This workbook contains habitat actions data downloaded directly from the Taurus database. Actions include those documented during the **Look Back** process covering the **2012-2015** work window.

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

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	South Fork Salmon River	SSS2	Upper SF Salmon Tribs above EFSF Salmon (High Idaho Batholith Tribs - from the headwaters to the mouth of EFSF Salmon)	7.2: Sediment Conditions: Increased Sediment Quantity	2013: Decomission road in Six Bit, Warm Lake, Curtis Creek and Upper SFSR drainages	33. Decommission Road/Relocate Road		52.2 miles	2012: 52.17 miles of road fully recontoured affecting 14.46 stream miles. 7.1 miles of these roads were in RCA's. 67 perrenial stream crossings were restored with this work. Comments entered RM 8/8/2016 based on input from Nez Perce Tribe. 2016: 14.46 stream miles treated. Improvement rating by 2018 = 80%
Snake River Steelhead	South Fork Salmon River	SSS1B	Johnson Creek	1.1: Habitat Quantity: Anthropogenic Barriers	2012: Cox Creek Culvert Replacement (2 culverts)	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	0.3 miles	2012: It was calculated that 0.3 miles of habitat was opened through snorkeling, eDNA and ground trothing 2016: estimate of stream miles opened was modified to 0.4, then prorated to 50% with consideration of life stages that benefit from project.
Snake River Steelhead	South Fork Salmon River	SSS1B	Johnson Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2012: Burntlog Creek Road Decommissioning , Johnson Creek subwatershed	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland area	10.5 miles	2012: 10.5 miles of road fully recontoured. 3.7 miles of this were in RCA habitat. 18 perrenial stream crossing were restored with this work 2016: 0.45 stream miles treated
Snake River Steelhead	South Fork Salmon River	SSS1B	Johnson Creek	1.1: Habitat Quantity: Anthropogenic Barriers	2015: Construct AOP Culvert on Cox Creek	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	0.4 mile	2012: The upper culvert in cox creek went in in 2012, in 2015 the lower culvert will be put in place to ensure 0.4 miles of usuable habitat for juvenile chinook, steelhead and bull trout 2016: see comments for 2012 cox creek culvert improvements (2)
Snake River Steelhead	South Fork Salmon River	SSS1B	Johnson Creek	8.1: Water Quality: Temperature	2012: Cox Creek Planting	47. Plant Vegetation	1403. # of riparian acres treated	1 acre	2012: 1 acre of riparian planting along Cox Creek. A total of 494 riparian plants. Removed 0.6 acres of reed canary grass 2016: 590 plantings. 0.15 stream miles treated and 50% completed by 2018.
Snake River Steelhead	South Fork Salmon River	SSS1B	Johnson Creek	8.1: Water Quality: Temperature	2012: Cox Creek Fencing, and Reed Canary Grass Removal	40. Install Fence	1401. # of miles of fence installed in a riparian area	0.25 miles	2012: Livestock exclusion fencing to protect riparian habitat on Cox Creek 2016: 1.35 acres fenced with 50% effectiveness by 2018
Snake River Steelhead	South Fork Salmon River	SSS2	Upper SF Salmon Tribs above EFSF Salmon (High Idaho Batholith Tribs - from the headwaters to the mouth of EFSF Salmon)	7.2: Sediment Conditions: Increased Sediment Quantity	2014: Decomission road in Two Bit and Six Bit sub-watershed in the Upper SFSR drainages	38. Improve Road			2012: Fully recontoured roads. 2.45 miles of road were in RCA, restored 14 perrenial stream crossings 2016: 7.8 miles, 2.4 stream miles, but not counted in 2015 look back, but rather in the 2016 look forward (because of too high low bookend issues)
Snake River Steelhead	South Fork Salmon River	SSS4	Mainstem SF Salmon	7.2: Sediment Conditions: Increased Sediment Quantity	2015: Remove fishing trails in riparian habitat causing sediment in the SFSR	33. Decommission Road/Relocate Road		1.5 acres	2012: Decommission and rehabilitate user created fishing trail networks, condensing the use to a single, more stable trail for access to popular fishing sites. This work will improve RCA's and reduce sediment delivery to the SFSR to improve Chinook and steel head spawning habitat. 2016: 1.9 stream miles treated (10,000 linear feet of bank stabilization), but prorated (20%) to reflect the time it takes for vegetation to grow back.
Snake River Steelhead	South Fork Salmon River	SSS4	Mainstem SF Salmon	7.2: Sediment Conditions: Increased Sediment Quantity	2012: Restoration of Phoebe Creek Dispersed Campsite	47. Plant Vegetation	1403. # of riparian acres treated	0.8 acres	2012: Restore 0.8 acres of riparian habitat, 460 riparian plants planted, lowered flood plain, roughed up area to discourage camping in RCA 2016: 450 feet of planting, 480 plants, lay back bank slope. 0.06 stream miles treated and prorated to 80% by 2018 to reflect the time it takes to achieve intended results with vegetation planting.
Snake River Steelhead	South Fork Salmon River	SSS2	Upper SF Salmon Tribs above EFSF Salmon (High Idaho Batholith Tribs - from the headwaters to the mouth of EFSF Salmon)	7.2: Sediment Conditions: Increased Sediment Quantity	2012: Stolle Meadows road decommissioning	33. Decommission Road/Relocate Road		25.5 road miles	2016: 1.46 stream miles treated; added as per EP lookback EWL 4.19.16
Snake River Steelhead	South Fork Salmon River	SSS2	Upper SF Salmon Tribs above EFSF Salmon (High Idaho Batholith Tribs - from the headwaters to the mouth of EFSF Salmon)	7.2: Sediment Conditions: Increased Sediment Quantity	2015: Nickle and Dime Road decommissioning	33. Decommission Road/Relocate Road			2016: 12.7 road miles, 1.74 stream miles treated. Added as per EP lookback 4.19.16. Not counted for look back credit, rather it was considered in look forward due to problematic - too high- low bookend that would have made credit for this project impossible.
Snake River Steelhead	South Fork Salmon River	SSS2	Upper SF Salmon Tribs above EFSF Salmon (High Idaho Batholith Tribs - from the headwaters to the mouth of EFSF Salmon)	7.2: Sediment Conditions: Increased Sediment Quantity	2013: Construct Bridge at Cabin Creek Ford and riparian planting	55. Erosion and Sedimentation Control		0.1 miles	added as per EP lookback. EWL 4.19.16. A vehicular ford on Cabin Creek was causing sediment issues to downstream chinook, steelhead and bull trout spawning. A new bridge was put in
Snake River Steelhead	South Fork Salmon River	SSS4	Mainstem SF Salmon	7.2: Sediment Conditions: Increased Sediment Quantity	2014: Old South Fork Road Decommissioning and veg planting	33. Decommission Road/Relocate Road		2.4 road miles	2016: 1.2 stream miles treated and prorated to 85% by 2018 to reflect the time it takes to achieve intended results when vegetation planting. Added as per EP lookback . EWL 4.19.16
Snake River Steelhead	South Fork Salmon River	SSS4	Mainstem SF Salmon	7.2: Sediment Conditions: Increased Sediment Quantity	2013: Decommission road in Six Bit, Warm Lake, Curtis Creek and Upper SFSR drainages	33. Decommission Road/Relocate Road		15.09 stream miles	2016: 0.63 stream miles treated and prorated 80% by 2018 to reflect progress toward goals takes time. added as per EP lookback. Although the project occurred in SSS2, there are downstream benefits. EWL 419.16

