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.

FSU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Epoko Rivor Stoolhood	Crando Bondo River upper	LICSION	Middle Cathorine Creek and	8 1: Water Quality Temperature	2016 2019 Malmhorg Loace (BM 19 11)	164 Acquire Water Instroam	1452. Flow of water returned to the stream as prescribed in the water		
Shake Kiver Steemeau	mainstem	OGSIDA	Tributaries - Pyles Creek to Swackhammer	8.1. Water Quanty, remperature	2010 - 2010 Malifiberg Lease (KW 10-11)	104. Acquire water instream	acquisition in cubic-feet per second (cfs)	0.20 (15	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	8.1: Water Quality: Temperature	2016 Sheehy Lease (RM 15-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.53 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	8.1: Water Quality: Temperature	2016-2017 DR Lease (RM 44-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.34 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	8.1: Water Quality: Temperature	2016-2032 DR TLT (RM 44-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.31 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	8.1: Water Quality: Temperature	2016-2017 LC Lease (RM 16.5-13.5)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.38 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to	8.1: Water Quality: Temperature	2016-2017 DS (RM 16.5-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.12 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to	9.2: Water Quantity: Decreased Water Quantity	**Copy/Update All Actions for STL FROM CCC3A** 2016-2018 Malmberg Lease (RM 18-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.26 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	9.2: Water Quantity: Decreased Water Quantity	**Copy/Update from CCC3A** 2016 Sheehy Lease (RM 15-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.53 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	9.2: Water Quantity: Decreased Water Quantity	2016-2017 DR Lease (RM 44-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.34 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	9.2: Water Quantity: Decreased Water Quantity	2016-2032 DR TLT (RM 44-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.31 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	9.2: Water Quantity: Decreased Water Quantity	2016-2017 LC Lease (RM 16.5-13.5)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.38 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	9.2: Water Quantity: Decreased Water Quantity	2016-2017 DS (RM 16.5-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.12 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North and South Forks	9.2: Water Quantity: Decreased Water Quantity	Pipeline - Catherine Creek RM 44 Phase II Restoration	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.6 cfs	0.6 cfs from 8,000 ft pipeline. Starts in 2016
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2016 Rock Creek Phase 3	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1 mile	1 mile new channel construction
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	4.2: Riparian Condition: LWD Recruitment	2016 Rock Creek Phase 3	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1 mile	1 mile new channel construction
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	6.1: Channel Structure and Form: Bed and Channel Form	2016 Rock Creek Phase 3	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1 mile	1 mile new channel construction at RM 0.5 to 1.5. Adding meander.
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	6.2: Channel Structure and Form: Instream Structural Complexity	2016 Rock Creek Phase 3	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1 mile	1 mile new channel construction at RM 0.5 to 1.5. Adding meander.
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	7.2: Sediment Conditions: Increased Sediment Quantity	2016 Rock Creek Phase 3	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1 mile	1 mile new channel construction at RM 0.5 to 1.5. Adding meander.
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	8.1: Water Quality: Temperature	2016 Rock Creek Phase 3	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1 mile	1 mile new channel construction at RM 0.5 to 1.5. Adding meander.
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	8.1: Water Quality: Temperature	2016-2018 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	3-4 cfs late summer	2016-18 3-4 CFS late summer 13.4 beaver 19 miles GR
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	9.2: Water Quantity: Decreased Water Quantity	2016-2018 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	3-4 cfs late summer	2016-18
Snake River Steelhead	Grande Ronde River upper mainstem	UGS22	Sheep Creek and Tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2018 West Chicken Creek Culvert Replacements (2 culverts)	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	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS22	Sheep Creek and Tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2016 Sheep Creek Culvert Replacements (2 culverts	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	7 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2016 Willow Creek (Oregon Ag)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	5.52 miles	Moved planting to Look Forward.
