NOTES:

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

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

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River	Catherine Creek		Lower Catherine Creek (old Grande	8.1: Water Quality: Temperature	2012 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.4 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12-4-15 -mh
Snake River	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	8.1: Water Quality: Temperature	2013 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	2.97 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12-4-15 - mh
Snake River	Catherine Creek		Lower Catherine Creek (old Grande	8.1: Water Quality: Temperature	2014 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	4.93 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12-4-15 - mh
Snake River	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	8.1: Water Quality: Temperature	2015 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	2.91 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12.4-15 - mh
	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	9.2: Water Quantity: Decreased Water Quantity	2012 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.4 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12.4-15 - mh
Snake River	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	9.2: Water Quantity: Decreased Water Quantity	2013 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	2.97 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12.4-15 - mh
Snake River	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	9.2: Water Quantity: Decreased Water Quantity	2014 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	4.93 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12.4-15 -mh
Snake River	Catherine Creek		Lower Catherine Creek (old Grande	9.2: Water Quantity: Decreased Water Quantity	2015 Leases - All Leases Combined	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	2.91 cfs	See steelhead AU UGS9A for list of individual leases used to calculate annual combined totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				acquisition in cubic-feet per second (cfs)		totals. The upstream flow acquisitions (e.g. from AU CCC3A) were then weighted based on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB. 12-4-15 -mh
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 Malmberg Lease (RM 18-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.26 cfs	2014 - 2018
Spring/Summer Chinook Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2015 Malmberg Lease (RM 18-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water acquisition in cubic-feet per second (cfs)	0.26 cfs	2014 - 2018
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2014 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	2014 - 2018
Snake River	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2015 Malmberg Lease (RM 18-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.26 cfs	2014 - 2018
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 Sheehy Lease (RM 15-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.53 cfs	2014 - 2016
Spring/Summer Chinook			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)		2015 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 cts	2014 - 2016
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2015 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	2014 - 2016
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2014 Sheehy Lease (RM 15-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.53 cfs	2014 - 2016
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2012 Malmberg Split Season Lease (RM 18-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.19 cfs	2012 - 2014
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2013 Malmberg Split Season Lease (RM 18-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.19 cfs	2012 - 2014
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 Malmberg Split Season Lease (RM 18-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.19 cfs	2012 - 2014
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2012 Malmberg Split Season Lease (RM 18-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water		2012 - 2014
Spring/Summer Chinook			Swackhammer Diversion)			-	acquisition in cubic-feet per second (cfs)		
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2013 Malmberg Split Season 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)		2012 - 2014
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2014 Malmberg Split Season 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)	0.19 cfs	2012 - 2014
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2014 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)	0.33 cfs	2014 - 2017
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2015 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)	0.33 cfs	2014 - 2017
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2014 DR Lease (RM 44-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.33 cfs	2014 - 2017
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2015 DR Lease (RM 44-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.33 cfs	2014 - 2017
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2013 DR TLT (RM 44-12)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.31 cfs	2013 - 2032
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2014 DR TLT (RM 44-12)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.31 cfs	2013 - 2032
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2015 DR TLT (RM 44-12)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.31 cfs	2013 - 2032
Spring/Summer Chinook Snake River	Catherine Creek		Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To		2013 DR TLT (RM 44-12)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water		2013 - 2032
Spring/Summer Chinook Snake River			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
Spring/Summer Chinook	Catherine Creek		Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)		2014 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)		2013 - 2032
Snake River Spring/Summer Chinook	Catherine Creek		Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)		2015 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)		2013 - 2032
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2013 LC Lease (0.38 cfs RM 16.5-13.5 / 0.3 cfs RM 13.5- 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)	0.38 cfs / 0.3 cfs	2013 - 2017. Aaron: TLT gives completely different numbers38 CFS from POD to LC, .30 CFS from LC to Davis, .15 from Davis to mouth
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 LC Lease (0.38 cfs RM 16.5-13.5 / 0.3 cfs RM 13.5-	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.38 cfs / 0.3 cfs	2013 - 2017
Spring/Summer Chinook			Swackhammer Diversion)		11)		acquisition in cubic-feet per second (cfs)		Aaron: TLT gives completely different numbers38 CFS from POD to LC, .30 CFS from LC to Davis, .15 from Davis to mouth
Snake River Spring/Summer Chinook	Catherine Creek		Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2015 LC Lease (0.38 cfs RM 16.5-13.5 / 0.3 cfs RM 13.5- 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)	0.38 cfs / 0.3 cfs	2013 - 2017 Aaron: TLT gives completely different numbers38 CFS from POD to LC, .30 CFS from LC to Davis, .15 from Davis to mouth
Snake River	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2013 LC Lease (0.38 cfs RM 16.5-13.5 / 0.3 cfs RM 13.5-	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.38 cfs / 0.3 cfs	2013 - 2017.
Spring/Summer Chinook			Swackhammer Diversion)		11)		acquisition in cubic-feet per second (cfs)		Aaron: TLT gives completely different numbers38 CFS from POD to LC, .30 CFS from LC to Davis, .15 from Davis to mouth

	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2014 LC Lease (0.38 cfs RM 16.5-13.5 / 0.3 cfs RM 13.5-	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.38 cfs / 0.3 cfs	2013 - 2017.
