

Summary Table

Watershed Name	Number	CWE Value	CWE Rating
Deep Creek	1712000704	8.75	MODERATE
Twentymile Creek	1712000701	6.75	MODERATE
HoneyFish Creek	1712000705	6.5	MODERATE
North Fork Sprague	1801020204	7.75	MODERATE
South Fork Sprague	1801020205	8.5	MODERATE
Sprague above Williamson	1801020207	7.5	MODERATE
Sprague above Sycan	1801020206	8.25	MODERATE
Sycan above Sprague	1801020203	9	MODERATE
Gerber Reservoir	1801020405	9	MODERATE
Upper Lost River	1801020404	7.25	MODERATE
North Fork Willow	1801020402	8.25	MODERATE

Subwatershed Name	Number	CWE Value	CWE Rating
Deming Creek	180102020701	7	MODERATE
Upper North Fork Sprague	180102020404	5.75	LOW
Lower North Fork Sprague	180102020407	6.5	MODERATE
Upper Sycan	180102020103	7.25	MODERATE
Brownsworth Creek	180102020501	6.5	MODERATE
Long Creek	180102020102	5.25	LOW
Coyote Creek	180102020202	6	LOW

Coefficients Assigned

		Measure	Coefficient
Roads	Road Impact Index	<1	1
		1<x<2.5	2
		>2.5	3
	Road Density (mi/mi ²)	<1.7	1
		1.7<x<4.7	2
		>4.7	3
Soils	Hydrologic Group Index	<15%	1
		15%<x<40%	2
		>40%	3
	Erosion Hazard	low	0.5
		mod	1
		high	1.5
	Compaction Hazard	low	0.25
		mod	0.5
		high	0.75
	Mass Movement Hazard	low	0.25
		mod	0.5
		high	0.75
% of Watershed w/ >20% slope	<20%	0.25	
	20%<x<50%	0.5	
	>50%	0.75	
Overall CWE Risk			
Low	4 to <6.5		
Moderate	6.5 to 9		
High	> 9 to 12		

Watershed Name & number DEEP CREEK 1712000704

Total Acres 175,056

Ownership Acres

FS	58847
Other	116133

Roads

Miles of open road	550
Number of stream crossings	415
Road Impact Index	2.66
Road Density (mi/mi ²)	2.42

Soils

Hydrologic Group Index	low
Erosion Hazard	high
Compaction Hazard	high
Mass Movement Hazard	low

Slope > 20% 19%

Forested Acres 39185

Non-Forested 19977

Total 59162

Overall CWE Risk

8.75 **MODERATE**

Watershed Name & number TWENTYMILE CREEK 1712000701

Total Acres 130594

Ownership Acres

FS	5163
Other	125431

Roads

Miles of open road	79
Number of stream crossings	66
Road Impact Index	0.14
Road Density (mi/mi ²)	0.78

Soils

Hydrologic Group Index	moderate
Erosion Hazard	high
Compaction Hazard	high
Mass Movement Hazard	low

Slope > 20% 10%

Forested Acres 1227

Non-Forested 3936

Total 5163

Overall CWE Risk

6.75 **MODERATE**

Watershed Name & number HONEY/FISH CREEK 1712000705

Total Acres 142716

Ownership Acres

FS 23900

Other 118815

Roads

Miles of open road 212

Number of stream crossings 145

Road Impact Index 0.88

Road Density (mi/mi²) 2.3

Soils

Hydrologic Group Index low

Erosion Hazard moderate

Compaction Hazard high

Mass Movement Hazard low

Slope > 20% 47%

Forested Acres 14592

Non-Forested 8829

Total 23421

Overall CWE Risk

6.5 **MODERATE**

Watershed Name & number NORTH FORK SPRAGUE RIVER 1801020204

Total Acres 133213

Ownership Acres

FS	68826
Other	64386

Roads

Miles of open road	701
Number of stream crossings	514
Road Impact Index	4.59
Road Density (mi/mi ²)	3.37

Soils

Hydrologic Group Index	low
Erosion Hazard	moderate
Compaction Hazard	low
Mass Movement Hazard	low

