NOTES:

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 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 Clearwater River	SCS2	Crooked River	5.1: Peripheral and Transitional Habitats: Side Channel and	2017 Crooked River Valley Rehab Phase 1	30. Realign, Connect, and/or Create Channel	1473, # of acres of wetland affected by treatment	0.5 miles (17 acres)	Expected completion: 2016. There are 17 acres, of 34 reconstructed floodplain aces.
Sildre inter Sceniedd		5002		Wetland Conditions					that will function as wetlands and side channels. Updated to expected completion in 2017, and no benefit until 2020 -MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS2	Crooked River	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2018 Crooked River Valley Rehab Phase 2	30. Realign, Connect, and/or Create Channel		0.5 miles (15 acres)	Expected completion 2017. There are 15 acres, of 30 reconstructed floodplain aces, that will function as wetlands and side channels. Updated completion date to 2018 during LF, no benefit until 2021MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS2	Crooked River	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2017 Crooked River Valley Rehab Phase 1	30. Realign, Connect, and/or Create Channel		0.5 miles (17 acres)	Expected completion 2016. There are 17 acres, of 34 reconstructed floodplain aces, that will function as floodplain habitat. Updated completion date to 2017 during LF, no benefit until 2020MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS2	Crooked River	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2018 Crooked River Valley Rehab Phase 2	30. Realign, Connect, and/or Create Channel		0.5 miles (15 acres)	Expected completion 2017. There are 15 acres, of 30 reconstructed floodplain aces, that will function as wetlands and side channels. Updated completion date to 2018 during LF, no benefit until 2021-MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS5	Mill Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Road 309 Improvements	38. Improve Road	1394. # of miles of road improved or decommissioned in a riparian area	2.3 miles	Expected completion 2017. Surfacing, cross drain repair, and ditch cleanout. Edited by R. Mazaika 5/11/2016 based on input from E. Taylor. Updated metric to 2.3 miles (5 miles of road, but only effect 2.3 stream miles)MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS6	Misc Clearwater Tribs	1.1: Habitat Quantity: Anthropogenic Barriers	2016 Leggett Creek Culvert Replacement- partial barrier	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	8 miles	Expected completion 2016. Upstream gradient less than 12%. Edited by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	South Fork Clearwater River	SCS6	Misc Clearwater Tribs	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Peasley Creek Culvert Replacement- partial barrier	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	8.2 miles	Expected completion 2017. Upstream gradient less than 12%. Edited by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	South Fork Clearwater River	SCS6	Misc Clearwater Tribs	1.1: Habitat Quantity: Anthropogenic Barriers	2018 Moose Creek Culvert Replacement	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	2.6 miles	Expected completion 2018. Upstream gradient less than 12%. Barrier but no high quality upstream habitat. Edited by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	South Fork Clearwater River	SCS7	Newsome Creek	4.1: Riparian Condition: Riparian Vegetation	2018 Newsome stream & floodplain restoration (Phase I), Reach 2 planting	47. Plant Vegetation	1403. # of riparian acres treated	1.95 miles	Expected completion 2018.
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Snake River Steelhead	South Fork Clearwater River	SCS7	Newsome Creek	4.2: Riparian Condition: LWD Recruitment	2018 Newsome stream & floodplain restoration (Phase I), Reach 2 planting	47. Plant Vegetation	1403. # of riparian acres treated	1.95 miles	Expected completion 2018.
Snake River Steelhead	South Fork Clearwater River	SCS7	Newsome Creek	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2017 Newsome stream & floodplain restoration (Phase I), Reach 2 planting	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	1.95 miles	Expected completion: 2017. Per the 2016 EP LF: Floodplain project upgrades were considered during the 2012-15 lookback, but side channel improvements need to be considered 2016-18MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS7	Newsome Creek	6.2: Channel Structure and Form: Instream Structural Complexity	2017 Newsome stream & floodplain restoration (Phase I), Reach 2 planting			1.95 miles	Expected completion 2017. Per 2016 EP LF: The floodplain improvements were considered during the lookback, however, complexity improvements needs to be included in 2016-18MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS7	Newsome Creek	8.1: Water Quality: Temperature	2017 Newsome stream & floodplain restoration (Phase I), Reach 2 planting	47. Plant Vegetation	1403. # of riparian acres treated	1.95 miles	Expected completion 2018. Re-connecting hyporheic zone/flow and improving temps.
Snake River Steelhead	South Fork Clearwater River	SCS8	Red River	4.1: Riparian Condition: Riparian Vegetation	2016-18 Lower Red River Meadow Restoration	47. Plant Vegetation	1406. # of riparian miles treated	2.25 miles	Expected completion 2016. Project consists of instream work, re-meandering, berm/tailings removal, planting & bank stabilization; annual meadow plantings on private and state property. No Work Element or Metrics Identified.
Snake River Steelhead	South Fork Clearwater River	SCS8	Red River	4.1: Riparian Condition: Riparian Vegetation	2017-18 Red River Meadows Planting	47. Plant Vegetation	1404. # of upland acres treated	1 mile	Expected completion 2017.
Snake River Steelhead	South Fork Clearwater River	SCS8	Red River	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2016 Lower Red River Meadow Restoration	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	2.25 miles	Expected completion 2016. Project consists of instream work, re-meandering, berrn/tailings removal, planting & bank stabilization.
Snake River Steelhead	South Fork Clearwater River	SCS8	Red River	6.2: Channel Structure and Form: Instream Structural Complexity	Lower Red River Meadow Restoration	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	2.25 miles	Expected completion 2016. Project consists of instream work, re-meandering, berm/tailings removal, planting & bank stabilization.
Snake River Steelhead	South Fork Clearwater River	SCS8	Red River	8.1: Water Quality: Temperature	2016-18 Lower Red River Meadow Restoration, including vegetation and channel reconstruction			2.25 miles	Expected completion 2016. Project consists of instream work, re-meandering, berm/tailings removal, planting & bank stabilization; annual meadow plantings on private and state property. No Work Elements or Metrics identified.
Snake River Steelhead	South Fork Clearwater River	SCS8	Red River	8.1: Water Quality: Temperature	2017-18 Red River Meadows Planting			1 miles (6 acres)	Expected completion 2017. No Work Elements or Metrics identified.
