2.3	0.3	0.2	0.6	1.2
Oregon Department of Agriculture	South Santiam	170900030304	Brush Creek-Calapooia River	38	88	50	75.1	14.3	6.5	17.6	36.7
Oregon Department of Agriculture	South Santiam	170900030305	Sodom Ditch-Calapooia River	38	77	39	60.2	18.2	7.9	10.0	24.2
Oregon Department of Agriculture	South Santiam	170900030306	Butte Creek	18	88	70	90.1	8.2	2.8	6.1	73.0

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Oregon Department of Agriculture	South Santiam	170900030307	Courtney Creek-Calapooia River	28	82	54	165.8	30.8	10.7	19.2	105.0
Oregon Department of Agriculture	South Santiam	170900030308	Shedd Slough-Calapooia River	23	81	58	56.5	11.8	2.0	3.7	39.0
Oregon Department of Agriculture	South Santiam	170900030401	Upper Oak Creek	20	87	67	59.3	5.3	2.2	6.1	45.8
Oregon Department of Agriculture	South Santiam	170900030402	Lower Oak Creek	21	82	61	39.8	7.7	1.1	2.8	28.1
Oregon Department of Agriculture	South Santiam	170900030403	Calapooia River	25	73	48	92.4	25.0	6.6	9.4	51.3
Oregon Department of Agriculture	South Santiam	170900030601	Sring Creek-Willamette River	34	85	51	14.0	2.6	0.7	3.6	7.1
Oregon Department of Agriculture	South Santiam	170900030602	Curtis Slough-Willamette River	23	89	66	30.4	2.9	2.5	2.6	22.4
Oregon Department of Agriculture	South Santiam	170900030604	Lake Creek-Willamette River	12	82	70	87.5	5.8	2.6	7.1	72.0
Oregon Department of Agriculture	South Santiam	170900030605	Booneville Channel-Willamette River	6	89	83	2.7	0.0	0.2	0.0	2.5

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Oregon Department of Agriculture	South Santiam	170900030606	Dry Muddy Creek-Muddy Creek	34	87	53	128.6	26.5	9.5	16.6	75.9
Oregon Department of Agriculture	South Santiam	170900030607	Little Muddy Creek	27	86	59	161.1	28.1	6.3	17.1	109.7
Oregon Department of Agriculture	South Santiam	170900030608	Fischor Island-Muddy Creek	28	65	37	114.1	43.5	8.9	9.7	52.0
Oregon Department of Agriculture	South Santiam	170900030609	Fraizer Creek-Willamette River	35	82	47	18.2	4.7	1.6	2.8	9.1
Oregon Department of Agriculture	South Santiam	170900030610	Truax Creek-Willamette River	23	86	63	110.6	15.5	4.7	10.0	80.4
Oregon Department of Agriculture	South Santiam	170900030611	McCarthy Slough-Willamette River	31	87	56	47.7	7.9	3.4	6.9	29.3
Oregon Department of Agriculture	South Santiam	170900060401	Shot Pouch Creek-South Santiam River	43	89	46	3.1	0.8	0.2	0.6	1.5
Oregon Department of Agriculture	South Santiam	170900060402	Middle Santiam River-Foster Reservoir	69	97	28	0.7	0.3	0.3	0.0	0.1
Oregon Department of Agriculture	South Santiam	170900060501	Little Wiley Creek	1	97	96	0.2	0.0	0.0	0.0	0.2

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Oregon Department of Agriculture	South Santiam	170900060502	Jackson Creek-Wiley Creek	20	93	73	2.0	0.1	0.0	0.1	1.7
Oregon Department of Agriculture	South Santiam	170900060602	Middle Crabtree Creek	48	79	31	8.2	3.0	0.5	2.5	2.2
Oregon Department of Agriculture	South Santiam	170900060603	Beaver Creek	29	92	63	153.1	18.8	9.7	22.8	101.8
Oregon Department of Agriculture	South Santiam	170900060604	Lower Crabtree Creek	31	84	53	194.5	35.0	14.0	26.5	119.0
Oregon Department of Agriculture	South Santiam	170900060703	Middle Thomas Creek	37	85	48	66.1	17.3	5.2	7.9	35.7
Oregon Department of Agriculture	South Santiam	170900060704	Neal Creek	54	93	39	25.3	8.6	3.2	4.7	8.9
Oregon Department of Agriculture	South Santiam	170900060705	Lower Thomas Creek	30	81	51	157.0	38.4	11.2	18.8	88.6
Oregon Department of Agriculture	South Santiam	170900060801	Ames Creek-South Santiam River	40	91	51	53.1	14.3	3.4	7.0	28.4
Oregon Department of Agriculture	South Santiam	170900060802	McDowell Creek	40	92	52	22.2	3.0	2.3	4.0	12.9