Slope > 20% 14%

Forested Acres 58308

Non-Forested 10680

Total 68988

Overall CWE Risk

7.75 **MODERATE**

Watershed Name & number SOUTH FORK SPRAGUE RIVER 1801020205

Total Acres 82157

Ownership Acres

FS	43806
Other	38351

Roads

Miles of open road	312
Number of stream crossings	233
Road Impact Index	1.50
Road Density (mi/mi ²)	2.43

Soils

Hydrologic Group Index	moderate
Erosion Hazard	high
Compaction Hazard	moderate
Mass Movement Hazard	low

Slope > 20% 17%

Forested Acres 32572

Non-Forested 13361

Total 45933

Overall CWE Risk

8.5 **MODERATE**

Watershed Name & number SPRAGUE RIVER ABOVE WILLIAMSON RIVER 1801020207

Total Acres 83032

Ownership Acres

FS	28751
Other	54180

Roads

Miles of open road	340
Number of stream crossings	307
Road Impact Index	2.13
Road Density (mi/mi ²)	2.62

Soils

Hydrologic Group Index	low
Erosion Hazard	high
Compaction Hazard	moderate
Mass Movement Hazard	low

Slope >20% 15%

Forested Acres 20909

Non-Forested 7928

Total 28837

Overall CWE Risk

7.5 MODERATE

Watershed Name & number SPRAGUE RIVER ABOVE SYCAN RIVER 1801020206

Total Acres 65043

Ownership Acres

FS	39750
Other	25293

Roads

Miles of open road	269
Number of stream crossings	197
Road Impact Index	1.38
Road Density (mi/mi ²)	2.65

Soils

Hydrologic Group Index	moderate
Erosion Hazard	moderate
Compaction Hazard	high
Mass Movement Hazard	low

Slope >20% 9%

Forested Acres 21074

Non-Forested 20044

Total 41118

Overall CWE Risk

8.25 **MODERATE**

Watershed Name & number SYCAN RIVER ABOVE SPRAGUE RIVER 1801020203

Total Acres 148311

Ownership Acres

FS	89305
Other	58996

Roads

Miles of open road	821
Number of stream crossings	438
Road Impact Index	4.32
Road Density (mi/mi ²)	3.72

Soils

Hydrologic Group Index	moderate
Erosion Hazard	moderate
Compaction Hazard	low
Mass Movement Hazard	low

Slope >20% 35%

Forested Acres 42427

Non-Forested 12389

Total 54816

Overall CWE Risk

9 **MODERATE**

Watershed Name & number GERBER RESERVOIR 1801020405

Total Acres 175974

Ownership Acres

FS	69082
Other	107940

Roads

Miles of open road	550
Number of stream crossings	320
Road Impact Index	1.78
Road Density (mi/mi ²)	2.10

Soils

Hydrologic Group Index	moderate
Erosion Hazard	high
Compaction Hazard	high
Mass Movement Hazard	low

Slope > 20% 27%

Forested Acres 31214

Non-Forested 36135

Total 67349

Overall CWE Risk

9 **MODERATE**

Watershed Name & number UPPER LOST RIVER 1801020404

Total Acres 92881

Ownership Acres

FS	4884
Other	87997

Roads

Miles of open road	76
Number of stream crossings	39
Road Impact Index	0.18
Road Density (mi/mi ²)	1.7

Soils

Hydrologic Group Index	moderate
Erosion Hazard	moderate
Compaction Hazard	high
Mass Movement Hazard	low

Slope > 20% 4%

Forested Acres 2951

Non-Forested 1932

Total 4883

Overall CWE Risk

7.25 **MODERATE**

Watershed Name & number NORTH FORK WILLOW 1801020402

Total Acres

Ownership Acres

FS	17543
Other	72819

Roads

Miles of open road	210	
Number of stream crossings	143	
Road Impact Index	1.31	2
Road Density (mi/mi ²)	3.47	2