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Secesh River	SES1	Secesh River	1.1: Habitat Quantity: Anthropogenic Barriers	2012:Construct AOP Culvert on Burgdorf Creek	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	0.83 mile	Burgdorf culvert was replaced with an AOP struture to open 0.83 miles of habitat. This length of habitat opened was determined by ground truthing and snorkel surveys. 2016: This project treated 2.1 stream miles
Snake River Steelhead	Secesh River	SES1	Secesh River	7.2: Sediment Conditions: Increased Sediment Quantity	2013: Burgdorf Road Improvement Project	38. Improve Road		5.2 miles	The road improvement project on Burgdorf road involved the graveling of 5.2 miles of road, the addition of new cross drains, changing of road drainage (inslope/outslope) to reduce sediment into Lake Creek. 2016: 2016: 9.6 road miles and 1.6 stream miles treated, but only 50% improvement to 2018. Benefits of this project were combined with Lick Creek road improvements also listed in actions and metrics
Snake River Steelhead	Secesh River	SES1	Secesh River	7.2: Sediment Conditions: Increased Sediment Quantity	2015: Lick Creek road improvement project	38. Improve Road	1394. # of miles of road improved or decommissioned in a riparian are	4.6 miles	The road improvement project on Lick Creek road andjacent to the Secesh River involved the graveling of 4.6 miles of road, the addition of new cross drains, changing of road drainage (inslope/outslope) to reduce sediment into Secesh River. 2016: 9.6 road miles and 1.6 stream miles treated, but only 50% improvement to 2018. Benefits of this project were combined with Burgdorf road improvements also listed in actions and metrics
Snake River Steelhead	Secesh River	SES1	Secesh River	7.2: Sediment Conditions: Increased Sediment Quantity	2013 and 2014: Lake Creek Burgdorf meadows bank stabilization	47. Plant Vegetation	1406. # of riparian miles treated	0.08 stream miles	2016: 0.08 stream miles treated and prorated to 75% completed by 2018. Project addec during EP lookback EWL 4.19.16

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Pla
Snake River Steelhead	Big, Camas, and Loon Creek	MLS1B	Upper Big Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2014: Smith Creek Trail Improvement	38. Improve Road	1486. # of miles of trail improved or decommissioned in a riparian area	4.87 road
Snake River Steelhead	Big, Camas, and Loon Creek	MLS1B	Upper Big Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2015: Smith Creek Trail Improvement	38. Improve Road		1.5 miles
Snake River Steelhead	Big, Camas, and Loon Creek	MLS1A	Lower Big Creek	7.2: Sediment Conditions: Increased Sediment Quantity	Loon Creek, Middle fork Salmon; 2013: Mayfield Creek and			
					Trail Creek Reconnection			

n Value	Plan Comment
miles	Trail improvements were made to an existing 4-wheeler trail that was impacting
	steelhead and bull trout spawning. In order to reduce sediment 50 water bars and 10
	stream crossings were improved.
	Trail improvements will continue on this road to reduce impacts to steelhead and bull
	trout spawning from ATV fording the river. In order to reduce sediment water bars and
	stream crossings will be improved.
	2016: 0.62 stream miles treated
	Added during EP lookback EWL 4.19.16. These projects were barrier removal and
	screening projects and had negligible benefits for sediment.