

2007-398-00 YAKIMA TRIBUTARY ACCESS & HABITAT PROGRAM (YTAHP)

Project Planning & Prioritization

														Total Metrics																
														Planning & Construction Totals					27.18		3.0		3480		128		19,683		\$14,720,000	
														Planning Only Totals (gray italicized text)					4.78		0		0		59		6,364		\$10,320,000	
Prioritization	Proposed Project Name	Planning Year	Implementation Year (Calendar)	Subbasin	Tributary	Reach (if identified)	Latitude (decimal/degrees)	Longitude (decimal/degrees)	Target/ Focal Species	Life History (LH) Stages Present (egg/juvenile/ rearing/ spawning/holding)	Limiting Factors (LF) Identified	Project Description	Work Elements	Describe How Project Addresses LF	Anticipated Benefit (complexity, refugia, etc.)	Anticipated miles of habitat opened	Anticipated acres of riparian or floodplain enhanced	Anticipated feet of stream enhanced	Anticipated CFS Screened	Anticipated Acre-Feet Screened	Landowner (Private, USFS, BLM, etc.)	Estimated Cost (Design/ Implementation)	Cost Share Available							
<b>North Yakima Conservation District</b>																														
<b>Cowiche MSA</b>																														
1	Cowiche Mouth Barrier Removal	2026	2027	Cowiche MSA	Cowiche Creek		46.627796	-120.568895	Mid-Columbia Steelhead, coho, Chinook salmon	egg/juvenile/ rearing/ spawning	Habitat Quantity - Anthropogenic Barriers	Removal of dam at mouth of Cowiche Creek. Irrigation withdraw will be switched to Nelson Dam upstream allowing for removal of structure.	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure	Barrier removal will improve available habitat to rearing fish during the summer, as well as provide better passage for migrating adults	Increased habitat availability	1.2	0	0	0	0	Yakima County	\$250,000	Maybe- City of Yakima, Yakima County							
2	Garretson Diversion Removal	2027	2028	Cowiche MSA	Cowiche Creek		46.624984	-120.583871	Mid-Columbia Steelhead, coho, Chinook salmon	egg/juvenile/ rearing/ spawning	Habitat Quantity - Anthropogenic Barriers	Removal of abandoned gravity diversion	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure	Barrier removal will improve available habitat to rearing fish during the summer, as well as provide better passage for migrating adults	Increased habitat availability	10				City of Yakima/ private diversion	\$150,000	Maybe- City of Yakima								
<b>Wenas MSA</b>																														
1	Purdin Ditch	2023-2024	2025-2026	Wenas MSA	Wenas Creek		46.780713	-120.642718	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Passage, screening, water quality, water quantity	The project focuses on restoring fish passage, installing a compliant fish screen, and replacing a four-mile-long open ditch with a pressurized pipeline system at the Purdin Ditch gravity diversion, located on Wenas Creek approximately 3 miles below Wenas Dam. Specifically, the current Purdin Ditch diversion dam will be removed and replaced with a roughen channel structure to provide grade control and fish passage; the diversion itself will be equipped with a WDFW and NMFS compliant fish screen to prevent entrainment of Mid-Columbia steelhead, effectively protecting of up to 18 cfs of water diverted out of the creek; and the 4 mile Purdin Ditch will be replaced by a piped pressurized irrigation system, delivering water to individual turnouts and water users. Water use will be closely monitored by newly installed water meters at the primary diversion, as well as each individual turnout. It is estimated that approximately 1.3 cfs of water will be saved through piping and made available to be left instream and rewater the section of South Fork Wenas Creek from the Purdin Ditch diversion to the confluence with North Fork and the mainstem.	175-Produce Design 165-Produce Environmental Compliance Documentation 85-Remove/Breach Fish Passage Barrier 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Screening of gravity diversion will eliminate fish mortality and injury through entrainment , Barrier removal will improve available habitat to rearing fish during the summer, as well as provide better passage for migrating adults. Improvements to irrigation efficiencies will help to increase available water instream.	Increased habitat availability and potential water quantity for instream benefit	1			18	3000	Private	\$2,100,000	Yes- USDA/RCP, WSCC Maybe- Salmon Recovery Funding Board							
