

## Appendix F: List of Restoration Projects

Summary of restoration actions that have occurred in the Umpqua Basin from the 2022 Oregon Statewide Status and Trends Report.

HUC8	HUC8_Name	ActivityType	Treatment_Unit	2001-2005	2006-2010	2011-2015	2016-2020	Total
17100301	North Umpqua	Instream	Large wood placed (Number of key piece logs)	260	360	422	433	1475
17100301	North Umpqua	Instream	Large wood placed (Number of non-key piece logs)	0	0	200	0	200
17100301	North Umpqua	Instream	Large wood placed (Number of structures)	300	61	59	109	529
17100301	North Umpqua	Instream	Boulders placed (Number of boulders)	302	0	3430	1887	5599
17100301	North Umpqua	Instream	Anchored habitat structures placed (Number of structures)	0	35	0	0	35
17100301	North Umpqua	Instream	Side channels reconnected to stream or access improved (Number of side channels)	2	0	0	0	2
17100301	North Umpqua	Instream	Spawning gravel placed (cubic yard)	0	0	1911	0	1911
17100301	North Umpqua	Instream	Animal species removal (acre-foot)	0	43000	0	0	43000
17100301	North Umpqua	Riparian	Riparian trees planted: conifer and hardwood (acres treated)	29.2	2	0.13	0	37.2
17100301	North Umpqua	Riparian	Riparian trees planted: conifer and hardwood (miles of treatment)	3.35	0	0	1	4.35
17100301	North Umpqua	Riparian	Riparian trees planted: hardwood (acres treated)	5	0	0	0	5
17100301	North Umpqua	Riparian	Riparian trees planted: hardwood (miles of treatment)	0.25	0	0	0	0.25
17100301	North Umpqua	Riparian	Riparian fencing (acres treated)	35.16	0	0.57	0	35.73
17100301	North Umpqua	Riparian	Riparian fencing (miles of treatment)	5.27	0	0.13	0	5.4
17100301	North Umpqua	Riparian	Voluntary riparian tree retention (acres treated)	0	3.3	45.39	9.88	58.57
17100301	North Umpqua	Riparian	Voluntary riparian tree retention (miles of treatment)	0	0.7	2.87	1.01	4.58
17100301	North Umpqua	Upland	Off-channel watering sites developed (Number of watering locations)	25	0	2	0	27
17100301	North Umpqua	Upland	Upland treated for non-native or noxious plant species (acres treated)	0	0	94.51	0	94.51
17100301	North Umpqua	Upland	Other upland erosion control practice (acres treated)	7	0	0	0	7
17100301	North Umpqua	Road	Structures replaced to meet 50+ year flow requirements (Number of structures)	24	3	25	6	58
17100301	North Umpqua	Road	Permanent cross-drains added above stream crossings (Number of structures)	4	6	0	13	23
17100301	North Umpqua	Road	Culverts added at locations other than above stream crossings (Number of culverts)	21	141	76	26	264
17100301	North Umpqua	Road	Existing culverts with outlet erosion protection added (Number of culverts)	0	0	7	0	7
17100301	North Umpqua	Road	Road durable rocking or quality hard road rocking prior to haul (miles of treatment)	6.46	18.07	15.63	7.18	47.34
17100301	North Umpqua	Road	Road down-cutting ditch rocking (miles of treatment)	0	0.63	0.23	0	0.86
17100301	North Umpqua	Road	Large landslides stabilized (Number of landslides)	0	0	1	0	1
17100301	North Umpqua	Road	Road obliterated, decommissioned, or vacated (miles of treatment)	0.14	0	0	0	0.14
17100301	North Umpqua	Fish Passage	Culverts/structures/fords replaced with bridges (Number of bridges)	1	0	0	1	2
17100301	North Umpqua	Fish Passage	Culverts/structures/fords replaced with open bottom arch culverts (Number of culverts)	0	1	0	0	1
17100301	North Umpqua	Fish Passage	Culverts/structures/fords replaced with culverts placed embedded or flat (Number of culverts)	9	0	2	0	11
17100301	North Umpqua	Fish Passage	Culverts/structures/fords replaced with weir/baffle culverts (Number of culverts)	1	0	1	0	2
17100301	North Umpqua	Fish Passage	Fish ladders installed (Number of fish ladders)	0	0	0	0	0
17100301	North Umpqua	Fish Passage	Fish ladders improved (Number of fish ladders)	0	0	1	0	1