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Snake River Steelhead	South Fork Clearwater River	SCS1	American River	8.1: Water Quality: Temperature	2016 Elk Creek Vegetation Planting	47. Plant Vegetation	1406. # of riparian miles treated	0.25 miles	The Nez Perce Tribe will work with a local land owner to plant riparian vegetation along Elk Creek. The creek has been farmed and grazed historically, Approximately 5 miles of riparian area has been put into a 20-year conservation easement and is fenced. Alder will be planted along a section of the creek. New action entered by R. Mazaika 5/11/2016 based on input from E. Taylor
Snake River Steelhead	South Fork Clearwater River	SCS2	Crooked River	1.1: Habitat Quantity: Anthropogenic Barriers	2016 Fivemile Creek Culvert and Barrier Removal	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	0.5 mile	Fivemilde Creek has an undersized culvert at Road 233, which is 0.1 miles upstream from the mouth. A grate to keep fish in Fivemile Pond, which is directly downstream of the culvert is also a barrier. The grate will be removed and the culvert replaced in 2016. A culvert that is about 0.75 miles above the Road 233 culvert is also a partial barrier. This culvert will likely be removed along with a temporary road after 2018. New action entered by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	South Fork Clearwater River	SCS8	Red River	1.1: Habitat Quantity: Anthropogenic Barriers	2018 Dawson Creek Culvert Replacements (2)	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of babitable range	5 miles	Design in 2017. Expected implementation 2018. New action entered by R. Mazaika
Snake River Steelhead	South Fork Clearwater River	SCS1	American River	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Big Elk Creek Culvert replacement	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitatic range 1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	10 miles	2016 EP LF: Existing double incised culverts are a partial barrier to steelhead. Project will replace with single, arched culvertMAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS1 SCS6	American River Misc Clearwater Tribs	4.1: Riparian Condition: Riparian Vegetation 6.2: Channel Structure and Form: Instream Structural	2016 Elk Creek Vegetation Planting 2018 Leggett Creek stream restoration project	47. Plant Vegetation 30. Realign, Connect, and/or Create Channel	1403. # of riparian acres treated	0.25 mile 0.33 miles	Removing historic mining tailing piles, adding sinuosity, improving complexity, planning,
				Complexity					Added during 2016 EP LF, along with LF6.2. MAH6.7.16
Snake River Steelhead	South Fork Clearwater River	SCS4	Meadow Creek	4.1: Riparian Condition: Riparian Vegetation	2012: McComas Meadows vegetation planting and weed treatment	47. Plant Vegetation	1627. # of riparian wetland miles treated		
Snake River Steelhead	South Fork Clearwater River	SCS4	Meadow Creek	4.1: Riparian Condition: Riparian Vegetation 4.1: Riparian Condition: Riparian Vegetation	2013: McComas Meadows vegetation planting and weed treatment 2014:McComas Meadows vegetation planting and weed treatment	47. Plant Vegetation 47. Plant Vegetation	1627. # of riparian wetland miles treated		
Snake River Steelhead	South Fork Clearwater River	SCS4	Meadow Creek	4.1: Riparian Condition: Riparian Vegetation	2015:McComas Meadows vegetation planting and weed treatment	47. Plant Vegetation	1627. # of riparian wetland miles treated		
Snake River Steelhead	South Fork Clearwater River	SCS4 SCS4	Meadow Creek Meadow Creek	7.2: Sediment Conditions: Increased Sediment Quantity 7.2: Sediment Conditions: Increased Sediment Quantity	2012:Meadow Face III road decommissioning 2014:Meadow Face IV road decommissioning	33. Decommission Road/Relocate Road 33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland area 1395. # of miles of road improved or decommissioned in an upland area	a a	
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Snake River Steelhead	South Fork Clearwater River	SCS4	Meadow Creek	8.1: Water Quality: Temperature	2012: McComas Meadows vegetation planting	47. Plant Vegetation	1406. # of riparian miles treated		
Snake River Steelhead	South Fork Clearwater River	SCS4	Meadow Creek	8.1: Water Quality: Temperature	2013: McComas Meadows vegetation planting 2014: McComas Meadows vegetation planting	47. Plant Vegetation	1627. # of riparian wetland miles treated		
Snake River Steelhead	South Fork Clearwater River	SCS4	Meadow Creek	8.1: Water Quality: Temperature	2015: McComas Meadows vegetation planting	47. Plant Vegetation	1627. # of riparian wetland miles treated		
Snake River Steelhead	South Fork Clearwater River	SCS2	Crooked River	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions 5.2: Peripheral and Transitional Habitats: Floodolain	Crooked River Option 2			0.5 stream miles treated	added by NPT on 7.2.16 added by NPT 7.2.16
Snake River Stoolhood	South Fork Clearwater Piver	5052	Crooked River	Condition 6.2: Channel Structure and Form: Instroam Structural	Crocked River Ontion 2	 		0.5 stream miles treated	Added as ner NPT on 7 20 16
Shake hive Steemeda	South Fork creditwater kiver	3632		Complexity				0.5 Sciedini nimes credieu	Pouco us per INF F 0117-20-10

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Selway River	SRS1	Lower Selway River	1.1: Habitat Quantity: Anthropogenic Barriers	2016 Nineteenmile Bridge replacement	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1 mile	Added during 2016 EP LF, partial barrier.
Snake River Steelhead	Selway River	SRS3	O'Hara Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2017 O'Hara Creek Road Improvement	38. Improve Road	1394. # of miles of road improved or decommissioned in a riparian area	2 miles	Expected completion date 2017. Miles are estimated. 2 road miles, 5 stream miles. Road analysis not complete. Action edited by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Selway River	SRS4	Wilderness Area (Moose Creek, Upper Selway River, etc.)	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Backcountry Invasive weed treatment - Wilderness Area (Moose Creek, Upper Selway River)	22. Maintain Vegetation	1734. # of acres maintained	24 miles (100 acres) (approx)	Expected completion in 2018. Action edited by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Selway River	SRS1	Lower Selway River	7.2: Sediment Conditions: Increased Sediment Quantity	2016 Nineteenmile Bridge replacement	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1 mile	Contract under development. Replaces Failing Bridge bottomless arch culvert. Prevents failure and future fish passage issues. Action edited by R. Mazaika 5/11/206 based on input from E. Taylor.
Snake River Steelhead	Selway River	SRS2	Meadow Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2018 Horse and Goddard Creek Road Decommissioning	33. Decommission Road/Relocate Road	1394. # of miles of road improved or decommissioned in a riparian area	12 miles	Expected completion date 2018. Miles are estimated. 12 streammiles total, 10 road miles. Road analysis not complete. Action edited by R. Mazaika 5/11/2016 based on input from E. Taylor.

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	1.1: Habitat Quantity: Anthropogenic Barriers	2016 Sweetwater Creek bridge replacement	29. Increase Aquatic and/or Floodplain Complexity		6 miles	BPA project #1999-017-00; Expected completion in 2016; designed to handle 100 year
Snake River Steelhead	mainstem Clearwater River lower mainstem	LCS5	Potlatch River Basin	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Big Meadow Creek 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	6 miles	flood Action will open 6 mi steelhead spawning and rearing habitat at all flows; full barrier. Anticipated completion 2017
Snake River Steelhead	Clearwater River lower mainstem	LCS5	Potlatch River Basin	1.1: Habitat Quantity: Anthropogenic Barriers	2018 Big Bear Falls modification	85. Remove/Breach Fish Passage Barrier		40-60 miles	Anticipated completion 2018. A partial passage barrier from waterfall due to anthropogenic impact on hydro flows. Update RM 5/10/2016 based on input from T. Illschmid
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	1.1: Habitat Quantity: Anthropogenic Barriers	2016-27 Upper Big Meadows Creek culvert replacements	85. Remove/Breach Fish Passage Barrier		3 miles	Replace 3 culverts; Partial barriers. Expected completion by 2017. Updated RM
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	4.1: Riparian Condition: Riparian Vegetation	2018 Two Mile Meadow 2 riparian treatment	47. Plant Vegetation	1403. # of riparian acres treated	2.29 miles (11.1 acres)	5/10/2016 per input from T. Ulschmid. Estimated completion 2018; 2.29 miles of riparian treatment
Snake River Steelhead	mainstem Clearwater River lower mainstom	LCS5	Potlatch River Basin	4.1: Riparian Condition: Riparian Vegetation	2018 Dammerman Meadows - Phase I riparian treatment			0.75 miles	Estimated completion 2018. Updated by RM 5/10/2016 per input from T. Ulschmid.