Spring/Summer Chinook			Swackhammer Diversion)		11)		acquisition in cubic-feet per second (cfs)		Aaron: TLT gives completely different numbers38 CFS from POD to LC, .30 CFS from LC to Davis, .15 from Davis to mouth
nake River pring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2015 LC Lease (0.38 cfs RM 16.5-13.5 / 0.3 cfs RM 13.5- 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)	0.38 cfs / 0.3 cfs	2013 - 2017. Aaron:TLT gives completely different numbers38 CFS from POD to LC, .30 CFS from LC to Davis, .15 from Davis to mouth
nake River pring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2013 GR_CC_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	2013 - 2017
nake River pring/Summer Chinook	Catherine Creek	СССЗА	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2014 GR_CC_DS (RM 16.5 - 12)	164. Acquire Water Instream		0.12 cfs	2013 - 2017
nake River	Catherine Creek	СССЗА	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2015 GR_CC_DS (RM 16.5 - 12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.12 cfs	2013 - 2017
pring/Summer Chinook nake River	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2013 GR_CC_DS (RM 16.5 - 12)	164. Acquire Water Instream		0.12 cfs	2013 - 2017
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2014 GR_CC_DS (RM 16.5 - 12)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.12 cfs	2013 - 2017
Spring/Summer Chinook	Catherine Creek	СССЗА	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2015 GR_CC_DS (RM 16.5 - 12)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	0.12 cfs	2013 - 2017
Spring/Summer Chinook	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 Southern Cross Forbearance (RM 45.65-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	1.08 cfs	
pring/Summer Chinook	Catherine Creek	CCC3A	Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2014 Southern Cross Forbearance (RM 45.65-11)	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water		
pring/Summer Chinook			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)		2014 GS SSL (RM 46 - 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)		2014 - 2015
Snake River Spring/Summer Chinook	Catherine Creek	СССЗА	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	8.1: Water Quality: Temperature	2015 GS SSL (RM 46 - 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)	0.22 cfs	2014 - 2015
Snake River Spring/Summer Chinook	Catherine Creek	СССЗА	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	2014 GS SSL (RM 46 - 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)	0.22 cfs	2014 - 2015
Snake River Spring/Summer Chinook	Catherine Creek	СССЗА		9.2: Water Quantity: Decreased Water Quantity	2015 GS SSL (RM 46 - 12)	164. Acquire Water Instream		0.22 cfs	2014 - 2015
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S	4.1: Riparian Condition: Riparian Vegetation	2014 CC RM 44 Phase II - Planting/Fencing	47. Plant Vegetation	1406. # of riparian miles treated	1.13 miles	Updated metric to 1.13 miles during EP LB. 104 acres consider in look forward as per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	4.1: Riparian Condition: Riparian Vegetation	2013 CC RM 44 Phase I - Planting (1400')	47. Plant Vegetation	1406. # of riparian miles treated	0.27 miles	Updated to 0.27 miles during EP LB. Kirby, Fite, Smith properties- small scale planting. S acres consider in lookforward; as per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	СССЗВ	Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	4.2: Riparian Condition: LWD Recruitment	2014 CC RM 44 Phase II - Planting/Fencing	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.13 miles	Udpated to 1.13 miles from 1.1m per 12.3.15 EP lookback
nake River pring/Summer Chinook	Catherine Creek	СССЗВ	Middle Catherine Creek (Swackhammer Diversion to N. & S	4.2: Riparian Condition: LWD Recruitment	2013 CC RM 44 Phase I - Planting (1400')	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.27 miles	Updated to 0.27 miles (1400') from 1.5 miles during EP LB 12/3/15
Snake River Spring/Summer Chinook	Catherine Creek	СССЗВ	Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2014 CC RM 44 Phase II - Side channels and Complexity	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.13 miles	Updated as per 13.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2015 CC RM 44 Phase III - Side channel w/ alcoves	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.66 miles	added per EP lookback 12.3.15
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S	5.2: Peripheral and Transitional Habitats: Floodplain Condition	2015 CC RM 44 Phase III - Side channels w/ alcoves	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.66 miles	Benefit to LF 5.2 floodplains from this project is low, although side channels increase activated floodplain capacity, updated per EP LB 12/3/2015
			Forks)	Condition					
	Catherine Creek	CCC5	Forks) N. & S. Forks Catherine Cr.	1.1: Habitat Quantity: Anthropogenic Barriers	2013 North Fork Catherine Creek Ford Removal (Partial iuvenile barrier, flow dependent)	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	
