

Fish Passage Barrier Culverts to be Replaced

Site (Road # MP #)	Watershed	Stream Class	Remediation Score	Upstream habitat	Fish Species	Funding Source	UA/AOP comments
2050000-10.36	Staney Creek	1	NA	NA 5% grad upstream and 3% DS	CO, DV	Stewardship	MS_a restoration stream and culvert had not been tagged as fish in earlier surveys. Coho stream. Culvert is constricted. Stream is karst and may go dry at times. Bedrock at outlet (cool bedrock at that). Two crossings upstream - both have UAs --. Class II 353m and 508 class I 0.3 miles to that road.
20004440-0.13	Steelhead Creek	1	2278	0.40 Class 1, 1.21 Class 2	CO, CT, DV, SH	Joint Chiefs	Steelhead Creek. Part of stream on State land. Lots of habitat above and coho sampled during UA and AOP survey. AWC-103-60-10290- upper coho/steelhead point below this crossing
2050000-19.51	Shaheen Creek	1	580	0.56 miles Class I, 11.2% avg gradient, 0.40 miles Class II, 10.1% avg gradient. 15.7' BW at culvert	CO, CT, DV, PS	Stewardship	AOP notes: PINKS SPAWNING. Big channel 15.7 feet bedwidth. Calls for a bridge replacement. October 2017-think it would work for culvert, good one to pursue. UA notes: adult pinks in stream from 0-415m, at 415m is a barrier (end of anadromous? may need to adjust score to reflect). No anadromous fish after 415m. No resident fish found after big barrier at 844m. If changed to class II at 400 meters, average gradient for class I section would be 6.8%.
3000000_84.181	Mabel Creek-Frontal Whale Passage	1	436	0.77 miles Class I, 3.95% avg gradient, and 0.38 miles Class II	DV, CT, CO	Stewardship	60' CMP, very constricted. CBW ~15ft. Extensive headcutting at inlet and erosion at outlet. Stream is becoming disconnected from its floodplain downstream. An obvious candidate for replacement. Could possibly use a few grade control structures downstream to reconnect floodplain, but that would probably require raising the road bed.
2051000-5.49	Nossuk Creek	1	233.8	0.06 m Class I, 0.38 miles Class II	CO, DV	Stewardship	No fish passage through pipe
3036000-0.27	Logjam Creek	1	161	0.67 miles class I, 3.5% avg gradient, 0.04 class II 8% avg gradient. 9.8' BW at culvert	CT, DV, CO	Stewardship	Beaverdam downstream. MC process group in AOP. MM in UA survey. Visited in October 2017, upstream has bedrock/boulder substrate to 160m, culvert backwatered and stream nice and flat below. UA got coho to 750-800 meters, would be a good one to consider. Rusted out on bottom in places.
3012000-0.586	Goose Creek	1	111.2		CT, DV, CO, SH	Joint Chiefs	Stream Class downstream: I Known fish presence: coho salmon (US/DS); Dolly Varden (US/DS); Cutthroat (US) Downstream channel characteristics: MM: Gradient= 4.5% Upstream channel characteristics: MM: Gradient=2.8%; 3.4 ft bedwidth; Fill height=4.38; UA=273 m Class II (avg gradient 2.8%) fish habitat upstream - REMEDATION SCORE = 111.2 Cataloged Stream: 102-70-10580-2023-3018 is 2900'
2050300-4.67	Staney Creek	2	107	0.19 miles	DV	Stewardship	Outlet is perched- will not pass fish.
3012000-0.283	Goose Creek	2	88.4		CT, DV	Joint Chiefs	Known fish presence: Dolly Varden, cutthroat trout Downstream channel characteristics: MM: Gradient= 5% Upstream channel characteristics: MM: Gradient=1-5.9%; 4.6 ft bedwidth; Fill height=3.31; UA=382 m Class I (avg gradient 5.9%) fish habitat upstream - REMEDATION SCORE = 88.4 Cataloged Stream: 102-70-10580-2023 is 2100' downstream
2050300-2.93	Staney Creek	2	85		CT, DV	Joint Chiefs	In AWC for Coho, Stream Code 103-90-10310-2018-3005. According to AWC-Coho present in 1991, observed by USFS biologist. Large channel would need modular bedrock reinforcement
2050070-0.150	Staney Creek	2	50	0.22 miles Class II	DV	Stewardship	This site was not prioritized since it had been grey but after further review, it was determined to be RED; rusted out and needs replacement. West of the east of the middle fork Staney. Want to close the upper RD which has a red pipe on this same stream upstream of crossing.
2050400-3.79	Staney Creek	2	42		DV	Joint Chiefs	2011: blockage is bedload stream may run dry at times. 2017: Needs discussion on how to address, calls for bridge replacement which is costly. May be ranked lower
2050400-4.49	Staney Creek	1	41	0.35 miles	CT, DV, CO	Stewardship	AHA CREEK. 2011 notes: blockage is bedload, looks like pipe backs up due to under sloped pipe and is eroding road base. 2017: Per ACummings-aprx 106m Class 1 and 461m of Class 2 above culvert (not sampled). UA needs to be redone on this one to get updated remediation score. Removed habitat above 1st barrier chute (7m high) to get an updated score of 41 (was 55 but included habitat above barrier). ACummings says coho habitat to 1st barrier, old UA has gradients of 18, 15, and 14 up to barrier, ACummings found it to be 5-7%.
2050000-22.23	Shaheen Creek	1	15	0.17 miles Class I	DV, PS, CO	Stewardship	2001: UA DONE; adult pinks observed spawning. Structural damage on culvert; bedrock at inlet