Snake River Steelhead	Clearwater River lower mainstem	LCS5	Potlatch River Basin	4.1: Riparian Condition: Riparian Vegetation	2016 Mason Meadow Riparian Treatment	47. Plant Vegetation	1403. # of riparian acres treated	0.37 mile (1.9 acres)	0.37 miles; Expected completion 2016
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	4.1: Riparian Condition: Riparian Vegetation	2018 Big Meadow Creek Riparian Treament	47. Plant Vegetation		1.5 miles (12 acres)	1.5 miles; Expected completion 2018-2019. Updated by RM 5/10/2016 per input from T.
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	6.1: Channel Structure and Form: Bed and Channel Form	2016 Mason Floodplain reconnect	180. Enhance Floodplain/Remove, Modify, Breach Dike	1520. # of acres of freshwater wetland habitat treated	0.37 miles	reconnect 0.37 miles; Expected completion 2016; ***also reported under LF 5.2
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	6.1: Channel Structure and Form: Bed and Channel Form	2018 Big Meadow Creek Channel Improvement	30. Realign, Connect, and/or Create Channel		1.5 miles	Expected completion 2017
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	6.2: Channel Structure and Form: Instream Structural	2018 Two Mile meadow	29. Increase Aquatic and/or Floodplain Complexity		2.29 miles	
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	6.2: Channel Structure and Form: Instream Structural	2018 Big Meadow Creek Instream Improvement	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.5 miles	Expected completion 2017
Snake River Steelhead	Mainstem Clearwater River lower mainstem	LCS5	Potlatch River Basin	9.2: Water Quantity: Decreased Water Quantity	2018 Spring Valley Creek Reservoir Flow augmentation	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	12 miles (0.25 cfs during low flow)	Expand reservoir capacity for flow augmentation, slow-water release to improve/provide rearing habitat; approximately 0.25-0.5cfs. Expected to be permanent based on observations. per T. Ulschmid. Entered by RM 5/10/2016
Snake River Steelhead	Clearwater River lower mainstem	LCS4	Lapwai Creek Basin	6.1: Channel Structure and Form: Bed and Channel Form	2018 Sweetwater Creek SC-03a			0.5 miles	Expected completion 2018. 0.5 miles of stream. No work element and metric provided. Edits to the Action Description made by R. Mazaika 5/11/2016 based on input from E.
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	6.2: Channel Structure and Form: Instream Structural	2017 East Fork Potlatch River LWD - Post Assisted Log Structure	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.5 miles	Expected completion 2017 per T. Ulschmid. Entered by RM 5/10/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	2017 Lapwai Creek Culdesac Canyon Reach 14a	47. Plant Vegetation	1403. # of riparian acres treated	0.5 miles (4 acres)	Expected completion 2017. 0.5 miles of riparian treatment. Action added by RM on EXAMPLE Action added by RM on Example Taylor
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	2018 Sweetwater Creek SC-03a	47. Plant Vegetation	1403. # of riparian acres treated	0.5 miles (11.7 acres)	Expected completion 2018. 0.5 miles of riparian treatment. Action added by R. Mazaika
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	6.1: Channel Structure and Form: Bed and Channel Form	2017 Lapwai Creek Culdesac Canyon Reach 14a	30. Realign, Connect, and/or Create Channel	1753. # of miles of main channel treated in the freshwater non-tidal	0.5 miles	Expected completion 2017. 0.5 miles of stream, adding meander. Action added by R.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	6.2: Channel Structure and Form: Instream Structural	2017 Lapwai Creek Culdesac Canyon Reach 14a	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.5 miles	Expected completion 2017. 0.5 miles of stream, adding meander. Action added by R. Mazaika 5/11/2016 based on joint from F. Taylor.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	6.2: Channel Structure and Form: Instream Structural	2018 Sweetwater Creek SC-03a	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.5 mile	Expected completion 2018. 0.5 miles of stream. Action added by R. Mazaika on 5/11/26 based on input from E. Taylor
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Lapwai Creek Culdesac Canyon Reach 14a	47. Plant Vegetation	1403. # of riparian acres treated	0.5 miles (4 acres)	Expected completion 2017. 0.5 miles of stream. No roads, but small sediment uplift
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	2018 Sweetwater Creek SC-03a	47. Plant Vegetation	1403. # of riparian acres treated	0.5 miles (11.7 acres)	Expected. Action added by R. Mazaika 5/11/2016 based on input from E. Taylor. Expected completion 2018. 0.5 miles of stream. Action added by R. Mazaika 5/11/2016
Snake River Steelhead	Mainstem Clearwater River lower	LCS4	Lapwai Creek Basin	8.1: Water Quality: Temperature	2017 Lapwai Creek Culdesac Canyon Reach 14a			0.5 miles	based on input from E. Taylor. Expected completion 2017. 0.5 miles of stream. No work element or metric provided.