17100301	North Umpqua	Fish Screening	New fish screens installed on diversions (where no screen had existed previously) (Number of fish screens)	0	1	13	1	15
17100301	North Umpqua	Fish Screening	Existing fish screens replaced, repaired, or modified (Number of fish screens)	0	0	3	0	3
17100302	South Umpqua	Instream	Large wood placed (Number of key piece logs)	1544	2325	1511	1278	6658
17100302	South Umpqua	Instream	Large wood placed (Number of non-key piece logs)	0	225	372	219	1016
17100302	South Umpqua	Instream	Large wood placed (Number of structures)	402	459	328	314	1503
17100302	South Umpqua	Instream	Boulders placed (Number of boulders)	278	550	2358	300	3486
17100302	South Umpqua	Instream	Weir installed (not below culvert): rock/boulder (Number of structures)	0	0	5	0	5
17100302	South Umpqua	Instream	Flow deflector installed: log (Number of structures)	0	2	0	0	2
17100302	South Umpqua	Instream	Side channels reconnected to stream or access improved (Number of side channels)	0	3	0	0	3
17100302	South Umpqua	Instream	Stream bank stabilized: bioengineering (miles of treatment)	0	0.25	0	0	0.25
17100302	South Umpqua	Instream	Stream bank stabilized: log revetment installed (miles of treatment)	1.4	0.2	0	0	1.6
17100302	South Umpqua	Instream	Spawning gravel placed (cubic yard)	0	500	300	0	800
17100302	South Umpqua	Riparian	Riparian trees planted: conifer (acres treated)	6	1.5	0	0	7.5
17100302	South Umpqua	Riparian	Riparian trees planted: conifer (miles of treatment)	0.28	0.5	0	0	0.78
17100302	South Umpqua	Riparian	Riparian trees planted: conifer and hardwood (acres treated)	38.4	32.91	4.37	4.9	80.58
17100302	South Umpqua	Riparian	Riparian trees planted: conifer and hardwood (miles of treatment)	6.18	4.63	2.03	0.76	13.58
17100302	South Umpqua	Riparian	Riparian trees planted: hardwood (acres treated)	0.3	0	0	0	0.3
17100302	South Umpqua	Riparian	Riparian trees planted: hardwood (miles of treatment)	0.7	0	0	0	0.7
17100302	South Umpqua	Riparian	Riparian fencing (acres treated)	110.45	60.35	15	2.1	187.9
17100302	South Umpqua	Riparian	Riparian fencing (miles of treatment)	17.22	3.5	2.25	0.85	23.82
17100302	South Umpqua	Riparian	Voluntary riparian tree retention (acres treated)	31.34	99.01	104.11	139.59	374.05
17100302	South Umpqua	Riparian	Voluntary riparian tree retention (miles of treatment)	4.98	9.82	8.82	12.71	36.33
17100302	South Umpqua	Upland	Off-channel watering sites developed (Number of watering locations)	23	13	0	0	36
17100302	South Umpqua	Upland	Upland fencing (acres treated)	50	0	0	0	50
17100302	South Umpqua	Upland	Grazing management: livestock rotation (pasture forage improvement through rotational livestock grazing) (acres treated)	0	113	0	0	113
17100302	South Umpqua	Upland	Other upland vegetation management (acres treated)	0	3.6	0	0	3.6
17100302	South Umpqua	Upland	Upland trees planted (acres treated)	0	12	0	0	12
17100302	South Umpqua	Upland	Upland shrubs or herbaceous vegetation planted/reseeded (acres treated)	0	7.9	0	3.15	11.05
17100302	South Umpqua	Upland	Upland treated for non-native or noxious plant species (acres treated)	0	10	3705.58	21.35	3736.93
17100302	South Umpqua	Upland	Other upland erosion control practice (acres treated)	5	0	0	0	5
17100302	South Umpqua	Upland	Livestock manure management (acres treated)	0	0.5	0	0	0.5
17100302	South Umpqua	Road	Structures replaced to meet 50+ year flow requirements (Number of structures)	9	1	0	2	12
17100302	South Umpqua	Road	Permanent cross-drains added above stream crossings (Number of structures)	10	2	0	0	12
17100302	South Umpqua	Road	Culverts added at locations other than above stream crossings (Number of culverts)	67	71	3	11	152
17100302	South Umpqua	Road	Existing culverts with outlet erosion protection added (Number of culverts)	4	0	0	0	4
17100302	South Umpqua	Road	Road durable rocking or quality hard road rocking prior to haul (miles of treatment)	11.36	11.63	1.16	4.04	28.19