Spring/Summer Chinook Snake River	Catherine Creek Catherine Creek	CCC5 CCC5	Forks)		2013 North Fork Catherine Creek Ford Removal (Partial juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting	85. Remove/Breach Fish Passage Barrier 29. Increase Aquatic and/or Floodplain Complexity	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range 1387. # of miles of stream with improved complexity	2 miles 4.5 miles	
Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River			Forks) N. & S. Forks Catherine Cr.	1.1: Habitat Quantity: Anthropogenic Barriers	juvenile barrier, flow dependent)		likely limit of habitable range		
Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River	Catherine Creek	CCC5	Forks) N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr.	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting	29. Increase Aquatic and/or Floodplain Complexity	likely limit of habitable range 1387. # of miles of stream with improved complexity	4.5 miles	
Spring/Summer Chinook Snake River Snake River Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River	Catherine Creek Catherine Creek	ССС5 ССС5 ССС5 ССС5 ССС3В	Forks) N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. Middle Catherine Creek	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated	4.5 miles 4.5 miles	Updated per EP LB 12/3/2015
Spring/Summer Chinook Snake River Snake River Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River	Catherine Creek Catherine Creek Catherine Creek	ССС5 ССС5 ССС5 ССС5 ССС3В	Forks) N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr.	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1406. # of riparian miles treated	4.5 miles 4.5 miles 4.5 miles	Updated per EP LB 12/3/2015
Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Spring/Summer Chinook Spake River	Catherine Creek Catherine Creek Catherine Creek	CCC5 CCC5 CCC5 CCC3B	Forks) N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1406. # of riparian miles treated	4.5 miles 4.5 miles 4.5 miles	Updated per EP LB 12/3/2015 added per EP LB 12.3.15
Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook	Catherine Creek Catherine Creek Catherine Creek Catherine Creek	CCC5 CCC5 CCC5 CCC3B	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity	4.5 miles 4.5 miles 4.5 miles 1.13 miles	
Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River	Catherine Creek Catherine Creek Catherine Creek Catherine Creek Catherine Creek	ССС5 ССС5 ССС5 ССС3в ССС3в ССС3в	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase III - Side channels w/ alcoves	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1406. # of niparian miles treated 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity	4.5 miles 4.5 miles 4.5 miles 1.13 miles 0.66 miles	added per EP LB 12.3.15 Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP
Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River Spring/Summer Chinook Snake River	Catherine Creek Catherine Creek Catherine Creek Catherine Creek Catherine Creek Catherine Creek	ССС5 ССС5 ССС5 ССС3 ССС3В ССС3В ССС3В ССС3В	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	1.1: Habitat Quantity: Anthropogenic Barriers 1.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural Complexity	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase III - Side channels w/ alcoves CC RM 44 Phases I, II, & III - LWD / Instream complexity	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity	4.5 miles 4.5 miles 4.5 miles 1.13 miles 0.66 miles 2 miles	added per EP LB 12.3.15 Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP lookback
Spring/Summer Chinook Snake River Spring/Summer Chinook	Catherine Creek	ССС5 ССС5 ССС5 ССС3 ССС3В ССС3В ССС3В ССС3В	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	1.1: Habitat Quantity: Anthropogenic Barriers 1.2: Riparian Condition: LWD Recruitment 4.2: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural Complexity 7.2: Sediment Conditions: Increased Sediment Quantity	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase II - Side channels w/ alcoves CC RM 44 Phases I, II, & III - LWD / Instream complexity 2013 CC RM 44 Phase I - Stabilization (862')	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated	4.5 miles 4.5 miles 4.5 miles 1.13 miles 0.66 miles 2 miles 0.16 miles	added per EP LB 12.3.15 Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP lookback updated per 12.3.15 EP lookback
Spring/Summer Chinook Snake River Spring/Summer Chinook	Catherine Creek	ССС5 ССС5 ССС5 ССС3 ССС3В ССС3В ССС3В ССС3В ССС3В	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural Complexity 7.2: Sediment Conditions: Increased Sediment Quantity	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase II - Side channels w/ alcoves CC RM 44 Phases I, II, & III - LWD / Instream complexity 2013 CC RM 44 Phase I - Stabilization (862') 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity	4.5 miles 4.5 miles 4.5 miles 1.13 miles 0.66 miles 2 miles 0.16 miles 1.13 miles	added per EP LB 12.3.15 Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP lookback updated per 12.3.15 EP lookback updated per 12.3.15 EP lookback