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	2016 Willow Creek (Oregon Ag) planting	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	5.52 miles	Planting not completed as of 2015. Added to Look Forward
Snake River Steelhead	Grande Ronde River upper mainstem	UG29B	Lower Catherine Creek and Tributaries (contributing area and tributaries only)	9.2: Water Quantity: Decreased Water Quantity	2016 Boyd Little Creek SSL (Little Creek RM 3.54-0)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.3 cts	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS9A	Lower Catherine Creek and Tributaries (mainstem migration corridor only)	8.1: Water Quality: Temperature	2016-18 All How Projects Combined	164. Acquire Water Instream	1453. How of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	4 CFS (RM11 Davis-mouth)	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS9A	Lower Catherine Creek and Tributaries (mainstem migration corridor only)	9.2: Water Quantity: Decreased Water Quantity	ALL Flow projects - ADd from CCC2C - identical	164. Acquire Water Instream	1452. Amount of water secured in acre-feet/year	**Add from CCC2c**	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS16	Rock, Whiskey, Spring, Jordan, Bear, and Beaver Creeks and Tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2016 Rock Creek Phase 3 - Graves Creek	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	Replace an undersized culvert. Approximately 3 miles of improved access. Action also includes 1 mile new channel construction
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2018 Dry Creek Restoration Project	47. Plant Vegetation	1403. # of riparian acres treated	0.21 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	2018 Dry Creek Restoration Project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.21 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	6.1: Channel Structure and Form: Bed and Channel Form	2018 Dry Creek Restoration Project	30. Realign, Connect, and/or Create Channel	1476. # of stream miles after treatment	0.21 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	6.2: Channel Structure and Form: Instream Structural Complexity	2018 Dry Creek Restoration Project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.21 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment Quantity	2018 Dry Creek Restoration Project	47. Plant Vegetation	1406. # of riparian miles treated	0.21 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS8	Willow Creek and Tributaries	8.1: Water Quality: Temperature	2018 Dry Creek Restoration Project	47. Plant Vegetation	1406. # of riparian miles treated	0.21 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North	4.1: Riparian Condition: Riparian Vegetation	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
			and South Forks						

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North and South Forks	4.2: Riparian Condition: LWD Recruitment	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North	6.1: Channel Structure and Form: Bed and Channel Form	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North and South Fork	6.2: Channel Structure and Form: Instream Structural Complexity	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North	7.2: Sediment Conditions: Increased Sediment Quantity	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10B	Middle Catherine Creek and Tributaries - Swackhammer to North and South Forks	8.1: Water Quality: Temperature	2017 CC-Hall Ranch			TBD	Rerouting of side channel along Hwy 203, LWM additions TBD
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	8.1: Water Quality: Temperature	2016 GR_CatherineCrk_Southern Cross Permanent	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.44 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	9.2: Water Quantity: Decreased Water Quantity	2016 GR_CatherineCrk_Southern Cross Permanent	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.44 cfs	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS10A	Middle Catherine Creek and Tributaries - Pyles Creek to Swackhammer	8.1: Water Quality: Temperature	2018 Leasing general	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	4 CFS/ RM15-11	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS19	Upper Grande Ronde River Mainstem and Tributaries, Clear Creek to Headwaters	1.1: Habitat Quantity: Anthropogenic Barriers	2018 Muir Creek Culvert Replacement Project	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1.5 miles	Juvenile rearing only. Added LF1.1 and this action to UGS19 during EP LF2016 mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS13A	Five Points Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2017:Five Points Wood, Planting, and Diversion Removal			7 miles	
Snake River Steelhead	Grande Ronde River upper	UGS13A	Five Points Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	2017:Five Points Wood, Planting, and Diversion Removal			7 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS13A	Five Points Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	2017:Five Points Wood, Planting, and Diversion Removal			7 miles	
Snake River Steelhead	mainstem Grande Ronde River upper mainstem	UGS13A	Five Points Creek and Tributaries	6.2: Channel Structure and Form: Instream Structural Complexity	2016:Five Points Wood, Planting, and Diversion Removal			7 miles	
Snake River Steelhead	Grande Ronde River upper	UGS13A	Five Points Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment	2017:Five Points Wood, Planting, and Diversion Removal			7 miles	
Snake River Steelhead	Grande Ronde River upper	UGS13A	Five Points Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment	2017:Five Points Wood, Planting, and Diversion Removal			7 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS13A	Five Points Creek and Tributaries	Quantity 8.1: Water Quality: Temperature	2017:Five Points Wood, Planting, and Diversion Removal			7 miles	
Snake River Steelhead	mainstem Grande Ronde River upper mainstem	UGS15	McCoy Creek, Dark Canyon, and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2018 Dark Canyon Phase 1			3 miles	Dark Canyon Restoration Phase I will contain 3 miles of wood structures (made up of 1- 15 pieces) and complexes (50-75 pieces), plus riparian planting
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	4.2: Riparian Condition: LWD Recruitment	2018 McCoy Wood and Planting Project	29. Increase Aquatic and/or Floodplain	1387. # of miles of stream with improved complexity	2 miles	
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	4.2: Riparian Condition: LWD Recruitment	2018 Dark Canyon Phase 1	47. Plant Vegetation		3 miles	Dark Canyon Restoration Phase I will contain 3 miles of wood structures (made up of 1-
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	6.1: Channel Structure and Form: Bed and Channel	2018 Dark Canyon phase 1			3 miles	15 pieces) and complexes (50-75 pieces), plus riparian planting. Dark Canyon Restoration Phase I will contain 3 miles of wood structures (made up of 1-
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	Tributaries McCoy Creek, Dark Canyon, and	Form 6.1: Channel Structure and Form: Bed and Channel	2017 McCoy Wood and Planting Project			2 miles	15 pieces) and complexes (50-75 pieces), plus riparian planting.