17100302	South Umpqua	Road	Road obliterated, decommissioned, or vacated (miles of treatment)	0.36	0	0.32	0	0.68
17100302	South Umpqua	Fish Passage	Culverts/structures/fords removed and not replaced (Number of culverts)	0	0	0	0	0
17100302	South Umpqua	Fish Passage	Culverts/structures/fords replaced with bridges (Number of bridges)	2	13	8	3	24
17100302	South Umpqua	Fish Passage	Culverts/structures/fords replaced with open bottom arch culverts (Number of culverts)	2	1	2	2	7
17100302	South Umpqua	Fish Passage	Culverts/structures/fords replaced with culverts placed embedded or flat (Number of culverts)	18	7	3	3	31
17100302	South Umpqua	Fish Passage	Culverts/structures/fords replaced with weir/baffle culverts (Number of culverts)	3	0	0	0	3
17100302	South Umpqua	Fish Passage	Culverts/structures retrofitted with baffles or weirs (adding roughness into existing culverts) (Number of culverts)	0	1	0	0	1
17100302	South Umpqua	Fish Passage	Culverts with rock or log weirs installed below outlet (Number of culverts)	2	0	0	0	2
17100302	South Umpqua	Fish Passage	Culverts/structures installed to allow side channel access (Number of structures)	1	0	0	0	1
17100302	South Umpqua	Fish Passage	Fish ladders installed (Number of fish ladders)	1	0	0	0	1
17100302	South Umpqua	Fish Passage	Push-up dams permanently removed (Number of push-up dams)	2	0	0	0	2
17100302	South Umpqua	Fish Passage	Diversion dams removed or modified (Number of diversion dams)	1	0	0	0	1
17100302	South Umpqua	Fish Passage	Dam removed (Number of dams)	1	0	0	0	1
17100302	South Umpqua	Fish Screening	New fish screens installed on diversions (where no screen had existed previously) (Number of fish screens)	2	4	16	2	24
17100302	South Umpqua	Fish Screening	Existing fish screens replaced, repaired, or modified (Number of fish screens)	0	2	0	0	2
17100303	Umpqua	Instream	Large wood placed (Number of key piece logs)	1206	2957	6767	2035	12965
17100303	Umpqua	Instream	Large wood placed (Number of non-key piece logs)	0	70	443	560	1073
17100303	Umpqua	Instream	Large wood placed (Number of structures)	405	504	1116	243	2268
17100303	Umpqua	Instream	Boulders placed (Number of boulders)	3499	8453	21579	4285	37810
17100303	Umpqua	Instream	Anchored habitat structures placed (Number of structures)	0	12	0	0	18
17100303	Umpqua	Instream	Weir installed (not below culvert): log (Number of structures)	0	0	0	5	5
17100303	Umpqua	Instream	Weir installed (not below culvert): log and rock/boulder (Number of structures)	0	12	0	13	25
17100303	Umpqua	Instream	Weir installed (not below culvert): rock/boulder (Number of structures)	2	22	46	17	87
17100303	Umpqua	Instream	Flow deflector installed: rock/boulder (Number of structures)	2	5	83	0	90
17100303	Umpqua	Instream	V structure installed: rock/boulder (Number of structures)	0	9	13	0	22
17100303	Umpqua	Instream	Side channels created / excavated (Number of side channels)	0	0	4	0	4
17100303	Umpqua	Instream	Alcoves created with tributary/spring input (Number of alcoves)	0	0	1	0	1
17100303	Umpqua	Instream	Alcoves created without tributary/spring input (Number of alcoves)	0	0	12	0	12
17100303	Umpqua	Instream	Stream bank stabilized: bioengineering (miles of treatment)	0	0.28	0	0	0.28
17100303	Umpqua	Instream	Stream bank stabilized: log revetment installed (miles of treatment)	0	0.75	0	0	0.75
17100303	Umpqua	Instream	Main stream channel modified / created (miles of treatment)	0	0	0.09	0	0.09
17100303	Umpqua	Instream	Spawning gravel placed (cubic yard)	0	0	200	0	200
17100303	Umpqua	Instream	Rootwads placed (Number of rootwads)	0	0	121	0	121
17100303	Umpqua	Riparian	Riparian trees planted: conifer (acres treated)	63.15	1.5	0	0.01	64.66
17100303	Umpqua	Riparian	Riparian trees planted: conifer (miles of treatment)	3.34	0.48	0	0.02	3.84
17100303	Umpqua	Riparian	Riparian trees planted: conifer and hardwood (acres treated)	11.12	31.3	11.3	2.9	56.62