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Oregon Department of Agriculture	South Santiam	170900060803	Vail Creek-South Santiam River	33	82	49	55.2	12.5	4.7	8.6	29.4
Oregon Department of Agriculture	South Santiam	170900060804	Hamilton Creek	36	89	53	73.9	12.1	4.9	13.5	43.3
Oregon Department of Agriculture	South Santiam	170900060805	One Horse Slough Creek-South Santiam River	32	90	58	68.2	11.3	3.8	11.2	41.9
Oregon Department of Agriculture	South Santiam	170900060806	Mill Creek-South Santiam River	27	88	61	126.7	19.6	7.7	14.9	84.4
Oregon Department of Agriculture	Southern Willamette Valley	170900010403	Lower Salmon Creek	59	97	38	1.0	0.2	0.0	0.6	0.2
Oregon Department of Agriculture	Southern Willamette Valley	170900010608	Dartmouth Creek-North Fork Middle Fork Willamette River	31	96	65	0.4	0.0	0.0	0.0	0.4
Oregon Department of Agriculture	Southern Willamette Valley	170900010702	Lost Creek	41	93	52	9.2	1.1	1.0	2.6	4.6
Oregon Department of Agriculture	Southern Willamette Valley	170900010703	Dexter Reservoir-Middle Fork Willamette River	49	96	47	3.6	0.6	0.5	0.7	1.8

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Oregon Department of Agriculture	Southern Willamette Valley	170900010802	Lower Little Fall Creek	27	91	64	1.4	0.0	0.0	0.5	1.0
Oregon Department of Agriculture	Southern Willamette Valley	170900010906	Fall Creek Lake-Fall Creek	38	87	49	7.1	1.6	0.5	1.2	3.7
Oregon Department of Agriculture	Southern Willamette Valley	170900011001	Hills Creek	55	92	37	2.4	1.2	0.0	0.2	1.0
Oregon Department of Agriculture	Southern Willamette Valley	170900011002	Rattlesnake Creek-Middle Fork Willamette River	29	88	59	21.1	2.8	1.2	2.9	14.2
Oregon Department of Agriculture	Southern Willamette Valley	170900011003	Mill Race-Middle Fork Willamette River	38	88	50	23.1	5.1	2.3	3.1	12.6
Oregon Department of Agriculture	Southern Willamette Valley	170900020103	Lower Mosby Creek	51	94	43	8.7	3.0	1.3	0.6	3.9
Oregon Department of Agriculture	Southern Willamette Valley	170900020204	King Creek-Row River	49	91	42	4.7	1.3	0.3	1.0	2.1
Oregon Department of Agriculture	Southern Willamette Valley	170900020205	Dorena Lake-Row River	41	94	53	9.2	1.7	0.6	2.0	4.9

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Oregon Department of Agriculture	Southern Willamette Valley	170900020302	Lower Big River	91	97	6	0.3	0.3	0.0	0.0	0.0
Oregon Department of Agriculture	Southern Willamette Valley	170900020303	Combs Creek-Coast Fork Willamette River	45	85	40	9.8	3.1	1.2	2.1	3.3
Oregon Department of Agriculture	Southern Willamette Valley	170900020304	Cottage Grove Reservoir-Coast Fork Willamette River	76	96	20	0.1	0.0	0.0	0.0	0.0
Oregon Department of Agriculture	Southern Willamette Valley	170900020305	Martin Creek-Coast Fork Willamette River	37	93	56	18.0	3.5	2.6	1.4	10.5
Oregon Department of Agriculture	Southern Willamette Valley	170900020306	Silk Creek-Coast Fork Willamette River	41	95	54	11.0	2.5	0.7	2.0	5.8
Oregon Department of Agriculture	Southern Willamette Valley	170900020401	Hill Creek-Coast Fork Willamette River	39	91	52	26.5	4.8	2.1	4.6	15.1
Oregon Department of Agriculture	Southern Willamette Valley	170900020402	Upper Camas Swale Creek	39	80	41	24.6	7.0	2.3	5.0	10.2
Oregon Department of Agriculture	Southern Willamette Valley	170900020403	Lower Camas Swale Creek	29	88	59	32.3	5.6	1.1	4.0	21.5