2	WIDCC	2023	2024	Wenas MSA	Wenas Creek		46.794459	-120.650455	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury Water Quantity - Decreased Water Quantity	The project focuses on providing passage at the WID diversion which diverts water from NF Wenas Creek down SF Wenas Creek to the Purdin Ditch and consists of a two sided check dam that diverts flow and creates a 1.5 ft. drop in water surface elevation; providing passage and screening at the Lazy Heart B gravity diversion, which diverts over 2 cfs and creates a 3-foot drop in water surface elevation; and the Cameron Ranch pump station, which pumps 2 cfs of water, has a non-compliant fish screen, and requires regular instream work to remove alluvial fill blocking the intake.	175-Produce Design 165-Produce Environmental Compliance Documentation 85-Remove/Breach Fish Passage Barrier 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Screening of gravity diversion will eliminate fish mortality and injury through entrainment , Barrier removal will improve available habitat to rearing fish during the summer, as well as provide better passage for migrating adults. Improvements to irrigation efficiencies will help to increase available water	Increased habitat availability and potential water quantity for instream benefit	2		150	4.9	975	Private	\$1,200,000	Yes- USDA/RCP, WSCC Maybe- Salmon Recovery Funding Board							
3	Wenas Creek Habitat Enhancement (McKinny)	2023	2023	Wenas MSA	Wenas Creek		46.808152	-120.66048	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Riparian Condition - Riparian Vegetation	This project will install potted trees and shrubs along a section of Wenas Creek. This reach of creek has several sections of devoid of riparian vegetation. The purpose of this project is to supplement the existing vegetation to help create shade and thermal refuge for native salmonids. Sections to be planted will first be prepped using mechanical weed control methods, as well as the application of fabric mulch to control future weed growth around the planted trees and shrubs. Species to be included in the planting are aspen, black cottonwood, mock orange, golden currant, and douglas spirea.	47-Plant Vegetation 198-Maintain Vegetation	Supplement existing vegetation to help create shade and thermal refuge, as well as a source for instream wood recruitment for native salmonids	Habitat complexity, shade, thermal refuge		1	2000		Private	\$30,000	Maybe- WSCC								
4	Robertson Diversion	2025	2026	Wenas MSA	Wenas Creek		46.736971	-120.601622	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Injury and Mortality - Mechanical Injury	Implementation of a fish screen and pump on Wenas Creek to remove irrigator off of shared gravity diversion and improve on-farm irrigation use. This will be part of a larger project to address the gravity diversion and find alternative means for all irrigators to get water with the goal of removing the gravity diversion and associated fish passage barrier	175-Produce Design 165-Produce Environmental Compliance Documentation 208-Irrigation Infrastructure Construction or Replacement	Compliant fish screen to prevent fish mortality and injury through entrainment and impingement. Irrigation efficiencies improvements will increase available water instream.	Increase in available habitat and fish protection	4			0.79	158	Private	\$30,000								
5	Wenas Creek Pump Screen (Crabtree)	2026	2027	Wenas MSA	Wenas Creek		46.78081	-120.64275	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Injury and Mortality - Mechanical Injury	Installation of compliant fish screen on pump diversion	208-Irrigation Infrastructure Construction or Replacement	Compliant fish screen to prevent fish mortality and injury through entrainment and	Increase in available habitat and fish protection				0.49	73	Private	\$10,000	Maybe- Mitchell Act Funds							
6	Wenas Creek Pump Screen (Jones)	2026	2027	Wenas MSA	Wenas Creek		46.782004	-120.643306	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Injury and Mortality - Mechanical Injury	Installation of compliant fish screen on pump diversion	208-Irrigation Infrastructure Construction or Replacement	Compliant fish screen to prevent fish mortality and injury through entrainment and impingement. Irrigation efficiencies improvements will increase	Increase in available habitat and fish protection				0.49	73	Private	\$10,000	Maybe- Mitchell Act Funds							
7	Wenas Creek Pump Screen (Longmire)	2023	2024	Wenas MSA	Wenas Creek		46.749532	-120.608269	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Injury and Mortality - Mechanical Injury	Installation of compliant fish screen on pump diversion	208-Irrigation Infrastructure Construction or Replacement	Compliant fish screen to prevent fish mortality and injury through entrainment and impingement. Irrigation efficiencies improvements will increase	Increase in available habitat and fish protection				0.09	24	Private	\$10,000	Maybe- Mitchell Act Funds							
8	Faxon Barrier Removal	2025	2026	Wenas MSA	Wenas Creek		46.764032	-120.621639	Mid-Columbia Steelhead	egg/juvenile/ rearing/ spawning	Habitat Quantity - Anthropogenic Barriers	The project focuses on improving fish passage at a irrigation diversion.	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure	Barrier removal will improve available habitat to rearing fish during the summer, as well as provide better passage for migrating adults	Fish passage improvement and increased available habitat	2					Private	\$50,000								