Snake River Steelhead	mainstem Grande Ronde River upper mainstem	UGS15	Tributaries McCoy Creek, Dark Canyon, and Tributaries	Form 6.2: Channel Structure and Form: Instream Structural Complexity	2018 Dark Canyon phase 1			3 miles	Dark Canyon Restoration Phase I will contain 3 miles of wood structures (made up of 1- 15 pieces) and complexes (50-75 pieces), plus riparian planting.
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	6.2: Channel Structure and Form: Instream Structural	2017 McCoy Wood and Planting Project			2 miles	31 structures over 2 miles. Added during EP LF 2016.
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	Complexity 7.2: Sediment Conditions: Increased Sediment	2018 Dark Canyon phase 1			3 miles	Dark Canyon Restoration Phase I will contain 3 miles of wood structures (made up of 1-
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	Tributaries McCoy Creek, Dark Canyon, and	Quantity 7.2: Sediment Conditions: Increased Sediment	2018 McCoy Wood and Planting Project			2 miles	15 pieces) and complexes (50-75 pieces), plus riparian planting. 31 structures over 2 miles. Added during EP LF 2016.
Snake River Steelhead	mainstem Grande Ronde River upper mainstem	UGS15	Tributaries McCoy Creek, Dark Canyon, and Tributaries	Quantity 8.1: Water Quality: Temperature	2018 Dark Canyon phase 1			3 miles	Dark Canyon Restoration Phase I will contain 3 miles of wood structures (made up of 1- 15 pieces) and complexes (50-75 pieces), plus riparian planting.
Snake River Steelhead	Grande Ronde River upper	UGS20	Limber Jim Creek and Tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2017 Limber Jim Creek culvert replacement	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or	1.25 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS20	Limber Jim Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2018: Limber Jim Wood and Planting		likely limit of habitable range	2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS20	Limber Jim Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	2018: Limber Jim Wood and Planting			2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS20	Limber Jim Creek and Tributaries	6.2: Channel Structure and Form: Instream Structural	2017: Limber Jim Wood and Planting			2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS20	Limber Jim Creek and Tributaries	Complexity 7.2: Sediment Conditions: Increased Sediment	2017 Limber Jim Road Decommissioning			0.82 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS20	Limber Jim Creek and Tributaries	Quantity 9.2: Water Quantity: Decreased Water Quantity	2018: Limber Jim Wood and Planting			2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS21	Fly Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2016 Fly Creek-Smith fencing and pods	40. Install Fence	1401. # of miles of fence installed in a riparian area	1.5 miles	1.5 miles total fence with new and realigned. 0.6 mi new fence. 15 acres stream and
Spake Piver Ste-line	mainstem	110021	Ely Crook and Tributaria-	4 3: Pinarian Condition: IMD Borg Street	2016 Elu Craek Smith fanzing and pade	40 Install Engra	1401 # of miles of force installed in a singular and	1 5 miler	wetland livestock exclusion area, decreased size water gap, realignment 1,300' fence to widen existing exclosure 20', woody material added to stream
SHAKE KIVEL SLEEINEAD	mainstem	00321	ny creek and moutaries	452. mparian Condition. LVD Recruitment	2020 Fry Greek-Smith rending and pous	ino, modil rence	1401, # or miles or rence instaneo in a fipafian afea	1.5 miles	exclusion area, decreased size water gap, realignment 1,300' fence to widen existing exclosure 20', woody material added to stream

ESU	Reputation	Code	Assossment Unit	2012 Standardized Limiting Factor	Action	Work Element	Matric	Motric Plan Value	Plan Comment
Spake River Steelboad	Grande Ronde River upper	116521	Ely Creek and Tributaries	7 2: Sediment Conditions: Increased Sediment	2016 Ely Creek Smith fencing and pode	40. Install Eence	1401 # of miles of fence installed in a riparian area	0.6 mile	0.6 mi fonce, 15 acres stream and wetland livestock exclusion area, decreased size