pring/Summer Chinook inake River ipring/Summer Chinook inake River inake River ipring/Summer Chinook	Catherine Creek	CCC5 CCC5 CCC3B	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	1.1: Habitat Quantity: Anthropogenic Barriers 4.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural Complexity 7.2: Sediment Conditions: Increased Sediment Quantity 7.2: Sediment Conditions: Increased Sediment Quantity	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase III - Side channels w/ alcoves CC RM 44 Phases I, II, & III - LWD / Instream complexity 2013 CC RM 44 Phase I - Stabilization (862') 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase II - Planting/Fencing/Stabilization	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity	4.5 miles 4.5 miles 4.5 miles 1.13 miles 0.66 miles 2 miles 0.16 miles 1.13 miles	added per EP LB 12.3.15 Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP lookback updated per 12.3.15 EP lookback updated per 12.3.15 EP lookback Dep determined riparian planting has not realized growth that would have any
Spring/Summer Chinook Snake River Spring/Summer Chinook	Catherine Creek	CCC5 CCC5 CCC3B CCC3B	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	1.1: Habitat Quantity: Anthropogenic Barriers 1.2: Riparian Condition: LWD Recruitment 4.2: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural Complexity 7.2: Sediment Conditions: Increased Sediment Quantity 7.2: Sediment Conditions: Increased Sediment Quantity 8.1: Water Quality: Temperature	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase II - Side channels w/ alcoves CC RM 44 Phases I, II, & III - LWD / Instream complexity 2013 CC RM 44 Phase I - Stabilization (862') 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase II - Side channels w/ alcoves 2015 CC RM 44 Phase III - Side channels w/ alcoves	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity	4.5 miles 4.5 miles 4.5 miles 1.13 miles 0.66 miles 2 miles 0.16 miles 1.13 miles	added per EP LB 12.3.15 Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP lookback updated per 12.3.15 EP lookback updated per 12.3.15 EP lookback EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback EP determined riparian planting has not realized growth that would have any
pring/Summer Chinook inake River ipring/Summer Chinook inake River	Catherine Creek	CCC5 CCC5 CCC3B CCC3B	Forks) N. & S. Forks Catherine Cr. Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks) Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	1.1: Habitat Quantity: Anthropogenic Barriers 1.2: Riparian Condition: LWD Recruitment 4.1: Riparian Condition: Riparian Vegetation 8.1: Water Quality: Temperature 6.1: Channel Structure and Form: Bed and Channel Form 6.1: Channel Structure and Form: Bed and Channel Form 6.2: Channel Structure and Form: Instream Structural Complexity 7.2: Sediment Conditions: Increased Sediment Quantity 7.2: Sediment Conditions: Increased Sediment Quantity 8.1: Water Quality: Temperature 8.1: Water Quality: Temperature 8.1: Water Quality: Temperature	juvenile barrier, flow dependent) 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2012 South Fork Catherine Creek Riparian Planting 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase II - Side channels w/ alcoves CC RM 44 Phases I, II, & III - LWD / Instream complexity 2013 CC RM 44 Phase I - Stabilization (862') 2014 CC RM 44 Phase II - Side channels (862') 2014 CC RM 44 Phase II - Planting/Fencing/Stabilization 2015 CC RM 44 Phase III - Side channels w/ alcoves 2015 CC RM 44 Phase III - Side channels w/ alcoves 2015 CC RM 44 Phase III - Side channels w/ alcoves 2015 CC RM 44 Phase III - Side channels w/ alcoves	29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 29. Increase Aquatic and/or Floodplain Complexity 47. Plant Vegetation 47. Plant Vegetation 47. Plant Vegetation 47. Plant Vegetation	likely limit of habitable range 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1387. # of miles of stream with improved complexity 1406. # of riparian miles treated 1406. # of riparian miles treated 1406. # of riparian miles treated 1406. # of riparian miles treated	4.5 miles 4.5 miles 4.5 miles 1.13 miles 0.66 miles 2 miles 0.16 miles 1.13 miles	added per EP LB 12.3.15 Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP lookback EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback EP determined riparian planting has not realized growth that would have any

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	7.2: Sediment Conditions: Increased Sediment Quantity	2012 CC RM 37 Restoration	47. Plant Vegetation	1627. # of riparian wetland miles treated	0.75 miles	
Spring/Summer Chinook			Swackhammer Diversion)			_			
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	6.1: Channel Structure and Form: Bed and Channel Form	2012 CC RM 37 Restoration	30. Realign, Connect, and/or Create Channel	1753. # of miles of main channel treated in the freshwater non-tidal	0.75 miles	
Spring/Summer Chinook			Swackhammer Diversion)				zone		
Snake River	Catherine Creek	CCC3A		6.2: Channel Structure and Form: Instream Structural	2012 CC RM 37 Restoration	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.75 miles	
Spring/Summer Chinook			Swackhammer Diversion)	Complexity					
Snake River	Catherine Creek	CCC3A		5.2: Peripheral and Transitional Habitats: Floodplain	2012 CC RM 37 Restoration	180. Enhance Floodplain/Remove, Modify, Breach Dike	1403. # of riparian acres treated	4.8 acres	
Spring/Summer Chinook	Culturity Curve	66634	Swackhammer Diversion)	Condition					
