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.

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Snake River	Population Catherine Creek	CCC2C	Assessment Unit Lower Catherine Creek (old Grande	2012 Standardized Limiting Factor 8.1: Water Quality: Temperature	Action 2012 Leases - All Leases Combined	Work Element 164. Acquire Water Instream	Metric 1453. Flow of water returned to the stream as prescribed in the water	Metric Plan Value 0.4 cfs	Plan Comment See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook	Catherine Creek	CCC2C	Ronde River confluence to Pyles Cr)	6.1. Water Quality. Femperature	2012 Leases - All Leases Combined	104. Acquire Water instream	acquisition in cubic-feet per second (cfs)	0.4 cis	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	CCC2C	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.
Carlos Divers	Catharina Carali	00000	Laura Catharina Carali (ald Carada	9.2: Water Quantity: Decreased Water Quantity	2012 Leases - All Leases Combined	1C4 Applies Webs lasteres	1452 []	0.4	12-4-15 -mh
Snake River Spring/Summer Chinook	Catherine Creek	CCC2C	Ronde River confluence to Pyles Cr)	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 acquisition in cubic-feet per second (cfs)	0.4 CIS	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 Chinock			nonce have communice to 1 yies city				acquisition in caste rect per second (crs)		on the amount of impact to downstream AUs to calculate uplift during the 2015 EP LB.
									12-4-15 -mh
	Catherine Creek	CCC2C		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.
Snake River	Catherine Creek	CCC2C	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	12-4-15 -mh See steelhead AU UGS9A for list of individual leases used to calculate annual combined
Spring/Summer Chinook	datiernie dreek	00020	Ronde River confluence to Pyles Cr)	3.2. Water quantity, seed cased Water quantity	2013 Ecuses 7 in Ecuses Combined	10 mequite mater material	acquisition in cubic-feet per second (cfs)	2.52 0.5	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.
C I . Di	Cultural Const	0000	MODEL COLLEGE COLLEGE COLLEGE	04 Weeks 0 - 172 - Terresed	204444	1554 A	ASS SILVER AND	0.25 - 5	12-4-15 -mh
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	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 acquisition in cubic-feet per second (cfs)	0.26 cts	2014 - 2018
	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	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	datiernie dreek	cccs	Swackhammer Diversion)	o.i. Water quality. remperature	2015 Mulliberg 2005c (MM 10 11)	10 mequite mater material	acquisition in cubic-feet per second (cfs)	0.20 0.3	
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	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	0.26 cfs	2014 - 2018
Spring/Summer Chinook			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	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 acquisition in cubic-feet per second (cfs)	0.26 cts	2014 - 2018
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 Sheehy Lease (RM 15-11)	164. Acquire Water Instream		0.53 cfs	2014 - 2016
Spring/Summer Chinook			Swackhammer Diversion)		, , , , , ,		acquisition in cubic-feet per second (cfs)		
	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2015 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	Culturative Count	00004	Swackhammer Diversion)	22 W	2045 (1)	act A to Water Land	acquisition in cubic-feet per second (cfs)	0.52 .5	2044 2045
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	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 CIS	2014 - 2016
	Catherine Creek	CCC3A		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			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2012 Malmberg Split Season Lease (RM 18-11)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.19 cfs	2012 - 2014
Spring/Summer Chinook	Catharina Carali	CCC3A	Swackhammer Diversion)	0.1. Water Ovelit - Terreset	2012 Marlanhara Calit Casasa Lasas (DM 10 11)	4CA Associate Wester Instrumen	acquisition in cubic-feet per second (cfs)	0.10	2012 2014
Snake River Spring/Summer Chinook	Catherine Creek	CCCSA	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	o.i. water quality. reinperature	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)	0.19 cfs	2012 - 2014
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	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	0.19 cfs	2012 - 2014
Spring/Summer Chinook			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2012 Malmberg Split Season Lease (RM 18-11)	164. Acquire Water Instream	1	0.19 cfs	2012 - 2014
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To.	9.2: Water Quantity: Decreased Water Quantity	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	Catherine Creek	CCCSA	Swackhammer Diversion)	3.2. Water Quantity. Decreased Water Quantity	2015 Manifoli Spire Scason 2case (MM 10 11)	104. Acquire Water Instream	acquisition in cubic-feet per second (cfs)	0.13 (13	2012 2014
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	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	0.19 cfs	2012 - 2014
Spring/Summer Chinook	Cultural Control	0000	Swackhammer Diversion)	04 Webs 0 475 To	2044 204 (014	aca and the windows	acquisition in cubic-feet per second (cfs)	0.22 - 5	2044 2047
	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)	U.33 cts	2014 - 2017