Shake river Steemeau	mainstem	00321	Thy creek and modulies	Quantity	2010 Hy Creek-Smith Heiking and pous	40. Ilistan Fence	1401. # Of thiles of felice installed in a riparian area	0.0 mile	water gap, realignment 1,300' fence to widen existing exclosure 20', woody material added to stream
Snake River Steelhead	Grande Ronde River upper mainstem	UGS21	Fly Creek and Tributaries	8.1: Water Quality: Temperature	2016 Fly Creek-Smith fencing and pods	40. Install Fence	1401. # of miles of fence installed in a riparian area	0.6 mile	0.6 mi fence, 15 acres stream and wetland livestock exclusion area, decreased size water gap, realignment 1,300' fence to widen existing exclosure 20', woody material added to stream
Snake River Steelhead	Grande Ronde River upper mainstem	UGS4	Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	4.1: Riparian Condition: Riparian Vegetation	2018 Bird Track springs project			1.59 miles	Added during EP LF 2016mah.3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS4	Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	n 4.2: Riparian Condition: LWD Recruitment	2018 Bird Track springs project			1.59 miles	Added during EP LF 2016mah.3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS4	Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	6.1: Channel Structure and Form: Bed and Channel Form	2018 Bird Track springs project			1.59 miles	Added during EP LF 2016mah.3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS4	Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	6.2: Channel Structure and Form: Instream Structural Complexity	2018 Bird Track springs project			1.59 miles	Added during EP LF 2016mah.3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS4	Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2018 Bird Track springs project			1.59 miles	Added during EP LF 2016mah.3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS4	Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	n 8.1: Water Quality: Temperature	2018 Bird Track springs project			1.59 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS16	Rock, Whiskey, Spring, Jordan, Bear,	1.1: Habitat Quantity: Anthropogenic Barriers	2018 Highway 244 Whiskey Creek Culvert	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or	10 miles	Added during EP LF 2016. Not a barrier to adults, but a significant barrier to juveniles
Snake River Steelhead	mainstem Grande Ronde River upper mainstem	UGS4	and Beaver Creeks and Tributaries Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	5.1: Peripheral and Transitional Habitats: Side Channe and Wetland Conditions	el 2018 Bird Track springs project		likely limit of habitable range	1.59 miles	mah3.9.16 Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS4	Upper Grande Ronde River Mainsten - Upstream End of Grande Ronde Valley to Meadow Creek	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2018 Bird Track springs project			1.59 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS17	Upper Grande Ronde River Mainstem, Meadow Creek to Limber Jim Creek	6.2: Channel Structure and Form: Instream Structural Complexity	2018 GR River Large wood complex restoration	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	8 miles	Added during EP LF 2016. 8 complexes with 50-100 pieces of wood/complex. Totaling up to 800 pieces of LWDmah.3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS17	Upper Grande Ronde River Mainstem, Meadow Creek to Limber Lim Creek	7.2: Sediment Conditions: Increased Sediment Quantity	2018 GR River Large wood complex restoration	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	8 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper mainstem	UGS19	Upper Grande Ronde River Mainsten and Tributaries, Clear Creek to Headwaters	n 4.1: Riparian Condition: Riparian Vegetation	2016-17 Plant Skydd (Elk Browse control)			2.5 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS19	Upper Grande Ronde River Mainsten and Tributaries, Clear Creek to	n 4.2: Riparian Condition: LWD Recruitment	2016-17 Plant Skydd (Elk Browse control)			2.5 miles	
Snake River Steelhead	Grande Ronde River upper	UGS20	Limber Jim Creek and Tributaries	1.1: Habitat Quantity: Anthropogenic Barriers	2017 South Fork Limber Jim culvert	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1.5 miles	