Snake River	Catherine Creek	CCC3A	Swackhammer Diversion)	5.1: Peripheral and Transitional Habitats: Side Channel and Wetland Conditions	2012 CC RM 37 Restoration	30. Realign, Connect, and/or Create Channel	1473. # of acres of wetland affected by treatment	0.4 acres	
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	· · · · · · · · · · · · · · · · · · ·	4.2: Riparian Condition: LWD Recruitment	2012 CC RM 37 Restoration	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.75 mile	
Spring/Summer Chinook	Catherine Creek	CCCSA	Swackhammer Diversion)	4.2. Riparian condition. EWD Recruitment		25. Increase Aquatic and/or Hoodplain complexity	1367. # Of filles of stream with improved complexity	0.75 mile	
Snake River	Catherine Creek	CCC3A		4.1: Riparian Condition: Riparian Vegetation	2012 CC RM 37 Restoration	47. Plant Vegetation	1406. # of riparian miles treated	0.75 miles	
Spring/Summer Chinook			Swackhammer Diversion)						
Snake River	Catherine Creek	CCC5	N. & S. Forks Catherine Cr.	7.2: Sediment Conditions: Increased Sediment Quantity	2012 South Fork CC Riparian planting, Road	33. Decommission Road/Relocate Road	1394. # of miles of road improved or decommissioned in a riparian area	4.5 miles	Added per EP LB 12.3.15
Spring/Summer Chinook					decommission, Instream complexity				
Snake River	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	1.1: Habitat Quantity: Anthropogenic Barriers	Little Creek Diversion	84. Remove/Install Diversion	1441. # of miles of habitat accessed to the next upstream barrier(s) or	1.5 miles	Partial barrier for juveniles. Added to CCC2C per EP LB 12.3.15
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)				likely limit of habitable range		
Snake River	Catherine Creek	CCC2C		4.1: Riparian Condition: Riparian Vegetation	CC Baum Restoration project	47. Plant Vegetation	1406. # of riparian miles treated	0.25 miles	Added per EP LB 12.3.15
Spring/Summer Chinook			Ronde River confluence to Pyles Cr)						
Snake River	Catherine Creek	CCC2C		5.1: Peripheral and Transitional Habitats: Side Channel and	CC Baum Restoration project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.25 miles	Added per EP LB 12.3.15
Spring/Summer Chinook	Culturity Curve	66626	Ronde River confluence to Pyles Cr)	Wetland Conditions				0.05	
Snake River	Catherine Creek	CCC2C	Ronde River confluence to Pyles Cr)	6.1: Channel Structure and Form: Bed and Channel Form	CC Baum Restoration project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.25 miles	Added per EP LB 12.3.15
Spring/Summer Chinook Snake River	Catherine Creek	CCC2C		6.2: Channel Structure and Form: Instream Structural	CC Baum Restoration project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.25 miles	Added per EP LB 12.3.15
Spring/Summer Chinook	Catherine Creek	ccczc	Ronde River confluence to Pyles Cr)	Complexity	ce baum restoration project	25. Increase Aquatic and/or Hoodplain complexity	1367. # Of filles of stream with improved complexity	0.25 miles	Added per EF EB 12.3.13
Snake River	Catherine Creek	CCC2B	Lower Catherine Creek (State Ditch	8.1: Water Quality: Temperature	2013-2015 All Flow Projects Combined- Last 3 years	164. Acquire Water Instream	1452. Amount of water secured in acre-feet/year	0.76 cfs	Copied from UGS9A and added to this AU and CCC3B per EP LB 12.3.15
Spring/Summer Chinook			Diversion to old Grande Ronde River		(Davis RM 11 - mouth)				
			confluence)		(,				
Snake River	Catherine Creek	CCC2B	Lower Catherine Creek (State Ditch	9.2: Water Quantity: Decreased Water Quantity	2013-2015 All Flow Projects Combined- Last 3 years	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.76 cfs	Copied from UGS9A and added to CCC3B per EP LB 12.3.15
Spring/Summer Chinook			Diversion to old Grande Ronde River		(Davis RM 11 - mouth)		acquisition in cubic-feet per second (cfs)		
			confluence)						
Snake River	Catherine Creek	CCC3B	Middle Catherine Creek	1.1: Habitat Quantity: Anthropogenic Barriers	2014 CC RM 44 - Phase II Push up dam removal. Smith	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or	18 miles, 2 barriers	Updated from 4 barriers to 2 removed per EP LB 12/3/2015
Spring/Summer Chinook			(Swackhammer Diversion to N. & S		and Southern Cross dams (Juvenile barriers)		likely limit of habitable range		
			Forks)						
Snake River	Catherine Creek	CCC3B	Middle Catherine Creek	5.1: Peripheral and Transitional Habitats: Side Channel and	2013 CC RM 44 Phase I - side channel habitat	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.16 miles	Added per EP LB. Phase I - Kirby, Fite and Smith properties. EP LB 12/3/2015
Spring/Summer Chinook			(Swackhammer Diversion to N. & S	Wetland Conditions					
Snake River	Catherine Creek	CCC3B	Middle Catherine Creek	6.1: Channel Structure and Form: Bed and Channel Form	2013 CC RM 44 Phase I - Stabilization (862')	47. Plant Vegetation	1406. # of riparian miles treated	0.16 miles	updated per EP LB 12.3.15
Spring/Summer Chinook	cutienne creek	cccsb	(Swackhammer Diversion to N. & S	0.1. Channer Stracture and Form. Bed and channer form		47. Hunt Vegetation	1400. # Of fiparian filles deated	0.10 miles	
spring/summer enmoor			Forks)						
Snake River	Catherine Creek	CCC3B	Middle Catherine Creek	9.2: Water Quantity: Decreased Water Quantity	2013-2015 D Ricker TLT (RM 44-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.39 cfs	0.39 cfs in 10B, but only 0.31cfs in 10A. Lease is 2013-2017, then renewed 2018-2032.
