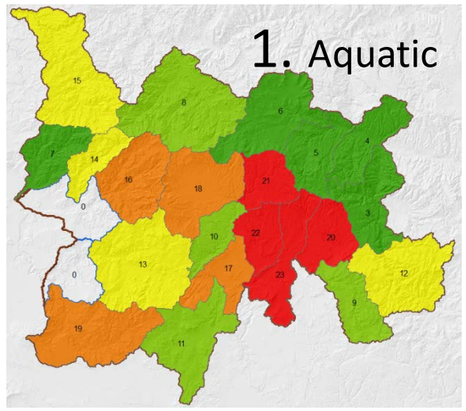
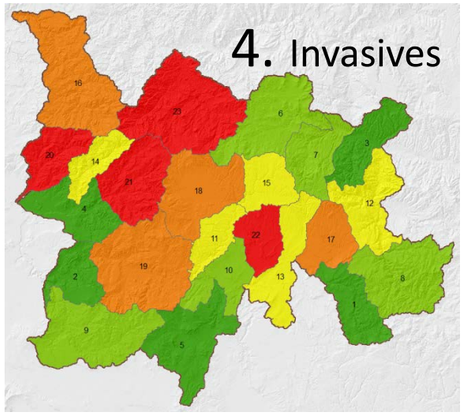
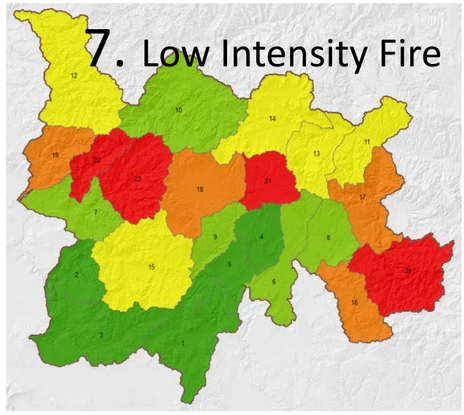
	OFRC Stakeholder-Identified Values, Threats, & Restoration Actions	Over-Simplified Name	How do we map it?	Where does the data come from?	Stakeholder Notes/Comments/Questions
1	healthy, resilient, functioning aquatic systems; diverse aquatic wildlife; intact aquatic biodiversity; high-quality, un-fragmented aquatic habitat; aquatic habitat fragmentation; stream and aquatic habitat restoration	Aquatic	aquatic biological (biota, riparian vegetation) and aquatic physical (water quality, water quantity, physical habitat) indicator scores within the watershed condition framework by watershed	Ochoco NF Watershed Condition Framework	
2	enhancing riparian vegetation; healthy, resilient, functioning aquatic systems; excluding livestock from riparian areas	Riparian	riparian vegetation indicator score within the watershed condition framework times the number of Acres of RHCA within a watershed	Ochoco NF Watershed Condition Framework	
3	healthy, resilient, functioning forests; diverse terrestrial wildlife; science-based forest management; intact terrestrial biodiversity; landscape diversity and heterogeneity; intact disturbance processes; uncharacteristic disturbances	Forests	% of forested successional classes above HRV for each PVT where active restoration (mechanical thinning & prescribed fire) is needed	Region 6 Restoration Needs Assessment by TNC and Region 6	
4	eradication, control and mitigation of non-native invasive plant species; Intact disturbance processes; uncharacteristic disturbances	Invasives	areas of known non-native invasive species infestation where treatment can reduce severity	Ochoco Invasive Data (Forest)	
5	maintenance of large/old trees; overharvest of large/old trees; landscape diversity and heterogeneity	Large Trees	% of a watershed with trees greater than 20 inches DBH	Gradient Nearest Neighbor (GNN) data	
6	intact disturbance processes; re-introduction of natural fire; uncharacteristic disturbances; intact biodiversity	Wildfire Hazard	Wildfire Hazard Potential depticting probability of torching, crowing, and other forms of extreme fire behavior	FSim modeling by the Rocky Mountain Research Institute	
7	intact disturbance processes; re-introduction of natural fire; uncharacteristic disturbances; intact biodiversity	Low Intensity Fire	% of the watershed that is Low Fire Intensity Levels (FIL) representing modeled flame length as a proxy for fire impacts on resources and values	FSim modeling by the Rocky Mountain Research Institute	
8	diverse terrestrial wildlife; intact terrestrial biodiversity; landscape diversity and heterogeneity	Wildlife	% of forest successional classes above HRV for each PVT where active restoration (mechanical thinning & prescribed fire) is needed	Region 6 Restoration Needs Assessment by TNC and Region 6	
9	large blocks of high-quality, un-fragmented terrestrial habitat; diverse wildlife; habitat fragmentation; identifying and preserving large blocks of un-fragmented habitat	Permeability	modeled landscape permeability; "measure of the hardness of barriers, the connectedness of natural cover, and the arrangement of land uses"	Landscape Permeability Analysis by TNC	
10	reducing road densities; large blocks of high-quality, un-fragmented terrestrial habitat; habitat fragmentation; identifying and preserving large blocks of un-fragmented habitat	Roads	Total (open and closed) system road density (miles per sq mile)	Ochoco NF road data	
11	accessible, high-quality recreation; education	Recreation	number/density of high-use recreation areas with opportunities for recreation enhancement and education	TBD	
12	economic and social vitality of timber dependent communities; merchantable timber	Economic	acres of economically feasible forest restoration treatments, considering forest density above HRV, distance to road, and slope	Ochoco NF economic feasability analysis	
13	economic and social vitality of livestock dependent communities	Livestock	% mid-successional closed forest above HRV where restoration treatments would likely contribute to an increase in native understory vegetation diversity and abundance for forage	Region 6 Restoration Needs Assessment by TNC and Region 6	
14	excluding livestock from riparian areas and streams; enhancing riparian vegetation; inappropriate grazing practices; risks to water quality	Riparian and Livestock	% of an allotment that is within RHCA by watershed	Ochoco NF RHCA and livestock allotment data	
15	hydrologic connectivity of road and trail network; risks to water quality; healthy, resilient, functioning aquatic and riparian systems; removing roads and trails from riparian areas and streams	Roads and Streams	average road density per watersehd times the numbers of acres of RHCA within the watersehd	Ochoco NF road and RHCA data	
16	unrestricted and unlawful OHV use; human disturbance; OHV education and enforcement	OHV	known high use OHV areas	TBD	