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	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			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
Snake River	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2014 DR Lease (RM 44-11)	164. Acquire Water Instream		0.33 cfs	2014 - 2017
Spring/Summer Chinook	Catharina Caral	00001	Swackhammer Diversion)	0.2. Weter Overtity Decrees 1997 12	2045 DD Lance (DM 44 44)	164 Assuirs Weter Instrum	acquisition in cubic-feet per second (cfs)	0.22 -f-	2014 2017
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	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)	U.33 CTS	2014 - 2017
	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2013 DR TLT (RM 44-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.31 cfs	2013 - 2032
Spring/Summer Chinook			Swackhammer Diversion)				acquisition in cubic-feet per second (cfs)		
Snake River	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2014 DR TLT (RM 44-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.31 cfs	2013 - 2032
Spring/Summer Chinook	Catharina Caral	00001	Swackhammer Diversion)	0.2. Weter Overtity Decrees 1997 12	2045 DD TIT (DNA 44 42)	164 Assuirs Weter Instrum	acquisition in cubic-feet per second (cfs)	0.21 -f-	2012 2022
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	9.2: Water Quantity: Decreased Water Quantity	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)	U.31 CfS	2013 - 2032
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2013 DR TLT (RM 44-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.31 cfs	2013 - 2032
Spring/Summer Chinook			Swackhammer Diversion)			·	acquisition in cubic-feet per second (cfs)		
	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 DR TLT (RM 44-12)	164. Acquire Water Instream	1453. Flow of water returned to the stream as prescribed in the water	0.31 cfs	2013 - 2032
Spring/Summer Chinook	Cathorina Crook	CCC34	Swackhammer Diversion) Middle Catherine Creek (Pules Cr. To.	9.1. Water Quality Temperature	2015 DP TIT (PM 44 12)	164 Acquire Water Instrum	acquisition in cubic-feet per second (cfs)	0.21 cfc	2012 - 2022
Snake River Spring/Summer Chinook	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To Swackhammer Diversion)	o.1. water Quality: Temperature	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)	0.31 cfs	2013 - 2032
	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	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. Aaron: TLT gives completely different numbers38 CFS from POD to LC,
Spring/Summer Chinook			Swackhammer Diversion)		11)		acquisition in cubic-feet per second (cfs)		.30 CFS from LC to Davis, .15 from Davis to mouth
	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
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2015 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	LC to Davis, .15 from Davis to mouth 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
	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
L		1			I .	I .	ı		LC to Davis, ITOIII Davis to IIIoutii

	Population Catherine Creek				Action 2014 LC Lease (0.38 cfs RM 16.5-13.5 / 0.3 cfs RM 13.5-	Work Element	Metric 1453. Flow of water returned to the stream as prescribed in the water	Metric Plan Value 0.38 cfs / 0.3 cfs	Plan Comment 2013 - 2017.
Spring/Summer Chinook	Catherine Creek	CCCSA	Swackhammer Diversion)	3.2. Water Quantity. Decreased water Quantity	2014 LC Lease (0.56 LIS NW 10.5-15.5 / 0.5 LIS NW 15.5- 11)	104. Acquire water instream	acquisition in cubic-feet per second (cfs)	0.36 CIS / U.3 CIS	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	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
Snake River	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
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2014 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	8 1: Water Quality: Temperature	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			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)	9.2: Water Quantity: Decreased Water Quantity	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
	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2014 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
	Catherine Creek	CCC3A		9.2: Water Quantity: Decreased Water Quantity	2015 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	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	
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To.	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	1.08 cfs	
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)	8.1: Water Quality: Temperature	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
	Catherine Creek	CCC3A	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	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	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	0.22 cfs	2014 - 2015
Spring/Summer Chinook Snake River	Catherine Creek	CCC3A	Swackhammer Diversion) Middle Catherine Creek (Pyles Cr. To	9.2: Water Quantity: Decreased Water Quantity	2015 GS SSL (RM 46 - 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	0.22 cfs	2014 - 2015
Spring/Summer Chinook Snake River	Catherine Creek		Swackhammer Diversion)		2014 CC RM 44 Phase II - Planting/Fencing	47. Plant Vegetation	acquisition in cubic-feet per second (cfs) 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