Spring/Summer Chinook			(Swackhammer Diversion to N. & S				acquisition in cubic-feet per second (cfs)		copied from AU UGS10B as per EP LB 12/3/15
			Forks)						
Snake River	Catherine Creek	CCC3B	Middle Catherine Creek	9.2: Water Quantity: Decreased Water Quantity	2014-2015 Glen Smith Full (RM 46-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.22 cfs	copied from USG10B as per EP LB 12.3.15
Spring/Summer Chinook			(Swackhammer Diversion to N. & S				acquisition in cubic-feet per second (cfs)		
			Forks)						
Snake River	Catherine Creek	CCC3B	Middle Catherine Creek	9.2: Water Quantity: Decreased Water Quantity	2014 Southern Cross Forbearance (RM 45.65-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	1.08 cfs	copied from USG10B as per EP LB 12.3.15
Spring/Summer Chinook			(Swackhammer Diversion to N. & S				acquisition in cubic-feet per second (cfs)		
			Forks)						
Snake River	Catherine Creek	CCC3B	Middle Catherine Creek	9.2: Water Quantity: Decreased Water Quantity	2014-2015 D Ricker TLT Lease (RM 44-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.33 cfs	copied from USG10B as per EP LB 12.3.15; lease 2014-17
Spring/Summer Chinook			(Swackhammer Diversion to N. & S				acquisition in cubic-feet per second (cfs)		
Caalua Diwaa	Cath aria a Casali	66626	Forks)	4.2. Disputing Conditions UM/D Descuitors ant	CC Dever Destanting assignt	20. January Assertia and (as Flandalais Consulation		0.25 miles	
Snake River	Catherine Creek	CCC2C		4.2: Riparian Condition: LWD Recruitment	CC Baum Restoration project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.25 miles	
Spring/Summer Chinook Snake River	Catherine Crook	0000	Ronde River confluence to Pyles Cr)	5.2: Perinheral and Transitional Habitate: Eloodolain	CC Baum Restoration project	29 Increase Aquatic and/or Electrolatin Complexity	1387 # of miles of stream with improved complexity	0.25 miles	
Spring/Summer Chinook	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande Ronde River confluence to Pyles Cr)	5.2: Peripheral and Transitional Habitats: Floodplain Condition	CC Baum Restoration project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.23 1111125	
Snake River	Catherine Creek	CCC5	N. & S. Forks Catherine Cr.	6.2: Channel Structure and Form: Instream Structural	2012 South Fork CC Riparian planting, Road	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	4.5 miles	Added during 2015 EP LB. Inputted 2/5/16 by MH.
Spring/Summer Chinook	educerine Greek		a strong concine of	Complexity	decommission, Instream complexity	25. mercese square and/or moouplain compresity	2007 a of miles of stream with improved complexity		1 acc a and 2013 Er ED. Inputted 2/3/10 by With
		0005	N. & S. Forks Catherine Cr.	4.1: Riparian Condition: Riparian Vegetation	Corral Creek LWD (2014-15)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0 miles*	*Note: This action was determined not to benefit chinook, as the tributary is small and
Snake River	Catherine Creek	LLLS							
	Catherine Creek	CCC5	IN. & S. FOIKS CatileTitle Cr.	4.1. Riparian condition. Riparian vegetation					very minimal spawning in the area. 1-mile total was included as a steelhead benefit

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
	Grande Ronde River upper	UGC2	Middle GR Mainstem (Five-Points Cr.		2013 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	3-4 cfs late summer	2013-2015
	mainstem	11000	To Meadow Cr.)	0.4. Weber Oueliter Terresenter	2014 City Of Learned & Descentric Descent Construction	ACA Associas Material astronom	acquisition in cubic-feet per second (cfs)		2012 2015
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC2	Middle GR Mainstem (Five-Points Cr. To Meadow Cr.)	8.1: Water Quality: Temperature	2014 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 cts late summer	2013-2015
	Grande Ronde River upper	UGC2	Middle GR Mainstem (Five-Points Cr.	8.1: Water Quality: Temperature	2015 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	3-4 cfs late summer	2013-2015
Spring/Summer Chinook			To Meadow Cr.)				acquisition in cubic-feet per second (cfs)		
	Grande Ronde River upper	UGC2		9.2: Water Quantity: Decreased Water Quantity	2013 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	3-4 cfs late summer	2013-2015
	mainstem Grande Ronde River upper	UGC2	To Meadow Cr.) Middle GR Mainstem (Five-Points Cr.	9.2: Water Quantity: Decreased Water Quantity	2014 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	acquisition in cubic-feet per second (cfs) 1453. Flow of water returned to the stream as prescribed in the water	3-4 cfs late summer	2013-2015
	mainstem		To Meadow Cr.)				acquisition in cubic-feet per second (cfs)		
	Grande Ronde River upper	UGC2	Middle GR Mainstem (Five-Points Cr.	9.2: Water Quantity: Decreased Water Quantity	2015 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	3-4 cfs late summer	2013-2015
Spring/Summer Chinook Snake River		110034	To Meadow Cr.)	0.4. Weter Our liter Terroreture	2012 City Of Learning Description Court in Learning	ACA Association Markov la share an	acquisition in cubic-feet per second (cfs)		2012 2015
Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC3A	Beaver Creek	8.1: Water Quality: Temperature	2013 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)	5-4 cis late summer	2013-2015
	Grande Ronde River upper	UGC3A	Beaver Creek	8.1: Water Quality: Temperature	2014 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	3-4 cfs late summer	2013-2015
-p8/	mainstem						acquisition in cubic-feet per second (cfs)		
	Grande Ronde River upper	UGC3A	Beaver Creek	8.1: Water Quality: Temperature	2015 City Of Lagrande Reservoir Beaver Creek releases	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	3-4 cfs late summer	2013-2015