Snake River Steelhead	mainstem Clearwater River lower	LCS4	Lapwai Creek Basin	8.1: Water Quality: Temperature	2017 Sweetwater Creek SC-03a			0.5 miles	Action added by R. Mazaika 5/11/201 based on input from E. Taylor. Expected completion 2018. 0.5 miles of stream. No work element or metric provided.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	8.1: Water Quality: Temperature	Lewiston Orchards Pilot Well (LOP)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	4 cfs (22 miles)	Action added by R. Mazaika 5/11/2016 based on input from E. Taylor. Added during 2016 EP LF. For calculating uplift, the EP used the percent uplift from the
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	9.2: Water Quantity: Decreased Water Quantity	Lewiston Orchards Pilot Well (LOP)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	4 cfs (22 miles)	Added during 2016 EP LF -MAH6.7.16
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	4.1: Riparian Condition: Riparian Vegetation	2017 Nora Creek Meadow	47. Plant Vegetation	acquisition in cubic-teet per second (CIS) 1406. # of riparian miles treated	0.3 miles	Added during 2016 EP LF -MAH6.7.16
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	5.2: Peripheral and Transitional Habitats: Floodplain	2018 Two Mile Meadow 2 riparian treatment			2.29 miles	
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	5.2: Peripheral and Transitional Habitats: Floodplain	2018 Dammerman Meadows - Phase I riparian treatment			0.75 mile	
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	Condition 5.2: Peripheral and Transitional Habitats: Floodplain	2016 Mason Meadow Riparian Treatment			0.37 mile	
Snake River Steelhead	mainstem Clearwater River lower	LCS5	Potlatch River Basin	Condition 5.2: Peripheral and Transitional Habitats: Floodplain	2018 Big Meadow Creek Riparian Treament			1.5 miles	
Snake River Steelhead	mainstem Clearwater River lower	LCS5	Potlatch River Basin	Condition 5.2: Peripheral and Transitional Habitats: Floodplain	2017 Nora Creek Meadow			0.3 mile	
Snake River Steelhead	Mainstem Clearwater River lower	LCS5	Potlatch River Basin	6.1: Channel Structure and Form: Bed and Channel Form	2016 East Fork LWD project	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	0.25 mile	
Snake River Steelhead	Mainstem Clearwater River lower	LCS5	Potlatch River Basin	6.1: Channel Structure and Form: Bed and Channel Form	2018 Dammerman Meadows - Phase I riparian treatment			0.75 mile	
Snake River Steelhead	mainstem Clearwater River lower	LCS5	Potlatch River Basin	6.1: Channel Structure and Form: Bed and Channel Form	2018 Two Mile Meadow riparian			2.29 miles	
Snake River Steelhead	mainstem Clearwater River lower	LCS5	Potlatch River Basin	6.1: Channel Structure and Form: Bed and Channel Form	2017 Nora Creek meadow			0.3 mile	
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	6.2: Channel Structure and Form: Instream Structural	2017 Nora Creek meadow			0.3 mile	
Snake River Steelhead	Clearwater River lower	LCS5	Potlatch River Basin	Complexity 6.2: Channel Structure and Form: Instream Structural	2018 Dammerman Meadows - Phase I riparian treatment			0.75 miles	
Snake River Steelhead	mainstem Clearwater River lower	LCS5	Potlatch River Basin	Complexity 6.2: Channel Structure and Form: Instream Structural	2016 Mason Floodplain reconnect			0.37 mile	
Snake River Steelhead	mainstem Clearwater River lower	LCS5	Potlatch River Basin	Complexity 8.1: Water Quality: Temperature	2018 Spring Valley Creek Reservoir Flow augmentation			0.25 cfs average (12 miles)	
Snake River Steelhead	mainstem Clearwater River lower	LCS4	Lapwai Creek Basin	5.2: Peripheral and Transitional Habitats: Floodplain	Lapwai Creek Culdesac Canyon Reach 14A Remeander (2017)	180. Enhance Floodplain/Remove, Modify, Breach Dike		0.5 stream miles treated	added as per Expert Panel lookforward
Snake River Steelhead	mainstem Clearwater River lower	LCS4	Lapwai Creek Basin	Condition 5.2: Peripheral and Transitional Habitats: Floodplain	Sweetwater Creek SC-03A (2018)	180. Enhance Floodplain/Remove, Modify, Breach Dike		0.5 stream miles treated	added as per Expert Panel lookforward
Snake River Steelhead	mainstem Clearwater River lower	LCS4	Lapwai Creek Basin	Condition 4.1: Riparian Condition: Riparian Vegetation	Mission Creek Culvert to Bridge (Riparian Treatment)	47. Plant Vegetation	1406. # of riparian miles treated	0.5 miles of stream that will be shaped	BPA project #2002-07-00; Expected completion 2017. Planting riparian vegetation
	mainstem			. •				and planted to cottonwood and coyote willow.	along 250 feet of both banks. Project is a component of the Mission Creek Bridge replacement. This is an SRBA funded project through Idaho OSC #1506. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower mainstem	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	Sweetwater Exclusion Fence #12-153	40. Install Fence	1488. # of river miles treated	0.15 miles hawthorne and cottonwood site will be fenced.	BPA project #2002-07-00; Expected completion in 2018; This is an SRBA funded project through Idaho OSC #1209. Comment entered RM 8/2/2016
Snake River Steelhead	Clearwater River lower mainstem	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	Site 11-128 Water Development	40. Install Fence	1488. # of river miles treated	Off channel water for livestock and fencing 0.11miles of Mission Creek	BPA project 2002-070-00; expected completion 2016. Under BPA contract 72618. WE Q. Project provides off channel water for livestock, protection 600 feet of Mission
L									Creek. Comment entered RM 8/2/2016.

5611	Deputation	Codo	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Matria	Metric Dian Value	Dian Commont
ESU	Population	Loca	Assessment Unit	2012 Standardized Limiting Factor		Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Clearwater River lower mainstem	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	South Tom Beall Buffer Project Phase V	47. Plant Vegetation	1406. # of riparian miles treated	1.25 miles of riparian planting to address an area of heavy sediment	BPA project 2002-070-00; expected completion 2016. Under BPA contract 72618. WE S. Planting project along 1.25 miles of stream. Comment entered BM 8/2/2016
	indiristent.							inputs that lacks in riparian shade.	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	Sweetwater Creek Fence at Site 16-1847	40. Install Fence	1488. # of river miles treated	Currently cattle have access to the	BPA project 2002-070-00; expected completion 2016. Under BPA contract 72618. WE
	mainstem							entire stream reach. Action will fence	X. Fence installed along Sweetwater Creek. Comment entered RM 8/2/2016.
		_						0.19 miles of stream.	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	Sweetwater Fence Spring Exclosure	40. Install Fence	1488. # of river miles treated	0.02 miles excluded	BPA project 2002-070-00; expected completion 2018 Fence installed along Sweetwater
Snake River Steelhead	Clearwater River lower	1054	Lanwai Creek Basin	4.1: Rinarian Condition: Rinarian Vegetation	Sweetwater Fence Fors	40 Install Fence	1/88 # of river miles treated	0.19 miles fenced	Creek. Comment entered RM 8/2/2016. BPA project 2002-070-00: expected completion 2017 Fence installed along Sweetwater
Shake River Steelileau	mainstem	1034	Lapwar Creek Basin	4.1. Ripanan Condition. Ripanan Vegetation	Sweetwater relice rols	40. Instan Fence	1468. # Of fiver filles treated	0.19 miles fenceu	Creek. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	Windmill Road Phase I	47. Plant Vegetation	1406. # of riparian miles treated	Plant 0.11 miles treated.	BPA project 2002-070-00; expected completion 2018. Planting project along 600 feet of
	mainstem								stream. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	4.1: Riparian Condition: Riparian Vegetation	Tom Beall Reconnect Phase II	47. Plant Vegetation	1406. # of riparian miles treated	Planting along 0.05 miles of stream.	BPA project 2002-070-00; expected completion 2016. Under BPA contract 72618. WE
Enako River Steelbood	Mainstem Cleanwater Biyer Jower	1054	Lanuai Crook Basin	4.1. Dispring Condition: Dispring Versitation	Tom Reall Reconnect Diace L	47 Plant Veretation	1406 # of rippring miles treated	Plant 0.05 miles	T. Planting project along 300 feet of stream.