Spring/Summer Chinook	Catherine Creek	СССЗВ	(Swackhammer Diversion to N. & S Forks)		2014 CC NW 44 Phase II - Planting/Fencing	47. Flant Vegetation	1400. # Of Tiparion filles treated	1.13 miles	12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	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. 5 acres consider in lookforward; as per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	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
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	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	CCC3B	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 Forks)	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
Snake River Spring/Summer Chinook	Catherine Creek	CCC5	N. & S. Forks Catherine Cr.	1.1: Habitat Quantity: Anthropogenic Barriers	2013 North Fork Catherine Creek Ford Removal (Partial juvenile 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	
Snake River	Catherine Creek	CCC5	N. & S. Forks Catherine Cr.	4.2: Riparian Condition: LWD Recruitment		29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	4.5 miles	
Spring/Summer Chinook Snake River	Catherine Creek	CCC5	N. & S. Forks Catherine Cr.	4.1: Riparian Condition: Riparian Vegetation	2012 South Fork Catherine Creek Riparian Planting	47. Plant Vegetation	1406. # of riparian miles treated	4.5 miles	
Spring/Summer Chinook Snake River	Catherine Creek	CCC5	N. & S. Forks Catherine Cr.	8.1: Water Quality: Temperature	2012 South Fork Catherine Creek Riparian Planting	47. Plant Vegetation	1406. # of riparian miles treated	4.5 miles	
Spring/Summer Chinook Snake River	Cathorina Crook	CCC3B	Middle Catherine Creek	6.1: Channel Structure and Form: Red and Channel Form	2014 CC PM 44 Phase II - Planting/Energing/Stabilization	20 Increase Aquatic and/or Floodolain Complexity	1387. # of miles of stream with improved complexity	1 12 miles	Updated per EP LB 12/3/2015
Spring/Summer Chinook	Catherine Creek		(Swackhammer Diversion to N. & S Forks)	6.1: Channel Structure and Form: Bed and Channel Form	2014 CC RM 44 Phase II - Planting/Fencing/Stabilization	23. Increase Aquatic and/or indodplain complexity	1367. # Of filles of stream with improved complexity	1.13 miles	opoacea per Er Eb 12/3/2013
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	6.1: Channel Structure and Form: Bed and Channel Form	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	added per EP LB 12.3.15
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	6.2: Channel Structure and Form: Instream Structural Complexity	CC RM 44 Phases I, II, & III - LWD / Instream complexity	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	2 miles	Combined all 3 phases of instream work in this stretch. Updated per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	СССЗВ	Middle Catherine Creek (Swackhammer Diversion to N. & S Forks)	7.2: Sediment Conditions: Increased Sediment Quantity	2013 CC RM 44 Phase I - Stabilization (862')	47. Plant Vegetation	1406. # of riparian miles treated	0.16 miles	updated per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S	7.2: Sediment Conditions: Increased Sediment Quantity	2014 CC RM 44 Phase II - Planting/Fencing/Stabilization	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.13 miles	updated per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B	Middle Catherine Creek (Swackhammer Diversion to N. & S	7.2: Sediment Conditions: Increased Sediment Quantity	2015 CC RM 44 Phase III - Side channels w/ alcoves	47. Plant Vegetation	1406. # of riparian miles treated	0.66 miles	updated per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	СССЗВ	/	8.1: Water Quality: Temperature	2015 Catherine Creek RM 44 Phase III - Side Channels	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity		0 EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	CCC3B		8.1: Water Quality: Temperature	2014 Catherine Creek RM 44 Phase II - Planting/Fencing	47. Plant Vegetation	1406. # of riparian miles treated		0 EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	СССЗВ	Middle Catherine Creek (Swackhammer Diversion to N. & S	8.1: Water Quality: Temperature	2013 Catherine Creek RM 44 Phase I Planting (1400')	47. Plant Vegetation	1406. # of riparian miles treated		0 EP determined riparian planting has not realized growth that would have any temperature benefits. Updated per 12.3.15 EP lookback
Snake River Spring/Summer Chinook	Catherine Creek	СССЗВ	Middle Catherine Creek (Swackhammer Diversion to N. & S	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 (0.6 cfs future)	Per EP LB, will not start until 2016. 8,000 ft of pipeline, 0.6 cfs. Add to 2016 look forward. 12/3/2015
Snake River	Catherine Creek	CCC3A	Middle Catherine Creek (Pyles Cr. To	8.1: Water Quality: Temperature	2012 CC RM 37 Restoration	47. Plant Vegetation	1627. # of riparian wetland miles treated	0.75 miles	
Spring/Summer Chinook			Swackhammer Diversion)						

FSII	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River	Catherine Creek	CCC3A		7.2: Sediment Conditions: Increased Sediment Quantity	2012 CC RM 37 Restoration	47. Plant Vegetation	1627. # of riparian wetland miles treated	0.75 miles	Tidii Comment
Spring/Summer Chinook	Catherine Creek	CCCSA	Swackhammer Diversion)	7.2. Sediment Conditions. Increased Sediment Quantity	2012 CC NIVI 37 NESIDIALION	47. Flatic Vegetation	1027. # Of riparian wedand filles deated	0.73 Illies	