Spring/Summer Chinook Snake River	Grande Ronde River upper	UGC4	Meadow Cr. and Tributaries	4.1: Riparian Condition: Riparian Vegetation	2015 Meadow Creek Large Wood and Planting Project	47. Plant Vegetation	acquisition in cubic-feet per second (cfs) 1406. # of riparian miles treated	7.25 miles	upstream of Chinook distribution
Spring/Summer Chinook									
	Grande Ronde River upper	UGC4	Meadow Cr. and Tributaries	4.2: Riparian Condition: LWD Recruitment	2015 Meadow Creek Large Wood and Planting Project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	7.25 miles	upstream of Chinook distribution
Spring/Summer Chinook Snake River	mainstem Granda Randa River unno-	LIGC4	Moodow Cr. and Tributories	6.2: Channel Structure and Form: Instream Structure1	2015 Maadaw Crack Large Wood and Planting Project	20 Increase Aquatic and/or Elegendaria Complexity	1297 # of miles of stream with improved complexity	7.25 milos	unstroom of Chinook distribution
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC4	Meadow Cr. and Tributaries	6.2: Channel Structure and Form: Instream Structural Complexity	2015 Meadow Creek Large Wood and Planting Project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	7.25 miles	upstream of Chinook distribution
	Grande Ronde River upper	UGC4	Meadow Cr. and Tributaries	7.2: Sediment Conditions: Increased Sediment Quantity	2015 Meadow Creek Large Wood and Planting Project			7.25 miles	upstream of Chinook distribution
Spring/Summer Chinook	mainstem								
	Grande Ronde River upper	UGC4	Meadow Cr. and Tributaries	8.1: Water Quality: Temperature	2015 Meadow Creek Large Wood and Planting Project			7.25 miles	
Spring/Summer Chinook Snake River	Grande Ronde River upper	UGC7	LIGB & Tribs (Meadowbrook Cr. To F	4.1: Riparian Condition: Riparian Vegetation	2014 Upper Grande Ronde Small Wood and Pods	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	3 miles	*Updated from 2 miles to 3 miles in this AU during EP LB, to be consistent with
Spring/Summer Chinook		000	Fk.; Clear Cr. & E.Fk.)	nin nipanan conation nipanan regetation		25. Increase riquade and/or ribodylam complexity	2507 II of filles of scream and improved complexity	5 miles	attributing 5 miles of 8 miles total treatment to AU UGC5 . 12/1/2015.
	Grande Ronde River upper	UGC7		4.2: Riparian Condition: LWD Recruitment	2014 Upper Grande Ronde Small Wood and Pods	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	3 miles	*Updated from 2 miles to 3 miles in this AU during EP LB, to be consistent with
	mainstem	11007	Fk.; Clear Cr. & E.Fk.)	C. D. Channel Structure and Server Instances Structure!	2014 Linear Croade Danda Small Waad and Dada	20. In success A succession and for Electricity Consultation	1007 # -forther of stores with improved complexity	2 miles	attributing 5 miles of 8 miles total treatment to AU UGC5 . 12/1/2015.
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC7	Fk.; Clear Cr. & E.Fk.)	6.2: Channel Structure and Form: Instream Structural Complexity	2014 Upper Grande Ronde Small Wood and Pods	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	3 miles	*Updated from 2 miles to 3 miles in this AU during EP LB, to be consistent with attributing 5 miles of 8 miles total treatment to AU UGC5 . 12/1/2015.
	Grande Ronde River upper	UGC5		4.1: Riparian Condition: Riparian Vegetation	2012 Upper Grande Ronde Large Wood and Planting project	47. Plant Vegetation	1406. # of riparian miles treated	2 miles	
at ut a	mainstem		Sheep Cr.)						
	Grande Ronde River upper mainstem	UGC5		4.2: Riparian Condition: LWD Recruitment	2012 Upper Grande Ronde Small Wood and Pods	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	2 miles	
	Grande Ronde River upper	UGC5	Sheep Cr.) UGR Mainstream (Meadow Cr. To	7.2: Sediment Conditions: Increased Sediment Quantity	2012 Upper Grande Ronde Pod fencing	40. Install Fence	1488. # of river miles treated	1 mile, pod/planting exclusion only	
Spring/Summer Chinook	mainstem		Sheep Cr.)						
	Grande Ronde River upper	UGC5	UGR Mainstream (Meadow Cr. To	8.1: Water Quality: Temperature	2012 Upper Grande Ronde Pod fencing	40. Install Fence	1488. # of river miles treated	1 mile, pod/planting exclusion only	
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC5	Sheep Cr.) LIGB Mainstream (Meadow Cr. To	4.1: Riparian Condition: Riparian Vegetation	2012 Upper Grande Ronde Pod fencing	40. Install Fence	1488. # of river miles treated	1 mile, pod/planting exclusion only	
Spring/Summer Chinook		0000	Sheep Cr.)	4.1. Ripanan condition. Ripanan vegetation		Ho. Instan rence	1400. # Office finites related	i mile, pou planting exclusion only	
	Grande Ronde River upper	UGC5	UGR Mainstream (Meadow Cr. To	4.2: Riparian Condition: LWD Recruitment	2012 Upper Grande Ronde Pod fencing	40. Install Fence	1488. # of river miles treated	1 mile, pod/planting exclusion only	
Spring/Summer Chinook	mainstem	LICCE	Sheep Cr.)	C. D. Channel Structure and Server Instances Structure!	2014 USES USES Small was dien die die	20. In success A succession and for Electricity Consultation	1007 # -forther of stores with improved complexity	F and a sk	Reference of the second state of the second st
	Grande Ronde River upper mainstem	UGC5	UGR Mainstream (Meadow Cr. To Sheep Cr.)	6.2: Channel Structure and Form: Instream Structural Complexity	2014 USFS-UGS Small wood and pods	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	5 miles*	*Updated from 8 miles to 5 miles in this AU during EP LB. 3 miles added to AU UGC7, keeping total treatment to 8miles. 12/1/2015.