Shake River Steelileau	mainstem	LC34	Lapwar Creek Basin	4.1. Riparian Condition. Riparian Vegetation	Tom Bean Reconnect Phase I	47. Plant Vegetation	1406. # Of fiparial filles treated	Plant 0.05 miles.	T. Planting project along 300 feet of stream. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	6.1: Channel Structure and Form: Bed and Channel Form	Webb Creek Floodplain #13-1689	180. Enhance Floodplain/Remove, Modify, Breach Dike	1681. # of miles of dike removed or modified by Full removal in the	0.3	Project was included but weighted at "0" because it does not directly affect bed and
	mainstem						Riparian zone		channel form and any benefits will be realized over time. Comment entered RM
									8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	6.2: Channel Structure and Form: Instream Structural	Mission Creek Bank Protection	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	Log revetment and toe rock to create	BPA project 2002-070-00; expected completion 2018. Log revetment, toe rock
Snako Rivor Stoolboad	Clearwater River Jower	1054	Lanwai Crook Pacin	Complexity	Mission Crack Bridge Denlacement #15 1586	EE Eracian and Sodimentation Control		pool nabitat in 0.05 miles.	placement. Comment entered RM 8/2/2016. RRA project #2002.07.00: Expected completion 2017. Project protects streambank and
Shake River Steelileau	mainstem	LC34	Lapwar Creek Basin	7.2. Sediment Conditions. Increased Sediment Quantity	Mission creek bruge keplacement #15-1580	55. Erosion and Sedimentation Control		eroding so the treatment should	reduces eroson along 250 LF. Project is a component of the Mission Creek Bridge
								eliminate fine sediment. Benefits are	replacement. This is an SRBA funded project through Idaho OSC #1506. Comments
								weighted based on estimated benefit of	entered RM 8/2/2016.
								the treatment in the area treated	
								without a metric association.	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Sweetwater Exclusion #12-153	55. Erosion and Sedimentation Control		A water development that cattle trail	BPA project #2002-07-00; Expected completion in 2018; This is an SRBA funded project
	mainstem							fencing project should eliminate side	through Idano OSC #1209. Comments entered RM 8/2/2016.
								trail erosion. Benefits are weighted	
								based on estimated benefit of the	
								treatment in the area treated without a	
								metric association.	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Webb Creek Enhancement #12-154	55. Erosion and Sedimentation Control		Cattle are trailing along the water	BPA project #2002-07-00; Expected completion in 2018; This is an SRBA funded project
	mainstem							development that once fenced will	through Idaho OSC #1209. Comment entered RM 8/2/2016.
								weighted based on estimated benefit of	r
								the treatment in the area treated	
								without a metric association.	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Flat Iron Bridge Replacement #12-157	55. Erosion and Sedimentation Control		Bridge replacement should almost	BPA project #2002-07-00; Expected completion in 2017; This is an SRBA funded project
	mainstem							completely downstream erosion.	through Idaho OSC #1209. Comment entered RM 8/2/2016.
								Benefits are weighted based on	
								estimated benefit of the treatment in	
								accoriation	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Road Frosion Reduction #12-158	55. Frosion and Sedimentation Control		Draw that feeds Sweetwater Creek has	BPA project #2002-07-00: Expected completion 2018. This project reduces road surface
	mainstem							a road adjacent. Water bars will be	erosion which is delivered to Sweetwater Creek along 150 LF. This is an SRBA funded
								implemented to reduce surface erosion	project through Idaho OSC #1209. Comment entered RM 8/2/2016.
								Benefits are weighted based on	
								estimated benefit of the treatment in	
								the area treated without a metric	
Snake River Steelhead	Clearwater River lower	1054	Lanwai Creek Basin	7 2: Sediment Conditions: Increased Sediment Quantity	Webb Creek Floodplain #13-1689	55 Frosion and Sedimentation Control		association.	BPA project #2002-07-00: Expected completion 2017 This project reduces road surface
Shake hiver steenedd	mainstem	2001	Lupital creek basin	ner cosci scament quantity		ss. crosion and scamentation control		road adjacent in the floodplain. The	erosion which is delivered to Webb Creek along 2300 LF. This is an SRBA funded project
								road is eroding and is rebuilt on an	through Idaho OSC #1308. Comments entered RM 8/2/2016.
								annual basis, so its contributing a	
								significant sediment load. Benefits are	
								weighted based on estimated benefit of	Ĩ
								the treatment in the area treated	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Sweetwater Creek Sediment Reduction #15-1683	55. Erosion and Sedimentation Control		Action will eliminate an old harvest road	BPA project 2002-070-00; expected completion 2016. Project reduces road related
	mainstem							with failing slopes and no drainage	erosion. Project is partially funded by SRBA #1308. BPA funds staff time and
								features. The action will reshape the	engineering. Comments entered RM 8/2/2016.
								road, develop water features, and re-	
								cap the road.	
snake kiver Steelhead	mainstem	LCS4	Lapwai Creek Basin	7.2. Seament Conditions: increased Sediment Quantity	Reduce Sediment and Improve Hydrology	55. Erosion and Sedimentation Control		nractices. Each of three sites will be	P Project reduces erosion and decreases water surface runoff. Common optioned PM
	manatem	1						individually treated in 2016. 2017. and	8/2/2016.
								2018. Benefits are weighted based on	
		1						estimated benefit of the treatment in	
								the area treated without a metric	
Spake Pirra Ch. II.	Cleanwater Divers In	1054	Lanuni Crook Davia	7.2) Codiment Conditions Incomed 5. 19. 10. 17	South Tom Doall Duffer Droint Droin V	EE Freedon and Sedimentation Control		association.	DDA project 2002 070 00 expected constants and the 2016 of the 2014 of the 2014
Snake Kiver Steelhead	clearwater River lower	LCS4	Lapwai Creek Basin	1.2. seament conditions: Increased Sediment Quantity	South fom Bean Burrer Project Phase V	55. crosion and Sedimentation Control		in agriculture. The area will be ferred	S Planting project 2002-070-00; expected completion 2016. Under BPA contract 72618. WE
	mullistem	1						and a buffer planted thus reducing side	5. Franking project along 1.25 miles of stredill. Comment entered Kivi 6/2/2016.
								slope erosion. Project is located 5 miles	
								upstream of fish use.	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Install Fence at Site 16-1847	55. Erosion and Sedimentation Control		Action will eliminate cattle access to the	BPA project 2002-070-00; expected completion 2016. Under BPA contract 72618. WE
a 1 a:	mainstem	1.000						stream bank.	X. Fence installed along Sweetwater Creek. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Sweetwater Fence	55. Erosion and Sedimentation Control		1	BPA project 2002-070-00; expected completion 2018 Fence installed along Sweetwater
Snake River Stoolbood	Clearwater River Jower	1054	Lanwai Creek Bacin	7 2' Sediment Conditions: Increased Sodimont Quantity	Mission Creek Bank Protection	55 Erosion and Sedimentation Control	1	1	BPA project 2002-070-00: expected completion 2018. Los revotment teo reck
Shake niver steemedu	mainstem		capital of Cerebusili	ner seament conditions, mereased seament qualitity		ss. croson and scumentation control		1	placement. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Gully Erosion Treatment	55. Erosion and Sedimentation Control	1	Action will install gully erosion features	BPA project 2002-070-00; expected completion 2018. Gully Erosion treatment.
	mainstem	1						along cropland in Sweetwater Creek.	Comment entered RM 8/2/2016.
