

This workbook contains habitat actions data downloaded directly from the Taurus database. Actions include those documented during the **Look Forward** process covering the **2016-2018** work window.

Individual sheets contain habitat actions data for individual populations for steelhead.

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Imnaha River	IRS5	Upper Imnaha R. Tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Imnaha River/Grouse Creek Fish Passage Improvement	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	10 miles	
Snake River Steelhead	Imnaha River	IRS5	Upper Imnaha R. Tributaries	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Imnaha River/Grouse Creek Fish Passage Improvement	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	2 miles (downstream)	
Snake River Steelhead	Imnaha River	IRS8	Upper Big Sheep & Little Sheep Mainstems	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Big Sheep Trail Conversion and Re-alignment (O-39001400), USFS	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1 mile	
Snake River Steelhead	Imnaha River	IRS8	Upper Big Sheep & Little Sheep Mainstems	1.1: Habitat Quantity: Anthropogenic Barriers	2018 Little Sheep Creek AOP Culvert Replacement on 3900-020 USFS	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	3 miles	
Snake River Steelhead	Imnaha River	IRS9	Upper Big Sheep & Little Sheep tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Lick Creek AOP Culvert Replacement	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	3.7 miles	

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment	
Snake River Steelhead	Joseph Creek	JCS5	Elk & Crow Creeks	4.1: Riparian Condition: Riparian Vegetation	2017 CrowCreek-Krebs	40. Install Fence	1401. # of miles of fence installed in a riparian area	0.94 miles	0.94 miles of exclusion fence protecting 6.26 acres in conservation easement, activation of abandoned channel, spring/ wetland protection, two off-site water developments	
Snake River Steelhead	Joseph Creek	JCS5	Elk & Crow Creeks	7.2: Sediment Conditions: Increased Sediment Quantity	2017 CrowCreek-Krebs	40. Install Fence	1401. # of miles of fence installed in a riparian area	0.94 miles	0.94 miles of exclusion fence protecting 6.26 acres in conservation easement, activation of abandoned channel, spring/ wetland protection, two off-site water developments	
Snake River Steelhead	Joseph Creek	JCS5	Elk & Crow Creeks	8.1: Water Quality: Temperature	2017 CrowCreek-Krebs	34. Develop Alternative Water Source	1569. # of alternate water sources installed	0 benefit through 2018	0.94 miles of exclusion fence protecting 6.26 acres in conservation easement, activation of abandoned channel, spring/ wetland protection, two off-site water developments2 off-site water developments	
Snake River Steelhead	Joseph Creek	JCS5	Elk & Crow Creeks	8.2: Water Quality: Oxygen	2017 CrowCreek-Krebs	29. Increase Aquatic and/or Floodplain Complexity		TBD	0.94 miles of exclusion fence protecting 6.26 acres in conservation easement, activation of abandoned channel, spring/ wetland protection, two off-site water developments	
Snake River Steelhead	Joseph Creek	JCS6	Lower Chesnimnus Creek and Prairie Tributaries	4.1: Riparian Condition: Riparian Vegetation	2016 ChesnimnusCreek-Williams	40. Install Fence	1401. # of miles of fence installed in a riparian area	1 mile	1 mile riparian fencing to complete previous fencing project, instalation of 2 solar livestock watering systems	
Snake River Steelhead	Joseph Creek	JCS6	Lower Chesnimnus Creek and Prairie Tributaries	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2016 ChesnimnusCreek-Williams	34. Develop Alternative Water Source	1569. # of alternate water sources installed	2 solar water systems	1 mile riparian fencing to complete previous fencing project, installation of 2 solar livestock watering systems	
Snake River Steelhead	Joseph Creek	JCS6	Lower Chesnimnus Creek and Prairie Tributaries	4.1: Riparian Condition: Riparian Vegetation	2017 WFPine-Krebs	40. Install Fence	1526. # of acres of riparian non-wetland habitat protected	2 miles	2.13 riparian exclosure fencing protecting 15.25 acres in conservation easement, bank treatments TBD	
Snake River Steelhead	Joseph Creek	JCS6	Lower Chesnimnus Creek and Prairie Tributaries	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2017 WFPine-Krebs	5. Land Purchase and/or Conservation Easement	1380. # of riparian acres protected	15.25 acres	2.13 riparian exclosure fencing protecting 15.25 acres in conservation easement, bank treatments TBD	
Snake River Steelhead	Joseph Creek	JCS6	Lower Chesnimnus Creek and Prairie Tributaries	7.2: Sediment Conditions: Increased Sediment Quantity	2016 ChesnimnusCreek-Williams	40. Install Fence	1401. # of miles of fence installed in a riparian area	1 mile	1 mile riparian fencing to complete previous fencing project, installation of 2 solar livestock watering systems	
Snake River Steelhead	Joseph Creek	JCS6	Lower Chesnimnus Creek and Prairie Tributaries	7.2: Sediment Conditions: Increased Sediment Quantity	2018 WFPine-Krebs	40. Install Fence	1527. # of acres of riparian wetland habitat protected	2.13 acres / 15.25 acres total	2.13 riparian exclosure fencing protecting 15.25 acres in conservation easement, bank treatments TBD	
Snake River Steelhead	Joseph Creek	JCS1	Joseph Cr. Mainstem	8.1: Water Quality: Temperature	2016-17 Birkmaier Lease/Renewal (RM40.5)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.81 cfs		
Snake River Steelhead	Joseph Creek	JCS1	Joseph Cr. Mainstem	9.2: Water Quantity: Decreased Water Quantity	2016-17 Birkmaier Lease/Renewal (RM40.5)	164. Acquire Water Instream	1452. Amount of water secured in acre-feet/year	0.81 cfs		