Snake River Steelhead	Grande Ronde River upper mainstem	UGS20	Limber Jim Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment Quantity	2017 Limber Jim Wood and Planting	29. Increase Aquatic and/or Floodplain	1387. # of miles of stream with improved complexity	2 miles	
Snake River Steelhead	Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2016 Sheep Creek Exclosure fence	40. Install Fence	1401. # of miles of fence installed in a riparian area	3 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	2016 Sheep Creek Exclosure fence	40. Install Fence	1401. # of miles of fence installed in a riparian area	3 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2016-17 Plant Skydd (Elk Browse control)			2.5 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	2016-17 Plant Skydd (Elk Browse control)			2.5 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment	2016 Sheep Creek Exclosure fence	40. Install Fence	1401. # of miles of fence installed in a riparian area	3 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment	2016-17 Plant Skydd (Elk Browse control)			5 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	Quantity 8.1: Water Quality: Temperature	2016-17 Plant Skydd (Elk Browse control)			5 miles	Added during EP LF 2016 -mah3.9.16
Snake River Steelhead	mainstem Grande Ronde River upper	UGS22	Sheep Creek and Tributaries	8.1: Water Quality: Temperature	2016 Sheep Creek Exclosure fence	40. Install Fence	1401. # of miles of fence installed in a riparian area	3 miles	Added during EP LF 2016mah3.9.16
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	4.1: Riparian Condition: Riparian Vegetation	2018 McCoy Wood and Planting Project			2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	Tributaries McCoy Creek, Dark Canyon, and	4.1: Riparian Condition: Riparian Vegetation	2016 Dark Canyon Fencing and Spring development	40. Install Fence	1401. # of miles of fence installed in a riparian area	2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	Tributaries McCoy Creek, Dark Canyon, and	4.2: Riparian Condition: LWD Recruitment	2016 Dark Canyon Fencing and Spring development	40. Install Fence	1401. # of miles of fence installed in a riparian area	2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	Tributaries McCoy Creek, Dark Canyon, and	6.1: Channel Structure and Form: Bed and Channel	2016 Dark Canyon Fencing and Spring development	40. Install Fence	1401. # of miles of fence installed in a riparian area	2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	Tributaries McCoy Creek, Dark Canyon, and	Form 7.2: Sediment Conditions: Increased Sediment	2016 Dark Canyon Fencing and Spring development	40. Install Fence	1401. # of miles of fence installed in a riparian area	2 miles	
Snake River Steelhead	mainstem Grande Ronde River upper	UGS15	Tributaries McCoy Creek, Dark Canyon, and	Quantity 8.1: Water Quality: Temperature	2016 Dark Canyon Fencing and Spring development			2 miles	
Carlie Di su Ciu II	mainstem	110000	Tributaries			C Land Dumbers of the Course of the C		a succession (a succession and a succession and a succession of the succession and the succession of t	
Shake River Steelhead	mainstem	06515	Tributaries	4.1. Riparian Condition: Riparian Vegetation	Curina Dark Canyon Exclusion rencing / Conservation easement acquisition	5. Land Purchase and/or Conservation Easement	1575. # or riparian miles protected	in UGS14)	Audeu during EP LF 2010.
Snake River Steelhead	Grande Ronde River upper mainstem	UGS14	Meadow Creek and Tributaries (Except Dark Canyon and McCoy	4.1: Riparian Condition: Riparian Vegetation	Cunha Dark Canyon Exclusion fencing / Conservation easement acquisition	5. Land Purchase and/or Conservation Easement	1379. # of riparian miles protected	1 mile	3.5 miles total, but 2.5 miles upstream are in AU UG\$15. Added during EP LF 2016
Snake River Steelhead	Grande Ronde River upper	UGS15	Creeks) McCoy Creek, Dark Canyon, and	4.2: Riparian Condition: LWD Recruitment	Cunha Dark Canyon Exclusion fencing / Conservation easement acquisition	5. Land Purchase and/or Conservation Easement	1379. # of riparian miles protected	2.5 miles	
	mainstem	-	Tributaries						