								1	
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	7.2: Sediment Conditions: Increased Sediment Quantity	Mission Creek Sediment Reduction #13-1688	55. Erosion and Sedimentation Control		I	BPA project 2002-070-00; expected completion 2016. Project reduces road related
	mainstem	1						1	erosion. Project is partially funded by SRBA #1308. BPA funds staff time and
Snake River Stoolbood	Clearwater River Jower	1054	Lanwai Creek Bacin	7 2: Sediment Conditions: Increased Sediment Quantity	Sweetwater Creek Sediment reduction # 12 1697	55 Frosion and Sedimentation Control	1	1	engineering. Comment entered RM 8/2/2016. BPA project 2002-070-00: expected completion 2016. Broject reduces read related
Shake niver Steeliledd	mainstem	1034	Lupwai Cieek basili	seament conditions, increased sediment Qualitity	Sweetwater Creek Sediment reduction # 13-1067	55. Erosion and Sedmentation Colliton		1	erosion. Project is partially funded by SRBA #1308. BPA funds staff time and
								1	engineering. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	9.2: Water Quantity: Decreased Water Quantity	Lapwai Reforestation #15-1690			Reforestation of cropland will help	BPA project 2002-070-00; expected completion 2016. Project converts 30 acres of
	mainstem							reduce peak flows/discharge. No	cropand to forestlands, providing upland hydrology improvements. Project is partially
								benefits from the action will be	funded by SRBA #1308. BPA funds staff time and engineering. Comment entered RM
		1				1	1	assigned at this time.	8/2/2010.

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Clearwater River lower	LCS1	Big Canyon Creek	4.1: Riparian Condition: Riparian Vegetation	Little Canyon Creek Project # 13-1686	47. Plant Vegetation	1403. # of riparian acres treated	Action will treat riparian and mid-slope	Expected completion 2017. This project reduces road surface erosion which is delivered
	mainstem							vegetation.	to Big Canyon Creek along 500 LF. This is an SRBA funded project through Idaho OSC
									#1308. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS1	Big Canyon Creek	7.2: Sediment Conditions: Increased Sediment Quantity	Little Canyon Creek Project # 13-1686	55. Erosion and Sedimentation Control	1404. # of upland acres treated	This is a road treatment project.	Expected completion 2017. This project reduces road surface erosion which is delivered
	mainstem								to Big Canyon Creek along 500 LF. This is an SRBA funded project through Idaho OSC
									#1308. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS1	Big Canyon Creek	6.2: Channel Structure and Form: Instream Structural	Streambank Erosion # 13-1686	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	Action will treat mid slope area with	Expected completion 2017. This project reduces road surface erosion which is delivered
	mainstem			Complexity				upland plantings that are anticipated to	to Big Canyon Creek along 500 LF. This is an SRBA funded project through Idaho OSC
								improve conditions instream over time.	#1308. Comment entered RM 8/2/2016.
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	1.1: Habitat Quantity: Anthropogenic Barriers	Mission Creek Bridge Replacement #15-1586 (2016)	85. Remove/Breach Fish Passage Barrier		11 miles treated	
	mainstem								
Snake River Steelhead	Clearwater River lower	LCS4	Lapwai Creek Basin	1.1: Habitat Quantity: Anthropogenic Barriers	Flat Iron Bridge Replacment #12-157 (2018, SRBA funded project)	85. Remove/Breach Fish Passage Barrier		7 miles treated	A downstream barrier remains, resulting in a 0% improvement factor
	mainstem								

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Lolo Creek	LOS6	Upper Lolo Creek	4.1: Riparian Condition: Riparian Vegetation	Collette Mine Restoration Phase II	47. Plant Vegetation	1627. # of riparian wetland miles treated	0.5 miles	Expected completion date 2017. Stream recreation associated with this project.
									Action edited by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Lolo Creek	LOS1	Eldorado Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Lolo first 50 decommissioning	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland	4 miles	Added during 2016 EP LF. Project is significantly upstream from known steelhead use.
							area		Steelhead only present for first 1-mile of LOS1, due to a barrierMAH6.7.2016
Snake River Steelhead	Lolo Creek	LOS6	Upper Lolo Creek	7.2: Sediment Conditions: Increased Sediment Quantity	Lolo First 50 Decomissioning (2016)	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland	7	added as per 2016 lookforward
							area		
Snake River Steelhead	Lolo Creek	LOS6	Upper Lolo Creek	7.2: Sediment Conditions: Increased Sediment Quantity	Lolo First 50 Decomissioning (2018)	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland	11	added as per 2016 lookforward
							area	1	

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Lochsa River	LAS1A	Upper Lochsa Tributaries - Postoffice to Parachute Creeks	e 6.2: Channel Structure and Form: Instream Structural Complexity	2017 Fish Habitat Structure Mitigation - Wa' awlamnime	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	12 miles	Install approximately 9 LWD structures in 12 miles of Wa'awlamnime Creek. Expected completion date 2017. Action edited by R. Mazaika 5/11/2016 based on input from E.
Snake River Steelhead	Lochsa River	LAS1A	Upper Lochsa Tributaries - Postoffice	6.2: Channel Structure and Form: Instream Structural	2018 Fish Habitat Structure Mitigation- Imnamatnoon to Postoffice	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	15 miles	Taylor. Number of structures still under development, but approximately 15 mile of stream will
Snake River Steelhead	Lochsa River	LAS1A	to Parachute Creeks Upper Lochsa Tributaries - Postoffice	Complexity 7.2: Sediment Conditions: Increased Sediment Quantity	2016 Invasive Species Treatment Parachute, Badger, Wendover,	197. Maintain/Remove Vegetation	1734. # of acres maintained	70 acres	be treated. Expected completion 2016. Action edited by R. Mazaika 5/11/2016 based on input from
Snake River Steelhead	Lochsa River	LAS1A	Upper Lochsa Tributaries - Postoffice	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Treat invasive species, protect/restore native plant communities	197. Maintain/Remove Vegetation	1734. # of acres maintained	70 acres	E. Taylor. Expected completion 2017. Action edited by R. Mazaika 5/11/2016 based on input from
Spake River Steelhead	Lochsa River	1 4514	to Parachute Creeks	7.2: Sadimant Conditions: Increased Sadimant Quantity	Parachute, Badger, Wendover, Imnamatnoon, Wa' awlamnime	197 Maintain/Pomovo Vogetation	1724 # of across maintained	70 2000	E. Taylor. Expected completion 2018 Action edited by P. Marsika 5 (11/2016 based on input from
Shake River Sceeneau		LASIA	to Parachute Creeks	7.2. Sedment Conditions. Increased Sediment Quantity	Parachute, Badger, Wendover, Imnamatnoon, Wa' awlamnime	197. Mantany Kenove Vegetation	1734. # Oracles maintained	70 acres	E. Taylor.