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Wallowa River	WRS6	Mid-Wallowa River - Dry Creek to Lostine River	4.1: Riparian Condition: Riparian Vegetation	2017 Wallowa-Baker	47. Plant Vegetation	1403. # of riparian acres treated	8.71 acres	30.2 acres in conservation easement, construction of 4 side channels adding 4,800' of stream, installation of 54 habitat structures (16 on mainstem 38 in side channels), creation of 8.71 acres of floodplanin, riparian planting on 8.71 acres, 3,000' riparian exclusion fencing
Snake River Steelhead	Wallowa River	WRS6	Mid-Wallowa River - Dry Creek to Lostine River	6.1: Channel Structure and Form: Bed and Channel Form	2017 Wallowa-Baker	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	4,800 linear feet	30.2 acres in conservation easement, construction of 4 side channels adding 4,800' of stream, installation of 54 habitat structures (16 on mainstem 38 in side channels), creation of 8.71 acres of floodplanin, riparian planting on 8.71 acres, 3,000' riparian exclusion fencing
Snake River Steelhead	Wallowa River	WRS6	Mid-Wallowa River - Dry Creek to Lostine River	6.2: Channel Structure and Form: Instream Structural Complexity	2017 Wallowa-Baker	29. Increase Aquatic and/or Floodplain Complexity	1388. # of structures installed	54 structures	30.2 acres in conservation easement, construction of 4 side channels adding 4,800' of stream, installation of 54 habitat structures (16 on mainstem 38 in side channels), creation of 8.71 acres of floodplanin, riparian planting on 8.71 acres, 3,000' riparian exclusion fencing
Snake River Steelhead	Wallowa River	WRS6	Mid-Wallowa River - Dry Creek to Lostine River	8.1: Water Quality: Temperature	2017 Wallowa-Baker	47. Plant Vegetation	1403. # of riparian acres treated	8.71 acres	30.2 acres in conservation easement, construction of 4 side channels adding 4,800' of stream, installation of 54 habitat structures (16 on mainstem 38 in side channels), creation of 8.71 acres of floodplanin, riparian planting on 8.71 acres, 3,000' riparian exclusion fencing
Snake River Steelhead	Wallowa River	WRS10	Lostine River	1.1: Habitat Quantity: Anthropogenic Barriers	2016 Lostine River/Sheep Ridge Fish Passage Improvement	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	17.3 miles	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	8.1: Water Quality: Temperature	2016-17 3-Year Minimum Flow/Renewal	164. Acquire Water Instream	1438. # of miles of primary stream reach improvement	5 miles	18 cfs gained (2016); 20 cfs (2017); up to 25 cfs each yrs
Snake River Steelhead	Wallowa River	WRS10	Lostine River	9.2: Water Quantity: Decreased Water Quantity	2016-17 3-Year Minimum Flow/Renewal	164. Acquire Water Instream	1438. # of miles of primary stream reach improvement	5 miles	18 cfs gained (2016); 20 cfs (2017); up to 25 cfs each yrs
Snake River Steelhead	Wallowa River	WRS10	Lostine River	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Lostine River/Tulley Hill Fish Passage Improvement	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1 miles	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	1.1: Habitat Quantity: Anthropogenic Barriers	Wolfe Conserve water	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	5.5 miles	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	8.1: Water Quality: Temperature	2016-17 Carlsen Acquisition	164. Acquire Water Instream	1438. # of miles of primary stream reach improvement	5 miles	2.2 cfs gained; water right acquisition leased instream
Snake River Steelhead	Wallowa River	WRS10	Lostine River	9.2: Water Quantity: Decreased Water Quantity	2016-17 Carlsen Acquisition	164. Acquire Water Instream	1438. # of miles of primary stream reach improvement	5 miles	2.2 cfs gained; water right acquisition leased instream
Snake River Steelhead	Wallowa River	WRS6	Mid-Wallowa River - Dry Creek to Lostine River	4.1: Riparian Condition: Riparian Vegetation	2017 Wallowa Baker Fencing				
Snake River Steelhead	Wallowa River	WRS6	Mid-Wallowa River - Dry Creek to Lostine River	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2017 Wallowa-Baker				
Snake River Steelhead	Wallowa River	WRS10	Lostine River	1.1: Habitat Quantity: Anthropogenic Barriers	2016-2017 3 year minimum flow	164. Acquire Water Instream		3.5 miles treated	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	1.1: Habitat Quantity: Anthropogenic Barriers	Wolfe Split Season Lease	164. Acquire Water Instream		5.5 miles treated	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	9.2: Water Quantity: Decreased Water Quantity	Wolfe Permanent Diversion	164. Acquire Water Instream		0.39	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	9.2: Water Quantity: Decreased Water Quantity	WolfeConserve water 2 cfs	164. Acquire Water Instream		2 cfs	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	9.2: Water Quantity: Decreased Water Quantity	Wolfe Split season lease 9.5 cfs	164. Acquire Water Instream		9.5 cfs	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	8.1: Water Quality: Temperature	Wolfe Permanent Diverssion	164. Acquire Water Instream		5 miles treated	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	8.1: Water Quality: Temperature	Wolfe Conserve Water 2 cfs	164. Acquire Water Instream		5 miles	
Snake River Steelhead	Wallowa River	WRS10	Lostine River	8.1: Water Quality: Temperature	Wolfe Conserve water May-July	164. Acquire Water Instream		5.5 miles	