<b>Kittitas County Conservation District</b>																														
<b>Caribou MSA</b>																														
1	Cooke Creek 02.27 - Tjossem Road fish passage	2023	2023	Caribou MSA	Cooke Creek	1 - EWC and downstream	46.963403	-120.451189	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers	Assess the irrigation diversion for passability and design and install fish passage structures to address barrier status.	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure	Corrects Fish Passage to increase available habitat	Increase in available habitat	1.2	0.6	450	40.2	5259.9		\$4,500,000								

2	Parke Creek 0.46	2023	2024	Caribou MSA	Parke	1 - EWC and downstream	46.944812	-120.466393	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers	Assess bridge/culvert structure for passibility. Previous project relocated diversions and check boards no longer used, but passage may still be an issue.	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure	Corrects fish passage barrier to increase available habitat	Increase in available habitat	0.5	0.2	150			Private	\$65,000	
3	Caribou Creek 03.37 Pump Diversion	2023	2023	Caribou MSA	Caribou Creek	2 - Between EWC and CID	46.975912	-120.418762	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Injury and Mortality - Mechanical Injury	Screen for small pump irrigating 12-15 acres of pasture to west of the creek	175-Produce Design 165-Produce Environmental Compliance Documentation 208-Irrigation Infrastructure Construction or Replacement	Install compliant fish screen to prevent fish mortality and injury through entrainment and impingement	Protection from mechanical injury			0.5	195		Private	\$5,000	
4	Caribou Creek 03.9 (at John Wayne Trail)	2023	2024	Caribou MSA	Caribou Creek	2 - Between EWC and CID	46.975912	-120.418762	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Screening and passage planning and implementation for gravity diversion [WR S4-84421-J] irrigating 62 acres.	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement	Install compliant fish screen to prevent fish mortality and injury through entrainment and impingement	Increase in available habitat and Protection from mechanical injury	0.4	0.2	150	0.8	312	Private	\$300,000	Maybe - USDA RCPP
5	Caribou Creek 04.3 - Cascade Irrigation District	2023-2025		Caribou MSA	Caribou Creek	2 - Between EWC and CID	46.984468	-120.408690	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Cascade Irrigation District intersection with Caribou Creek and diversion of water right S4-84625-J. Design work has been ongoing at this site since 2017 along with their Currier Creek and Coleman Intersections. Projects involve siphon for canal under creek and diversion with fish screen and fishway.	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structures for implementation	Increase in available habitat and Protection from mechanical injury	1			30	1255	Irrigation District ROW	\$2,100,000	Yes - Salmon Recovery Funding Board for design
6	Cooke Creek 04.3 - Screen & Passage	2025	2026	Caribou MSA	Cooke Creek	2 - Between EWC and CID	46.982734	-120.423439	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Gibb diversion just downstream of John Wayne Trail - screening, passage and potential on-farm sprinkler conversion to increase water use efficiency and reduced sediment/nutrient transport to stream	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Installs compliant fish screen to prevent fish mortality and injury Corrects fish passage barrier to increase available habitat	Increase in available habitat and Protection from mechanical injury	0.36	0.2	150	5	1950	Private	\$350,000	Maybe - USDA RCPP
7	Cooke Creek 03.5 - Fairview to Palouse to Cascades Screen & Passage	2025	2026	Caribou MSA	Cooke Creek	2 - Between EWC and CID	46.978909	-120.429543	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Assess 0.75 stream miles of Cooke Creek to locate multiple small pump diversions and provide screens and to inventory any passage barriers.	115- Produce Inventory or Assessment 175-Produce Design 165-Produce Environmental Compliance Documentation 208-Irrigation Infrastructure Construction or Replacement	Installs compliant fish screen to prevent fish mortality and injury Corrects fish passage barrier to increase available habitat	Increase in available habitat and Protection from mechanical injury	0.9			1.5	585	Private	\$45,000	Maybe - USDA RCPP