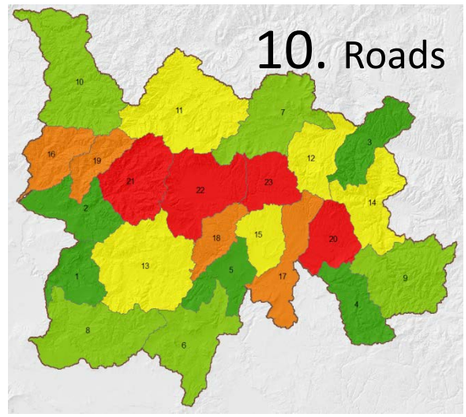
					Individual Values Rankings															
Watershed Name	Watershed Acres	RHCA Acres	Forested Acres	% Ochoco National Forest Ownership	Value_1	Value_2	Value_3	Value_4	Value_5	Value_6	Value_7	Value_8	Value_9	Value_10	Value_11	Value_12	Value_13	Value_14	Value_15	Value_16	Summed_Rank
Upper Ochoco Creek	96,039	7,667	87,303	71%	16	21	16	21	22	10	23	16	14	21	0	20	16	15	22	0	253
Lower Beaver Creek	81,360	2,835	19,957	30%	23	13	19	13	8	7	6	19	16	17	0	17	19	22	19	0	218
McKay Creek	63,479	5,699	39,585	40%	7	17	14	20	18	16	19	14	3	16	0	10	14	0	14	0	182
Bear Creek	138,188	4,732	18,058	12%	19	19	11	9	2	5	3	11	15	8	0	16	11	11	12	0	152
Lower South Fork John Day River	86,676	4,478	43,616	47%	3	10	5	12	17	17	17	5	21	14	0	18	5	21	13	0	178
Prineville Reservoir-Crooked River	54,112	1,397	2,862	2%	0	0	21	2	1	18	2	21	4	1	0	2	21	0	1	0	94
Lower North Fork Crooked River	44,926	1,821	20,177	48%	10	7	8	11	13	13	9	8	5	18	0	11	8	10	9	0	140
Rock Creek	72,090	2,597	36,122	31%	5	9	7	7	19	9	13	7	7	12	0	12	7	19	11	0	144
Mill Creek	45,803	4,514	37,208	79%	14	14	3	14	20	15	22	3	19	19	0	6	3	0	15	0	167
Watson Creek-Crooked River	58,912	1,264	6,362	10%	17	8	23	10	6	2	5	23	12	5	0	4	23	7	5	0	150
Middle South Fork John Day River	121,694	1,128	71,406	14%	12	6	15	8	15	3	20	15	18	9	0	15	15	8	8	0	167
Horse Heaven Creek-Crooked River	163,129	10,631	62,948	26%	13	23	22	19	12	4	15	22	9	13	0	19	22	16	20	0	229
Upper North Fork Crooked River	113,411	9,494	84,902	79%	18	22	10	18	21	20	18	10	6	22	0	23	10	13	23	0	234
Upper Beaver Creek	62,168	3,591	26,299	56%	20	16	9	17	11	14	8	9	22	20	0	21	9	17	18	0	211
Upper Middle John Day	70,796	1,250	26,859	16%	4	3	6	3	16	21	11	6	23	3	0	5	6	23	4	0	134
Lower Ochoco Creek	74,795	1,290	13,981	1%	0	0	17	4	4	23	7	17	2	2	0	1	17	0	3	0	97
Camp Creek	111,690	3,709	12,382	10%	11	15	18	5	3	1	1	18	17	6	0	8	18	9	7	0	137
South Fork Beaver Creek	65,992	1,044	23,673	4%	9	4	12	1	9	6	16	12	10	4	0	3	12	6	2	0	106
Upper Trout Creek	157,831	7,104	58,735	13%	15	20	4	16	7	22	12	4	8	10	0	9	4	14	17	0	162
Bridge Creek	172,284	4,341	57,856	19%	8	12	2	23	10	19	10	2	13	11	0	7	2	18	16	0	153
Paulina Creek	51,832	917	10,852	31%	22	5	20	22	5	11	4	20	11	15	0	13	20	5	6	0	179
Deep Creek	55,431	4,536	45,121	99%	21	18	13	15	23	8	21	13	1	23	0	22	13	12	21	0	224
Mountain Creek	117,528	2,280	54,855	16%	6	11	1	6	14	12	14	1	20	7	0	14	1	20	10	0	137