	Grande Ronde River upper	UGC7	UGR & Tribs. (Meadowbrook Cr. To E.	7.2: Sediment Conditions: Increased Sediment Quantity	2014 Upper Grande Ronde Small Wood and Pods	55. Erosion and Sedimentation Control		3 miles	
Spring/Summer Chinook			Fk.; Clear Cr. & E.Fk.)						
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC5	UGR Mainstream (Meadow Cr. To Sheep Cr.)	8.1: Water Quality: Temperature	2012 Upper Grande Ronde Large Wood and Planting project	47. Plant Vegetation	1406. # of riparian miles treated	2 miles	Added Action to LF8.1 during re-review of LB 2018 and 2033 uplifts during EP LF MAH.3.8.2016
	Grande Ronde River upper	UGC5		7.2: Sediment Conditions: Increased Sediment Quantity	2012 Upper Grande Ronde Large Wood and Planting project	47. Plant Vegetation	1406. # of riparian miles treated	2 miles	Added Action to LF7.2 during re-review of LB 2018 and 2033 uplifts during EP LF
Spring/Summer Chinook	mainstem		Sheep Cr.)						MAH.3.8.2016
	Grande Ronde River upper	UGC1A	Middle GR Mainstem (Five-Points Cr)	1.1: Habitat Quantity: Anthropogenic Barriers		85. Remove/Breach Fish Passage Barrier	1563. # of barriers in the freshwater zone	1 barrier (11 miles)	Added during EP LF panel. Should have been included for chinook during EP LB
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC1A	Middle GR Mainstem (Five-Points Cr)	6.2: Channel Structure and Form: Instream Structural	Partial fish barrier, especially for Chinook 2015 Union Pacific Diversion Removal & LWD - Phase 1 (7 sites x	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.5 miles	MAH3.8.2016 Added 3.8.2016 - MAH
Spring/Summer Chinook				Complexity	15pieces/site downstream)	······································			
	Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	4.1: Riparian Condition: Riparian Vegetation	2014 Sheep Creek Large Wood and Planting Project	47. Plant Vegetation	1406. # of riparian miles treated	2.5 miles	Edited from 3 miles to 2.5 miles. Also, added to LF4.2 (in addition to LF 4.1) during EP LB
Spring/Summer Chinook Snake River	mainstem	LICC ⁰	Shoop Cr. & Chickop Cr	4 1. Pinarian Condition: Pinarian Vegetation	2014 Chickon Crook Largo Wood and Planting Project	47 Plant Vegetation	1406 # of riparian miles treated	2 milor	12/1/2015 Added to LE4 2 (in addition to LE 4.1) during ED LB 12/1/2015
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC8	Sheep Cr. & Chicken Cr.	4.1: Riparian Condition: Riparian Vegetation	2014 Chicken Creek Large Wood and Planting Project	47. Plant Vegetation	1406. # of riparian miles treated	2 miles	Added to LF4.2 (in addition to LF 4.1) during EP LB 12/1/2015
Snake River	Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	4.2: Riparian Condition: LWD Recruitment	2014 Sheep Creek Large Wood and Planting Project	47. Plant Vegetation	1406. # of riparian miles treated	2.5 miles	Edited from 3 miles to 2.5 miles. Also, added to LF4.2 (in addition to LF 4.1) during EP LB
Spring/Summer Chinook									12/1/2015
	Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	4.2: Riparian Condition: LWD Recruitment	2014 Chicken Creek Large Wood and Planting Project	47. Plant Vegetation	1406. # of riparian miles treated	2 miles	
Spring/Summer Chinook Snake River	Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	6.2: Channel Structure and Form: Instream Structural	2014 Sheep Creek Large Wood and Planting Project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	2.5 miles	
Spring/Summer Chinook	mainstem			Complexity					
	Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	6.2: Channel Structure and Form: Instream Structural	2014 Chicken Creek Large Wood and Planting Project	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	2 miles	
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	Complexity 7.2: Sediment Conditions: Increased Sediment Quantity	2014 Sheep Creek Large Wood and Planting Project			2.5 miles	
Spring/Summer Chinook		5000	oncep of a chicken of	7.2. Seament Conditions. Increased Seament Qualitity	2014 Sheep Greek Large Wood and Flanting Floject			2.5 111103	
	Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	7.2: Sediment Conditions: Increased Sediment Quantity	2014 Chicken Creek Large Wood and Planting Project			2 mile	Updated from 1 mile to 2-mile during EP LB 12/1/15. Excel spreadsheet reporting 1 mile
Spring/Summer Chinook	mainstem			1				I	was incorrect.