Snake River Steelhead	Lochsa River	LAS1A	Upper Lochsa Tributaries - Postoffice to Parachute Creeks	7.2: Sediment Conditions: Increased Sediment Quantity	2016-18 Native shrub planting in riparian areas on decommissioned roads	47. Plant Vegetation	1403. # of riparian acres treated	75 acres	Project may be phased between 2016-2018 with 75 total acres completed by 2018.
Snake River Steelhead	Lochsa River	LAS1A	Upper Lochsa Tributaries - Postoffice to Parachute Creeks	8.1: Water Quality: Temperature	2016-18 Native shrub planting in riparian areas on decommissioned roads	47. Plant Vegetation		75 acres	Project will be phased between 2016-2018 with 75 total acres completed by 2018. Action edited by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead Snake River Steelhead	Lochsa River Lochsa River	LAS3A LAS2A	Crooked Fork Lower Colt Killed Creek	1.1: Habitat Quantity: Anthropogenic Barriers 7.2: Sediment Conditions: Increased Sediment Quantity	2016 Powell Creek culvert replacement 2016-18 Treat invasive species, protect/restore native plant communities,	184. Install Fish Passage Structure 197. Maintain/Remove Vegetation		1 mile 150 acres	Expected completion 2018. Panel estimated 1.5 miles of roads in proximity of riparian
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	7.2: Sediment Conditions: Increased Sediment Quantity	Colt killed watershed 2016-2018 Treat invasive species, protect/restore native plant communities	197. Maintain/Remove Vegetation	1734. # of acres maintained	3 miles (150 acres)	zones affected. Three years, 150 acres cumulative. 2016 EP LF estimated 3 road miles in riparian zone
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	7.2: Sediment Conditions: Increased Sediment Quantity	2016-18 Shrub planting on previously decommissioned roads (Pack/Twin)	47. Plant Vegetation		1 mile (100 acres)	may be affectedMAH6.8.16 Expected completion: 2018
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	7.2: Sediment Conditions: Increased Sediment Quantity	2017-18 Brushy Fork Culverts (up to 4)	186. Operate and Maintain Habitat/Passage/Structure		0.75 miles	Replacing undersized culverts to reduce sediment input and potential risk of failure. Expected completion 2018. Two of the four culverts have been replaced. Two additional culverts have been designed and will be replaced in 2017. The final culvert replacement relies on the WPT land purchase in the Upper Lochsa. Comments entered hue. Maximum 5 (11/2016 Second on joint) from 5 Taylor.
Snake River Steelhead	Lochsa River	LAS3B	Upper Crooked Fork/Boulder Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2016 Treat invasive species, protect/restore native plant communities	197. Maintain/Remove Vegetation	1734. # of acres maintained	50 acres	expected completion: 2016
Snake River Steelhead	Lochsa River	LAS3B	Upper Crooked Fork/Boulder Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Treat invasive species, protect/restore native plant communities	197. Maintain/Remove Vegetation	1734. # of acres maintained	50 acres	expected completion: 2017
Snake River Steelhead	Lochsa River	LAS3B LAS6	Lochsa Mainstem	7.2: Sediment Conditions: Increased Sediment Quantity 7.2: Sediment Conditions: Increased Sediment Quantity	2018 Treat invasive species, protect/restore native plant communities 2016 Treat invasive species, protect/restore native plant communities	197. Maintain/Remove Vegetation	1734. # of acres maintained 1734. # of acres maintained	0.5 mile (50 acres)	Expected completion 2018
Snake River Steelhead	Lochsa River	LAS6	Lochsa Mainstem	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Treat invasive species, protect/restore native plant communities	197. Maintain/Remove Vegetation	1734. # of acres maintained	0.5 mile (50 acres)	Expected completion 2017.
Snake River Steelhead	Lochsa River	LAS6	Lochsa Mainstem	7.2: Sediment Conditions: Increased Sediment Quantity	2018 Treat invasive species, protect/restore native plant communities	197. Maintain/Remove Vegetation	1734. # of acres maintained	0.5 mile (50 acres)	Expected completion 2018.
Shake River Steemeau		LA37	Pete King Creek)	1.1. Habitat Quantity. Anthropogenic barriers	2010 West Pork Deauman Curvert	104. Install Fish Passage Structure	likely limit of habitable range	5 miles	Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Lochsa River	LAS7	Lower Lochsa (Deadman Creek to Pete King Creek)	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Upper Pete King Creek Culvert	184. Install Fish Passage Structure	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1.5 miles	Expected completion 2017. Replace Pete King Culvert with full AOP structure. Edits entered by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Lochsa River	LAS8	Middle Lochsa North Face tributarie	s -7.2: Sediment Conditions: Increased Sediment Quantity	2016-2018 Invasive species treatment on previously decommissioned roads	22. Maintain Vegetation	1734. # of acres maintained	0.25 miles (150 acres over 3 years)	Three years, 50 acres per year
Snake River Steelhead	Lochsa River	LAS8	Middle Lochsa North Face tributarie Weir to Tick Creeks	s -7.2: Sediment Conditions: Increased Sediment Quantity	2017 107 Road Improvement/Relocation	38. Improve Road	1395. # of miles of road improved or decommissioned in an upland area	0.25 miles	Expected completion 2017, improvements are in combination with the relocation of 107 Road Relocation Project. Edits entered by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Lochsa River	LAS8	Middle Lochsa North Face tributarie Weir to Tick Creeks	5-1.1: Habitat Quantity: Anthropogenic Barriers	2017- 107 Road relocation	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	Expected completion 2017. Relocate 0.5 miles of lower 107 road to eliminate culvert, opens up approximately 2 miles upstream on Indian Grave Creek. Edits entered by R. Marsike / 14/2016 become in sinut from E. Tavige.
Snake River Steelhead	Lochsa River	LAS9	Middle Lochsa South Face tributarie Lottie to Robin Creeks	s -8.1: Water Quality: Temperature	2017 Treat invasive species, protect/restore native plant communities on backcountry trail network	197. Maintain/Remove Vegetation	1734. # of acres maintained	80 acres	Expected completion 2017. Treat invasive species, protect/restore native plant communities on backcountry trail network. Edited by R. Mazaika 5/11/2016 based on using form C T values.
Snake River Steelhead	Lochsa River	LAS9	Middle Lochsa South Face tributarie Lottie to Robin Creeks	s -8.1: Water Quality: Temperature	2018 Treat invasive species, protect/restore native plant communities on backcountry trail network	197. Maintain/Remove Vegetation	1734. # of acres maintained	80 acres	Expected completion 2018. Treatment of invasive species along backcountry trails to improve/protect riparian conditions. Edited by R. Mazaika 5/11/2016 based on input from F Taylor
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	1.1: Habitat Quantity: Anthropogenic Barriers	2018 Upper Lochsa Lands Purchase	5. Land Purchase and/or Conservation Easement	1772. Total # of Acres Protected	TBD - No uplift at this time (38,938 acres)	Note: This action was submitted on 5/10/2016 by E. Taylor with a note to address LF 1.1, 4.2, 6.1, 7.2, and 8.1 by virtue of an acquisition of commercial timber land having excess roads, culverts, and impaired conditions. Acquisition of and return to federal management of the Western Pacific Timber lands has been identified as possibly the most important restoration action that can be taken in the Upper Lochsa. Comments submitted by E. Taylor 5/10/2016. This action is unlikely to be completed before 2018, but is being left in the system as a placeholder/bookmark.