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Oregon Department of Agriculture	Southern Willamette Valley	170900020404	Bear Creek-Coast Fork Willamette River	39	84	45	39.8	10.7	3.8	5.6	19.8
Oregon Department of Agriculture	Southern Willamette Valley	170900020405	Papenfus Creek-Coast Fork Willamette River	34	91	57	17.4	1.9	0.9	3.3	11.2
Oregon Department of Agriculture	Southern Willamette Valley	170900040601	Headwaters Mohawk River	55	96	41	5.7	2.1	0.4	0.9	2.4
Oregon Department of Agriculture	Southern Willamette Valley	170900040602	Shotcash Creek-Mohawk River	27	88	61	4.0	0.6	0.2	0.4	2.7
Oregon Department of Agriculture	Southern Willamette Valley	170900040603	Mill Creek	50	96	46	4.8	1.3	0.1	0.9	2.5
Oregon Department of Agriculture	Southern Willamette Valley	170900040604	Parsons Creek-Mohawk River	55	96	41	3.8	1.1	0.5	0.5	1.7
Oregon Department of Agriculture	Southern Willamette Valley	170900040605	McGowan Creek-Mohawk River	28	78	50	35.4	7.2	2.0	7.9	18.2
Oregon Department of Agriculture	Southern Willamette Valley	170900040701	Gate Creek	53	97	44	0.9	0.2	0.0	0.2	0.5

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Oregon Department of Agriculture	Southern Willamette Valley	170900040702	Deer Creek-McKenzie River	28	58	30	3.6	0.6	0.3	2.1	0.5
Oregon Department of Agriculture	Southern Willamette Valley	170900040703	Leaburg Canal-McKenzie River	26	68	42	4.0	1.6	0.4	0.2	1.8
Oregon Department of Agriculture	Southern Willamette Valley	170900040704	Holden Creek-McKenzie River	31	66	35	6.4	2.8	0.2	0.6	2.7
Oregon Department of Agriculture	Southern Willamette Valley	170900040705	Camp Creek	48	91	43	21.9	5.8	2.6	3.9	9.6
Oregon Department of Agriculture	Southern Willamette Valley	170900040706	Walterville Canal-McKenzie River	45	73	28	76.0	36.4	5.5	13.6	20.5
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030101	Upper Coyote Creek	46	93	47	60.9	16.3	5.9	10.9	27.8
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030102	Spencer Creek	44	91	47	24.6	6.2	2.5	4.7	11.2
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030103	Lower Coyote Creek	39	90	51	82.7	17.3	6.6	14.7	44.2
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030104	Headwaters Long Tom River	44	94	50	8.5	2.3	0.8	1.0	4.4

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Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030105	Elk Creek	60	96	36	33.8	13.4	3.5	5.5	11.5
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030106	Amazon Diversion Canal-Amazon Creek	40	90	50	1.6	0.2	0.2	0.4	0.8
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030107	Fern Ridge Lake-Long Tom River	43	88	45	31.6	9.3	2.9	5.2	14.1
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030108	Amazon Creek	10	89	79	42.0	2.4	0.4	1.2	38.1
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030109	Bear Creek-Long Tom River	30	84	54	131.2	27.0	8.8	18.4	77.0
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030110	Ferguson Creek-Long Tom River	31	86	55	57.7	10.0	2.6	8.6	36.5
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030601	Spring Creek-Willamette River	49	88	39	10.5	3.6	0.8	2.6	3.5
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030602	Curtis Slough-Willamette River	32	75	43	26.2	6.5	3.3	4.5	11.8
Oregon Department of Agriculture	Upper Willamette-Siuslaw	170900030603	Flat Creek	18	83	65	115.6	14.3	3.1	9.1	89.2