8	Caribou Creek 05.3 Screening and Passage	2027		Caribou MSA	Caribou Creek	3- Between CID and KRD	46.994376	-120.397351	Mid-Columbia Summer Steelhead	juvenile/rearing/ spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Plan and design fish screen and fish passage for diversion of 0.5 CFS [Water Right S4-84535-J] for irrigation of 20 acres and stock water and potential on-farm sprinkler conversion to increase water use efficiency and reduced sediment/nutrient transport to stream	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structures for implementation	Increase in available habitat and Protection from mechanical injury	0.2			0.8	334.9	Private	\$175,000	Maybe - USDA RCPP
9	Caribou Creek 05.5 Screening and Passage	2027		Caribou MSA	Caribou Creek	3- Between CID and KRD	46.995724	-120.396049	Mid-Columbia Summer Steelhead	juvenile/rearing/ spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Plan and design fish screen and fish passage for diversion of 1.6 CFS [Water Right S4-84505-J] for irrigation of 63 acres and stock water and potential on-farm sprinkler conversion to increase water use efficiency and reduced sediment/nutrient transport to stream	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structures for implementation	Increase in available habitat and Protection from mechanical injury	0.4			1.6	628	Private	\$175,000	Maybe - USDA RCPP
10	Caribou Creek 05.9 (Vantage Hwy Culvert)	2027		Caribou MSA	Caribou Creek	3- Between CID and KRD	46.975912	-120.418762	Mid-Columbia Summer Steelhead	juvenile/rearing/ spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Plan and design fish passage for the culvert at Vantage Highway. This is a Kittitas County owned structure.	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structures for implementation	Increase in available habitat	1.84					County	\$1,200,000	Maybe - USDA RCPP
Naneum MSA																4.96	1.35	880	62.7406	10119.9		\$6,380,000	
1	Naneum Creek 02.9	2022-2023	2024	Naneum MSA	Naneum	1 - EWC and downstream	46.967185	-120.488139	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Irrigation diversion structure (channel spanning concrete dam with check structures) that is unscreened and barrier to fish passage. Project will involve irrigation system upgrade (sprinklers) and possible consolidation with upstream diversion to efficiently screen and provide passage.	175-Produce Design 165-Produce Environmental Compliance Documentation 85-Remove/Breach Fish Passage Barrier 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Installs compliant fish screen to prevent fish mortality and injury Corrects fish passage barrier to increase available habitat	Increase in available habitat and Protection from mechanical injury	0.3	0.2	150	3	1037	Private	\$225,000	Yes - Salmon Recovery Funding Board
2	Naneum Creek 03.2	2022-2023	2024	Naneum MSA	Naneum	1 - EWC and downstream	46.970487	-120.484543	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Irrigation diversion structure (channel spanning concrete dam with check structures) that is unscreened and a barrier. Project will involve irrigation system upgrade (sprinklers) and possible consolidation with downstream diversion to efficiently screen and provide passage.	175-Produce Design 165-Produce Environmental Compliance Documentation 85-Remove/Breach Fish Passage Barrier 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Installs compliant fish screen to prevent fish mortality and injury Corrects fish passage barrier to increase available habitat	Increase in available habitat and Protection from mechanical injury	1.2	0.2	150	3	1037	Private	\$225,000	Yes - Salmon Recovery Funding Board
3	Naneum Creek 04.4 (Ellensburg Water Company)	2022-2023	2024-2026	Naneum MSA	Naneum	1 - EWC and downstream	47.00566	-120.472587	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Ellensburg Water Company intersection with Naneum Creek. Creek in culvert under canal. Project to place canal in siphon and restore streambed	175-Produce Design 165-Produce Environmental Compliance Documentation 85-Remove/Breach Fish Passage Barrier 47-Plant Vegetation 198-Maintain Vegetation	Corrects fish passage barrier to increase available habitat	Increase in available habitat	0.6	0.25	200			Private	\$850,000	Yes - Fish Barrier Removal Board and USDA RCPP
4	Coleman Creek 04.8 and 05.22 Raap Diversion	2023	2024-2026	Naneum MSA	Coleman Creek	2 - Between EWC and CID	46.996544	-120.462302	Mid-Columbia Summer Steelhead Spring Chinook Coho	juvenile/rearing	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Consolidation of two diversions to upper location and installation of fish screen and fish passage structures.	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Installs compliant fish screen to prevent fish mortality and injury Corrects fish passage barrier to increase available habitat	Increase in available habitat and Protection from mechanical injury	0.42	0.2	180	4	1522	Private	\$550,000	Maybe - USDA RCPP