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	4.2: Riparian Condition: LWD Recruitment	Upper Lochsa Lands Purchase	5. Land Purchase and/or Conservation Easement	1772. Total # of Acres Protected	TBD - No uplift at this time (38,938 acres)	This action was submitted on 5/10/2016 by E. Taylor with a note to address LF 1.1, 4.2, 6.1, 7.2, and 8.1 by virtue of an acquisition of commercial timber land having excess roads, culverts, and impaired conditions. Acquisition of and return to federal management of the Western Pacific Timber lands has been identified as possibly the most important restoration action that can be taken in the Upper Lochsa. Comments submitted by E. Taylor 5/10/2016. This action is unlikely to be completed before 2018, but is being left in the system as a placeholder/bookmark.
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	6.2: Channel Structure and Form: Instream Structural Complexity	Upper Lochsa Lands Purchase	5. Land Purchase and/or Conservation Easement	1772. Total # of Acres Protected	TBD - No uplift until post-2018 likely (38,938 acres)	This action was submitted on 5/10/2016 by E. Taylor with a note to address IF 1.1, 4.2, 6.1, 7.2, and 8.1 by virtue of an acquisition of commercial timber land having excess roads, culverts, and impaired conditions. Acquisition of and return to federal management of the Western Pacific Timber lands has been identified as possibly the most important restoration action that can be taken in the Upper Lochsa. Comments submitted by E. Taylor 5/10/2016. This action is unlikely to be completed before 2018, but is being left in the system as a placeholder/bookmark.
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	7.2: Sediment Conditions: Increased Sediment Quantity	Upper Lochsa Lands Purchase	5. Land Purchase and/or Conservation Easement	1772. Total # of Acres Protected	TBD - unlikely to complete prior to 2018	This action was submitted on 5/10/2016 by E. Taylor with a note to address IF 1.1, 4.2, 6.1, 7.2, and 8.1 by virtue of an acquisition of commercial timber land having excess roads, culverts, and impaired conditions. Acquisition of and return to federal management of the Western Pacific Timber lands has been identified as possibly the most important restoration action that can be taken in the Upper Lochsa. Comments submitted by E. Taylor 5/10/2016. This action is unlikely to be completed before 2018, but is being left in the system as a placeholder/bookmark.
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	8.1: Water Quality: Temperature	Upper Lochsa Lands Purchase	5. Land Purchase and/or Conservation Easement	1772. Total # of Acres Protected	TBD, unlikely to be completed by 2018 (38,938 acres)	This action was submitted on 5/10/2016 by E. Taylor with a note to address IF 1.1, 4.2, 6.1, 7.2, and 8.1 by virtue of an acquisition of commercial timber land having excess roads, culverts, and impaired conditions. Acquisition of and return to federal management of the Western Pacific Timber lands has been identified as possibly the most important restoration action that can be taken in the Upper Lochsa. Comments submitted by E. Taylor 5/10/2016.
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	7.2: Sediment Conditions: Increased Sediment Quantity	2016 South Brushy Road Decommissioning Section 16	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland area	8 miles	Expected completion 2016. New action entered by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	7.2: Sediment Conditions: Increased Sediment Quantity	2017 South Brushy Road Decommissioning Section 8	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland area	11 miles	Expected completion 2017. New action entered by R. Mazaika 5/11/2016 based on input from F. Taylor
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	7.2: Sediment Conditions: Increased Sediment Quantity	2018 South Brushy Road Decommissioning Section 10	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland area	10 miles	Expected completion 2018. New action entered by R. Mazaika 5/11/2016 based on
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	6.2: Channel Structure and Form: Instream Structural Complexity	2018 Park Creek Re-meander	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	0.25 miles	Imput mult E. Taylor. Re-meander Park Creek above bridge replacement. The channel was simplified by the existing culvert and the location of the road. Expected completion 2018. New action entered hy R. Mazaika 5/11/206 based on joint from F. Taylor
Snake River Steelhead	Lochsa River	LAS6	Lochsa Mainstem	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	Mayor Fenn Side Channel Reconnection	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	0.3 miles	Reconnect disconnected side channel. Will be accompanied by planting and invasive plant treatment. Expected completion 2017-2018. New action entered by R. Mazaika 5/11/206 based on input from E. Taylor.
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ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Lochsa River	LAS7	Lower Lochsa (Deadman Creek to	7.2: Sediment Conditions: Increased Sediment Quantity	2018 460 B. Road Decommissioning	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland area	a 1 miles	Completion of road decommissioning started in 2008. Currently disputed by miner with
			Pete King Creek)		-				nearby claim. 1 mile estimated stream mile affected. Expected completion 2018. New
									action entered by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Lochsa River	LAS7	Lower Lochsa (Deadman Creek to	7.2: Sediment Conditions: Increased Sediment Quantity	2018 Pete King Road 453 Road to Trail	33. Decommission Road/Relocate Road	1395. # of miles of road improved or decommissioned in an upland area	1 mile	Currently undergoing review internally by USFS. Expected completion 2018. 1 mile
			Pete King Creek)						total. New action entered by R. Mazaika 5/11/2016 based on input from E. Taylor.
Snake River Steelhead	Lochsa River	LAS7	Lower Lochsa (Deadman Creek to	6.2: Channel Structure and Form: Instream Structural	2016 PALS or Beaver Dam Analogs - Pete King Creek	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.05 miles	Expected completion 2016. Pete King Creek. Edited by R. Mazaika 5/11/2016 based on
			Pete King Creek)	Complexity					input from E. Taylor
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	4.2: Riparian Condition: LWD Recruitment	2018 Revegetation to allow for LWD recruitment and riparian cover	47. Plant Vegetation	1403. # of riparian acres treated	10 acres (est. 0.5 mile)	
Snake River Steelhead	Lochsa River	LAS3A	Crooked Fork	4.1: Riparian Condition: Riparian Vegetation	2018 Revegetation to allow for LWD recruitment and riparian cover	47. Plant Vegetation	1406. # of riparian miles treated	0.5 miles	Added during 2016 EP LF
Snake River Steelhead	Lochsa River	LAS8	Middle Lochsa North Face tributaries	4.1: Riparian Condition: Riparian Vegetation	2017- 107 Road relocation and planting	47. Plant Vegetation	1406. # of riparian miles treated	0.25 mile	Added during 2016 EP LF
			Weir to Tick Creeks						
Snake River Steelhead	Lochsa River	LAS8	Middle Lochsa North Face tributaries	8.1: Water Quality: Temperature	2017 Weir Creek toilet			N/A	Prevents potential discharges, parking lot improvements, etc. No clear uplift for a
			Weir to Tick Creeks						measurable limiting factor, but added as a bookmark to TaurusMAH6.8.16