Soils

Hydrologic Group Index	moderate	2
Erosion Hazard	moderate	1
Compaction Hazard	high	0.75
Mass Movement Hazard	low	0.25

Slope > 20%	4%	0.25
		8.25

Forested Acres 10839

Non-Forested 6698

Total 17537

Overall CWE Risk

8.25 **MODERATE**

Subshed Name & number Deming Creek 180102020701

Total Acres 14435

Ownership Acres

FS 6401

Other 8034

Roads

Miles of open road 66

Number of stream crossings 96

Road Impact Index 0.74

Road Density (mi/mi²) 2.93

Soils

Hydrologic Group Index low

Erosion Hazard high

Compaction Hazard high

Mass Movement Hazard low

Slope > 20% 29%

Forested Acres 5384

Non-Forested 1014

Total 6398

Overall CWE Risk

7 **MODERATE**

Subshed Name & number Upper North Fork of Sprague River 180102020404

Total Acres 29296

Ownership Acres

FS	28489
Other	807

Roads

Miles of open road	97
Number of stream crossings	51
Road Impact Index	0.29
Road Density (mi/mi ²)	2.12

Soils

Hydrologic Group Index	low
Erosion Hazard	moderate
Compaction Hazard	low
Mass Movement Hazard	low

Slope > 20% 13%

Forested Acres 25308

Non-Forested 3182

Total 28490

Overall CWE Risk

5.75 **LOW**

Subshed Name & number Lower North Fork of Sprague 180102020407

Total Acres 26677

Ownership Acres

FS	10030
Other	16646

Roads

Miles of open road	114
Number of stream crossings	79
Road Impact Index	0.57
Road Density (mi/mi ²)	2.73

Soils

Hydrologic Group Index	low
Erosion Hazard	high
Compaction Hazard	low
Mass Movement Hazard	low

Slope > 20% 24%

Forested Acres 7953

Non-Forested 2078

Total 10031

Overall CWE Risk

6.5 **MODERATE**

Subshed Name & number Upper Sycan River 180102020103

Total Acres 38430

Ownership Acres

FS	32521
Other	5909

Roads

Miles of open road	166
Number of stream crossings	77
Road Impact Index	0.56
Road Density (mi/mi ²)	2.76

Soils

Hydrologic Group Index	moderate
Erosion Hazard	moderate
Compaction Hazard	low
Mass Movement Hazard	low

Slope > 20% 99%

Forested Acres 23109

Non-Forested 9411

Total 32520

Overall CWE Risk

7.25 **MODERATE**

Subshed Name & number Brownsworth Creek 180102020501

Total Acres 12894

Ownership Acres

FS	5334
Other	7560

Roads

Miles of open road	49
Number of stream crossings	35
Road Impact Index	0.23
Road Density (mi/mi ²)	2.43

Soils

Hydrologic Group Index	low
Erosion Hazard	high
Compaction Hazard	low
Mass Movement Hazard	low

Slope > 20% 33%

Forested Acres 3731

Non-Forested 1603

Total 5334

Overall CWE Risk

6.5 **MODERATE**

Subshed Name & number Long Creek 180102020102

Total Acres 11308

Ownership Acres

FS 8083

Other 3225

Roads

Miles of open road 60

Number of stream crossings 21

Road Impact Index 0.19

Road Density (mi/mi²) 3.40

Soils

Hydrologic Group Index low

Erosion Hazard low

Compaction Hazard low

Mass Movement Hazard low

Slope > 20% <1%

Forested Acres 6554

Non-Forested 1529

Total 8083

Overall CWE Risk

5.25 **LOW**

Subshed Name & number Coyote Creek 180102020202

Total Acres 7623

Ownership Acres

FS	2429
Other	5194

Roads

Miles of open road	41
Number of stream crossings	15
Road Impact Index	0.14
Road Density (mi/mi ²)	3.44

Soils

Hydrologic Group Index	low
Erosion Hazard	moderate
Compaction Hazard	low
Mass Movement Hazard	low

Slope > 20% 23%

Forested Acres 2419

Non-Forested 10

Total 2429

Overall CWE Risk

6 **LOW**