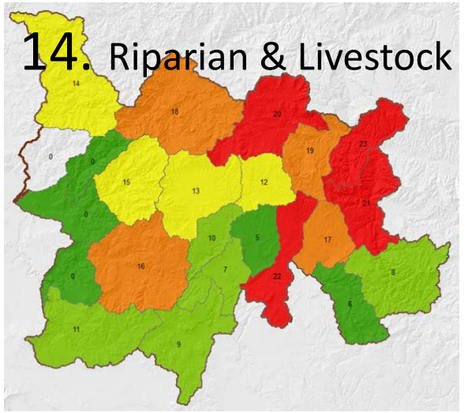
Ochoco National Forest Collaborative Values Mapping Project, 2015

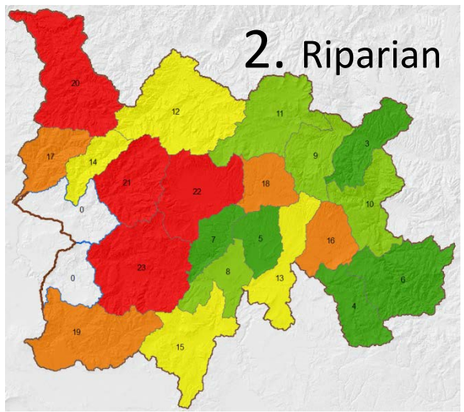


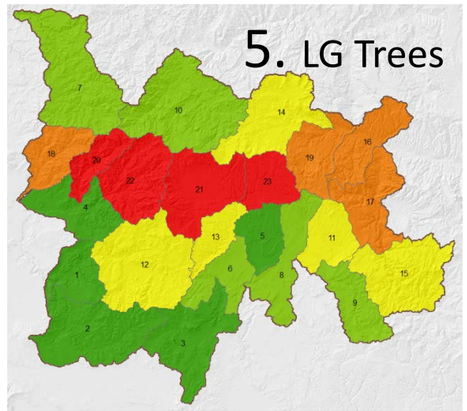


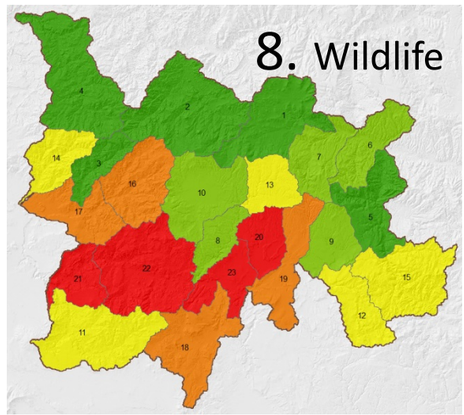


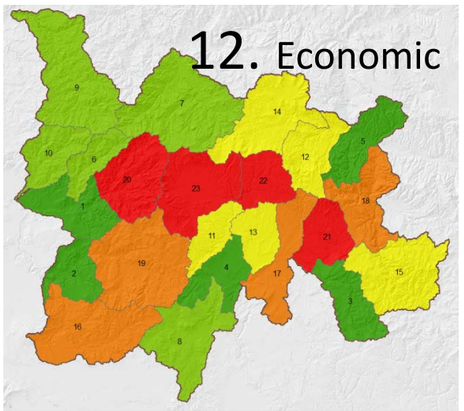


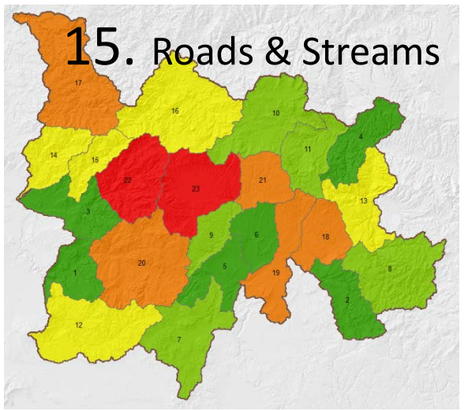


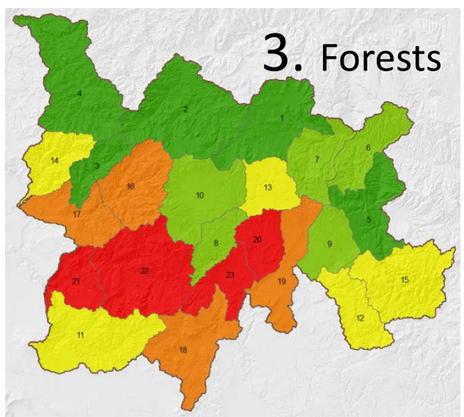


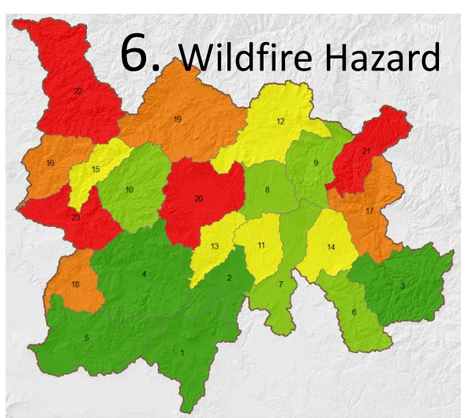


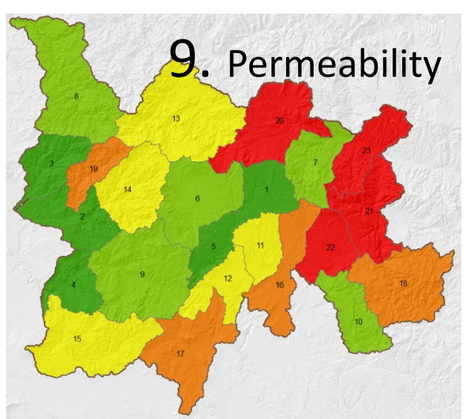