5	Coleman Creek 05.43 - Cascade Irrigation District Intersection	2020-2023	2024-2027	Naneum MSA	Coleman Creek	2 - Between EWC and CID	47.003978	-120.457303	Mid-Columbia Summer Steelhead	juvenile/rearing/spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Cascade Irrigation District intersection with Coleman Creek and diversion of water right S4-84625-J. Design work has been ongoing at this site since 2017 along with their Currier Creek and Caribou Creek intersections. Projects involve siphon for canal under creek and diversion with fish screen and fishway. Design work for this is scheduled for completion by 2024. And construction is funded and expected to occur in 2025.	175-Produce Design 165-Produce Environmental Compliance Documentation 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Installs compliant fish screen to prevent fish mortality and injury  Corrects fish passage barrier to increase available habitat	Increase in available habitat and Protection from mechanical injury	0.2	0.5	200	25	2002	Irrigation District ROW	\$2,100,000	Yes- Fish Barrier Removal Board and USDA RCPP
6	Naneum Creek 05.0 - Three Diversions	2024-2025	2026-2027	Naneum MSA	Naneum	2 - Between EWC and CID	46.993813 46.996330 47.003413	-120.472860 -120.471916 -120.472686	Mid-Columbia Summer Steelhead	juvenile/rearing/spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Assess stream mile 5 on Naneum Creek to verify diversion locations and status. At least one has a fish screen installed in the early 2000's with NRCS funding. Others appear in adjudication, but no current verification if active. If so, address screen and passage for diversions. [Water Rights S4-84148-J, S4-84141-J, S4-84233-J, S4-84288-J]	115- Produce Inventory or Assessment 175-Produce Design 165-Produce Environmental Compliance Documentation 85-Remove/Breach Fish Passage Barrier 184-Install Fish Passage Structure 208-Irrigation Infrastructure Construction or Replacement 47-Plant Vegetation 198-Maintain Vegetation	Installs compliant fish screen to prevent fish mortality and injury  Corrects fish passage barrier to increase available habitat	Increase in available habitat and Protection from mechanical injury	0.9			1.472	375.5	Private	\$180,000	Maybe - USDA RCPP
7	Naneum Creek 05.9 (Cascade Irrigation District)	2023-2024		Naneum MSA	Naneum	2 - Between EWC and CID	47.005821	-120.472799	Mid-Columbia Summer Steelhead	juvenile/rearing/spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Cascade Irrigation District intersection with Naneum Creek. Designs for both a fish screen and fish passage at the site by installing a siphon for the canal to pass under the creek.	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structure for implementation	Increase in available habitat and Protection from mechanical injury	0.1			17.52	916	Irrigation District ROW	\$1,800,000	Yes - Salmon Recovery Funding Board for design
8	Coleman Creek 05.63 Clerf Diversion	2026-2028		Naneum MSA	Coleman Creek	3 - between CID and KR D	47.006663	-120.454223	Mid-Columbia Summer Steelhead	juvenile/rearing/spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Plan and design fish screen and fish passage for diversion of 6 CFS [Water Right S4-84486-J, S4-84504-J, S4-84445-J, S4-84447-J, S4-84485-J]. This is the first diversion upstream of the Cascade Irrigation District intersection.	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structure	Increase in available habitat and Protection from mechanical injury	0.2			6.55	2493.5	Private	\$180,000	
9	Coleman Creek 06.24 - Diversion with 2 Culverts	2026-2028		Naneum MSA	Coleman Creek	3 - between CID and KR D	47.014553	-120.449384	Mid-Columbia Summer Steelhead	juvenile/rearing/spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Plan and design fish screen and fish passage for diversion of 3 CFS [Water Right S4-84525-J gravity diversion]. This diversion is located in area with high potential for riparian enhancement and that will be included in the planning process.	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structure	Increase in available habitat and Protection from mechanical injury	0.61			1.96	687	Private	\$120,000	
10	Naneum Creek 06.0	2027		Naneum MSA	Naneum	3 - between CID and KR D	47.007171	-120.473579	Mid-Columbia Summer Steelhead	juvenile/rearing/spawning	Habitat Quantity - Anthropogenic Barriers Injury and Mortality - Mechanical Injury	Assess two small gravity diversions (0.2 and .0386 cfs) immediately upstream of Cascade Irrigation District intersection. Determine screening and passage solutions. [Water Rights S4-84128, S4-84134-J]	175-Produce Design 165-Produce Environmental Compliance Documentation	Design compliant fish screen and fish passage structures for implementation	Increase in available habitat and Protection from mechanical injury	0.43			0.2386	49.9	Private	\$150,000	