

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 Chinook.

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Spring/Summer Chinook	Big Sheep Creek	BSC2	Upper Big Sheep Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Big Sheep Trail Conversion and Re-alignment (O-39001400)	33. Decommission Road/Relocate Road	1483. # of miles of road or trail created/relocated in the upland zone	1 mile	
Snake River Spring/Summer Chinook	Big Sheep Creek	BSC3	Big Sheep Creek Tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2016 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	1 mile	

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	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 Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	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	1.3 miles treated (4 side channels)	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 Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	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 Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Wallowa-Baker	40. Install Fence	1527. # of acres of riparian wetland habitat protected	0.6 miles treated	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 Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	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 Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	6.1: Channel Structure and Form: Bed and Channel Form	2018 Tamkaliks Habitat Restroration Project			0.4 miles treated	side channel creation
Snake River Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	6.2: Channel Structure and Form: Instream Structural Complexity	2018 Tamkaliks Habitat Restroation Project			1,000 feet	
Snake River Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	7.2: Sediment Conditions: Increased Sediment Quantity	2018 Tamkaliks Habitat Restroation Project			0.3 miles treated	
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	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	4.5 miles	
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	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 Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	1.1: Habitat Quantity: Anthropogenic Barriers	2016-17 3-Year Minimum Flow/Renewal	164. Acquire Water Instream	1439. # of miles of total stream reach improvement	3.5 miles	18 cfs gained (2016); 20 cfs (2017); up to 25 cfs each yrs
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	8.1: Water Quality: Temperature	2016-17 3-Year Minimum Flow/Renewal Lostine Minimum Flow agreement	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 Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	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 Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	9.2: Water Quantity: Decreased Water Quantity	Permanent 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 Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	9.2: Water Quantity: Decreased Water Quantity	2016-2018 3-Year Minimum Flow/Renewal; Lostine Minimum Flow agreement	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 Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	4.1: Riparian Condition: Riparian Vegetation	2018 Tamkaliks Habitat Restroation Project			0.4 miles	added during EP 5.3.16
Snake River Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2017: Wallowa-Baker (mainstem with side channels plus Spring creek connection			0.6 miles	added during EP lookforward 5.3.16
Snake River Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	Tamkaliks Habitat Restoration			0.28	added during EP lookforward 5.3.16
Snake River Spring/Summer Chinook	Lostine River	WLC3	Upper Wallowas River (Dry Cr. To Wallowas Lake)	9.2: Water Quantity: Decreased Water Quantity	2018 Wallowa-Baker	181. Create, Restore, and/or Enhance Wetland		0.022 cfs	
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	9.2: Water Quantity: Decreased Water Quantity	2012 Wolfe Permanent Donation	164. Acquire Water Instream	1438. # of miles of primary stream reach improvement	0.39 cfs	
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	1.1: Habitat Quantity: Anthropogenic Barriers	Wolfe water conservation	164. Acquire Water Instream		5.5 miles	Primarily May - July 2 cfs
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	1.1: Habitat Quantity: Anthropogenic Barriers	Wolfe split season lease	164. Acquire Water Instream		5.5 miles	9.5 cfs in August and September
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	9.2: Water Quantity: Decreased Water Quantity	Wolfe water conservation 12.5 cfs	164. Acquire Water Instream		12.5 cfs May-July	added as per EP 5.4.16
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	9.2: Water Quantity: Decreased Water Quantity	Wolfe split season lease	164. Acquire Water Instream		9.5 cfs in August and September	added as per EP 5.4.16
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	9.2: Water Quantity: Decreased Water Quantity	Wolfe water conservation 2 cfs	164. Acquire Water Instream		2 cfs August-Sept.	added as per EP 5.4.16
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	8.1: Water Quality: Temperature	2012 Wolfe Permanent Donation	164. Acquire Water Instream		0.39	added as per EP 5.4.16
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	8.1: Water Quality: Temperature	Wolfe water conservation 12.5 cfs	164. Acquire Water Instream		12.5 cfs	added as per EP 5.4.16
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	8.1: Water Quality: Temperature	Wolfe split season lease	164. Acquire Water Instream		9.5 cfs	added as per EP 5.4.16
Snake River Spring/Summer Chinook	Lostine River	WLC7	Lower Lostine River (Mouth to Silver Cr.)	8.1: Water Quality: Temperature	Wolfe water conservation 2 cfs	164. Acquire Water Instream		2 cfs	added as per EP 5.4.16