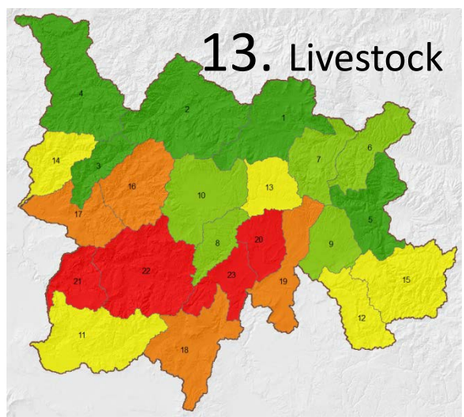


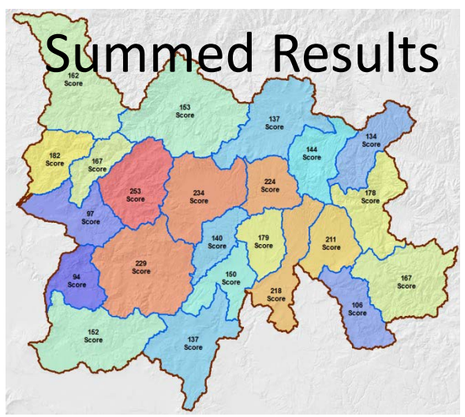


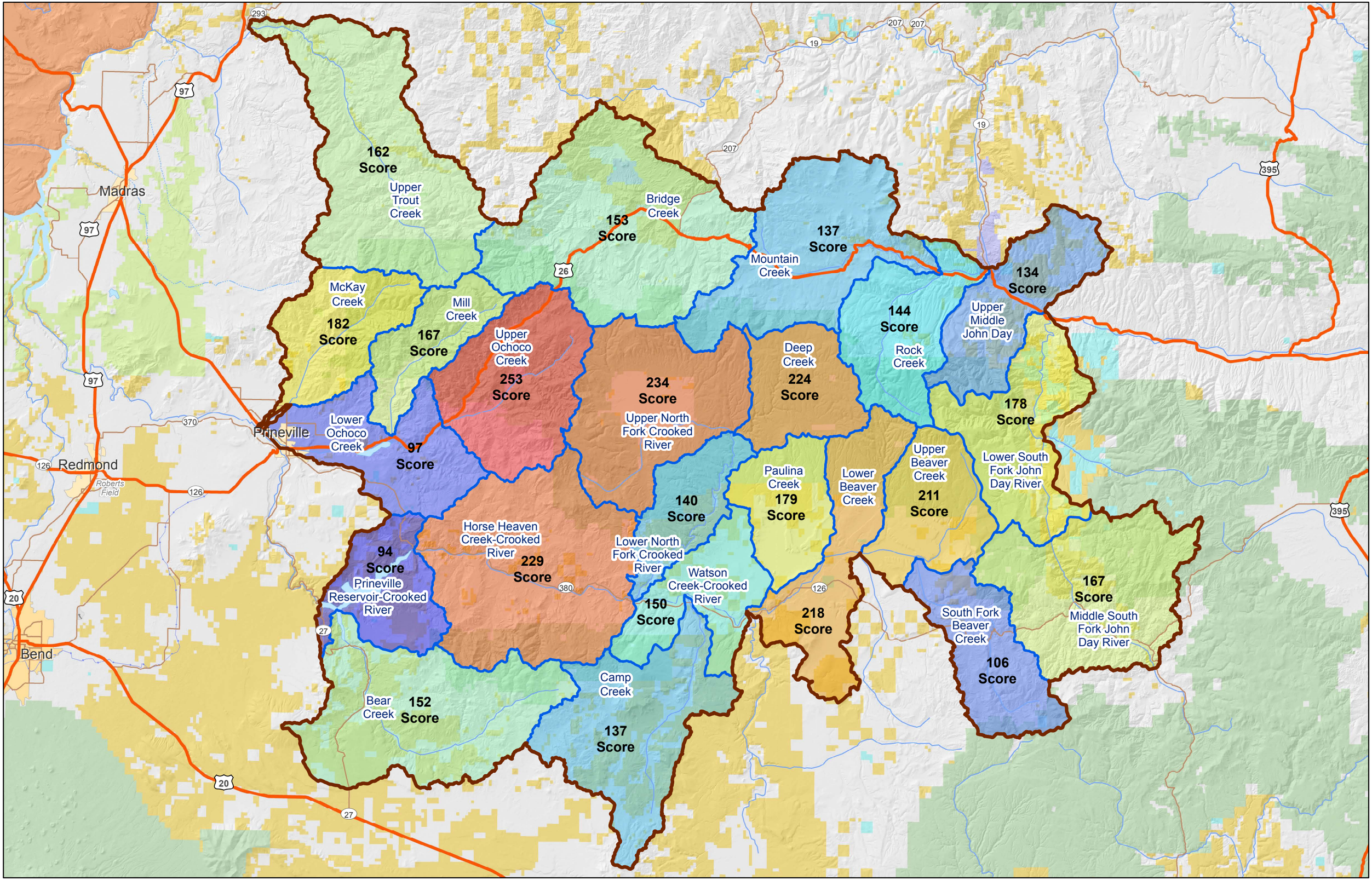








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Mountain
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Mill
Creek
167
Score
Upper
Ochoco
Creek
253
Score
234
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Fork Crooked
River
Deep
Creek
224
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144
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Rock
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John Day
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Paulina
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Day River
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Horse Heaven
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Watson
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