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	6.1: Channel Structure and Form: Bed and Channel	Cunha Dark Canyon Exclusion fencing / Conservation easement acquisition	5. Land Purchase and/or Conservation Easement	1379. # of riparian miles protected	2.5 miles	
	mainstem		Tributaries	Form					
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	7.2: Sediment Conditions: Increased Sediment	Cunha Dark Canyon Exclusion fencing / Conservation easement acquisition			2.5 miles	
	mainstem		Tributaries	Quantity					
Snake River Steelhead	Grande Ronde River upper	UGS15	McCoy Creek, Dark Canyon, and	8.1: Water Quality: Temperature	Cunha Dark Canyon Exclusion fencing / Conservation easement acquisition			2.5 miles	
	mainstem		Tributaries						
Snake River Steelhead	Grande Ronde River upper	UGS14	Meadow Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	Cunha Dark Canyon Exclusion fencing / Conservation easement acquisition	5. Land Purchase and/or Conservation Easement	1379. # of riparian miles protected	1 miles	3.5 miles total, but 2.5 miles upstream are in AU UGS15. Added during EP LF 2016
	mainstem		(Except Dark Canyon and McCoy						
			Creeks)						
Snake River Steelhead	Grande Ronde River upper	UGS14	Meadow Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment	Cunha Dark Canyon Exclusion fencing / Conservation easement acquisition			1 miles	3.5 miles total, but 2.5 miles upstream are in AU UGS15. Added during EP LF 2016
	mainstem		(Except Dark Canyon and McCoy	Quantity					
			Creeks)						
Snake River Steelhead	Grande Ronde River upper	UGS5	Lookingglass Creek and Tributaries	4.1: Riparian Condition: Riparian Vegetation	Lookingglass Property Acquisition	5. Land Purchase and/or Conservation Easement	1379. # of riparian miles protected	3 miles	Added during EP LF 2016mah3.9.16
	mainstem								
Snake River Steelhead	Grande Ronde River upper	UGS5	Lookingglass Creek and Tributaries	4.2: Riparian Condition: LWD Recruitment	Lookingglass Property Acquisition	5. Land Purchase and/or Conservation Easement	1379. # of riparian miles protected	3 miles	Added during EP LF 2016mah3.9.16
Could be an official state	mainstem	11005			Lastradas Para da Anglia (1991)			2.5115	
Shake River Steelhead	Grande Ronde River upper	UGSS	LOOKING glass Creek and Tributaries	6.2: Channel Structure and Form: Instream Structural	Lookingglass Property Acquisition	5. Land Purchase and/or Conservation Easement	1379. # of riparian miles protected	3 miles	Added during EP LF 2016man3.9.16
Coulo Picco Charles d	mainstem	LICCOR			not of the not of the second second second		and the state of t	0.21.5	
Shake River Steemead	Grande Konde River upper	OG29B	Lower Catherine Creek and	9.2: Water Quantity: Decreased water Quantity	Becker Little Creek permanent transfer	164. Acquire water instream	1453. Flow of water returned to the stream as prescribed in the water	0.21 CIS	
	mainstem		tributaries (contributing area and				acquisition in cubic-reet per second (crs)		
Snako Pivor Stoolhoad	Grande Ronde River upper	116510	Linner Grande Ronde River Mainstern	7.2: Sediment Conditions: Increased Sediment	2016-17 Plant Skydd (Elk Prowse control)			2.5 miles	
Sliake liver Steemeau	mainstem	00315	and Tributaries. Clear Creek to	Quantity	2010-17 Plant Skydd (Elk Browse control)			2.5 miles	
	manisterii		Headwaters	Qualitity					
Snake River Steelhead	Grande Bonde Biver upper	116512	North Fork Catherine Creek	1 1: Habitat Quantity: Anthronogenic Barriers	2018 CC Adult Weir			0 miles*	*Note: Project is in ALL downstream in the mainstem. Not a direct impact on LIGS12 or
Shake hiver steemedu	mainstem	00512	North Fork Catherine Creek	1.1. Habitat Quantity. Antinopogenie barriers				o miles	other unstream Alls, per se, but may improve juvenile movement and snawning
Snake River Steelhead	Grande Ronde River upper	UGS8	Willow Creek and Tributaries	7.2: Sediment Conditions: Increased Sediment	2016 Willow Creek (Oregon Ag) planting	47. Plant Vegetation	1406. # of riparian miles treated	5.52 miles	oner apstream rost per set our may improve favenne movement and sparring.
	mainstem			Quantity					
Snake River Steelhead	Grande Ronde River upper	UGS8	Willow Creek and Tributaries	8.1: Water Quality: Temperature	2016 Willow Creek (Oregon Ag) planting	47. Plant Vegetation	1406. # of riparian miles treated	5.52 miles	
	mainstem								