17100303	Umpqua	Riparian	Riparian trees planted: conifer and hardwood (miles of treatment)	2.35	2.42	2.4	0.5	8.42
17100303	Umpqua	Riparian	Riparian trees planted: hardwood (acres treated)	0	3.19	5	0	8.19
17100303	Umpqua	Riparian	Riparian trees planted: hardwood (miles of treatment)	0	0.75	0.5	0	1.25
17100303	Umpqua	Riparian	Riparian fencing (acres treated)	51.22	58.99	5.6	34.4	150.21
17100303	Umpqua	Riparian	Riparian fencing (miles of treatment)	6.6	3.14	0.6	2.23	12.57
17100303	Umpqua	Riparian	Voluntary riparian tree retention (acres treated)	235.58	335.79	196.31	280.39	1058.07
17100303	Umpqua	Riparian	Voluntary riparian tree retention (miles of treatment)	25.56	33.59	18.63	34.42	112.2
17100303	Umpqua	Upland	Off-channel watering sites developed (Number of watering locations)	11	15	9	10	45
17100303	Umpqua	Upland	Upland fencing (acres treated)	0	293	2	0	295
17100303	Umpqua	Upland	Grazing management: livestock rotation (pasture forage improvement through rotational livestock grazing) (acres treated)	0	503	0	0	503
17100303	Umpqua	Upland	Other upland vegetation management (acres treated)	39	90	0	0	129
17100303	Umpqua	Upland	Upland trees planted (acres treated)	0	16.5	0	0	16.5
17100303	Umpqua	Upland	Upland shrubs or herbaceous vegetation planted/reseeded (acres treated)	0	91	0	0	91
17100303	Umpqua	Upland	Upland treated for non-native or noxious plant species (acres treated)	120	91	2883.56	1585.54	4680.1
17100303	Umpqua	Upland	Grassed waterway established (acres treated)	0	0	0.8	0	0.8
17100303	Umpqua	Upland	Gully/grade stabilization (acres treated)	0	0	0.8	0	0.8
17100303	Umpqua	Upland	Gully/grade stabilization (Number of structures)	0	0	4	0	4
17100303	Umpqua	Upland	Mud management / Heavy use area protection (acres treated)	4	0	16	0	20
17100303	Umpqua	Upland	Other upland erosion control practice (acres treated)	4	0	0	0	4
17100303	Umpqua	Upland	Other upland erosion control practice (Number of structures)	1	0	0	0	1
17100303	Umpqua	Upland	Livestock manure management (acres treated)	1	0	2	0	3
17100303	Umpqua	Road	Stream crossings with log files/culverts removed and not replaced (Number of culverts)	7	6	8	0	21
17100303	Umpqua	Road	Structures replaced to meet 50+ year flow requirements (Number of structures)	158	5	35	31	229
17100303	Umpqua	Road	Structures modified by improving inlet condition (Number of structures)	0	5	0	0	5
17100303	Umpqua	Road	Permanent cross-drains added above stream crossings (Number of structures)	105	6	27	15	153
17100303	Umpqua	Road	Culverts added at locations other than above stream crossings (Number of culverts)	189	51	42	51	333
17100303	Umpqua	Road	Existing culverts with outlet erosion protection added (Number of culverts)	0	1	0	0	1
17100303	Umpqua	Road	Road durable rocking or quality hard road rocking prior to haul (miles of treatment)	21.9	10.11	1	1.99	35
17100303	Umpqua	Road	Road down-cutting ditch rocking (miles of treatment)	0.28	0	0	0	0.28
17100303	Umpqua	Road	Road pulled back and stabilized (miles of treatment)	0.08	0.15	0	0	0.23
17100303	Umpqua	Road	Large landslides stabilized (Number of landslides)	2	0	0	0	2
17100303	Umpqua	Road	Road obliterated, decommissioned, or vacated (miles of treatment)	6.76	4.73	0.44	0.97	12.9
17100303	Umpqua	Road	Road obliterated, decommissioned, or vacated (Number of miles)	0	0	0.4	0	0.4
17100303	Umpqua	Fish Passage	Culverts/structures/fords removed and not replaced (Number of culverts)	5	1	10	1	17
17100303	Umpqua	Fish Passage	Culverts/structures/fords replaced with bridges (Number of bridges)	8	8	3	1	16
17100303	Umpqua	Fish Passage	Culverts/structures/fords replaced with open bottom arch culverts (Number of culverts)	11	3	0	4	23
17100303	Umpqua	Fish Passage	Culverts/structures/fords replaced with culverts placed embedded or flat (Number of culverts)	21	14	5	2	42