Snake River	Catherine Creek	CCC3A	í	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	Catherine Creek	CCCSA	Swackhammer Diversion)	0.1. Channel Structure and Form. Bed and Channel Form	2012 CC NIVI 37 NESIDIALION	30. Realigh, Connect, and/or Create Channel	zone	0.73 Illies	
Snake River	Catherine Creek	СССЗА		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	Catilerine creek	CCCSA	Swackhammer Diversion)	Complexity	2012 CC NW 37 NESIGNATION	25. Increase Aquatic unity of Produption Complexity	2307. # of filles of stream with improved complexity	0.75 miles	
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	Counciline Creek	000571	Swackhammer Diversion)	Condition	2012 GC IIII 37 NESIOI GIIOII	2001 Elimance Produption y Nethore, Modify, Sreden Sike	2 100. II Of Figurial delete dedeed	1.0 del es	
Snake River	Catherine Creek	CCC3A		5.1: Peripheral and Transitional Habitats: Side Channel and	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			Swackhammer Diversion)	Wetland Conditions					
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			Swackhammer Diversion)				,		
Snake River	Catherine Creek	CCC3A	í	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		1	Ronde River confluence to Pyles Cr)				,		· 1
Snake River	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	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		1	Ronde River confluence to Pyles Cr)	Wetland Conditions			F		· 1
Snake River	Catherine Creek	CCC2C		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			Ronde River confluence to Pyles Cr)		. ,				· ·
Snake River	Catherine Creek	CCC2C	Lower Catherine Creek (old Grande	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			Ronde River confluence to Pyles Cr)						
Snake River	Catherine Creek	CCC2B	Lower Catherine Creek (State Ditch		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		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					
			Forks)						
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			(Swackhammer Diversion to N. & S						
			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)			1			
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 cts	copied from USG10B as per EP LB 12.3.15; lease 2014-17
Spring/Summer Chinook	İ	1	(Swackhammer Diversion to N. & S				acquisition in cubic-feet per second (cfs)		
			Forks)						
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	Cultura Cult	00000	Ronde River confluence to Pyles Cr)	50 0. 44. 44. 47. 49. 49. 49. 49. 49.	loop.	20 1	4207 H of other fathers (41)	0.25	
Snake River	Catherine Creek	CCC2C		5.2: Peripheral and Transitional Habitats: Floodplain	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	Cultura Cult	000-	Ronde River confluence to Pyles Cr)		2012 C. III S. I CONV. C. I V. S. I	20 1	4207 H of other follows (4):	4.5	A 11 1 1 2 2 2005 5D 1D 1 2 11 12 12 14 C 1 2 2 2 2
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	Cultura Curat	0005	N. O. C. S. J. C. H. J. C.	Complexity	decommission, Instream complexity	20 1	1207 H of other fathers (11 the control of the cont	0 11 2	*No. 715 and a state of the sta
Snake River	Catherine Creek	CCC5	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
Spring/Summer Chinook									very minimal spawning in the area. 1-mile total was included as a steelhead benefit
	1				1	1			MAH.3.8.2016

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River	Grande Ronde River upper	UGC2	Middle GR Mainstem (Five-Points Cr.	i	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
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC2	To Meadow Cr.) Middle GR Mainstem (Five-Points Cr.			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
Spring/Summer Chinook		0002	To Meadow Cr.)	6.1. Water Quanty. Temperature	2014 City Of Lagrande Reservoir Beaver Creek releases	104. Acquire Water Instream	acquisition in cubic-feet per second (cfs)	3-4 cis late sullillel	
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	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 acquisition in cubic-feet per second (cfs)	3-4 cfs late summer	2013-2015
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC2	Middle GR Mainstem (Five-Points Cr. To Meadow Cr.)	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 acquisition in cubic-feet per second (cfs)	3-4 cfs late summer	2013-2015
Snake River	Grande Ronde River upper	UGC2	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	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	UGC2		9.2: Water Quantity: Decreased Water Quantity	2015 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
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC3A	To Meadow Cr.) Beaver Creek	8.1: Water Quality: Temperature	2013 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
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC3A	Beaver Creek	8.1: Water Quality: Temperature	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
Spring/Summer Chinook	mainstem					164. Acquire Water Instream	acquisition in cubic-feet per second (cfs)		
Spring/Summer Chinook	Grande Ronde River upper mainstem	UGCSA	Beaver Creek	8.1: Water Quality: Temperature	2015 City Of Lagrande Reservoir Beaver Creek releases	104. 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 sulfillier	2013-2015
Snake River Spring/Summer Chinook	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	1406. # of riparian miles treated	7.25 miles	upstream of Chinook distribution
Snake River	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	Grande Ronde River upper	UGC4	Meadow Cr. and Tributaries	6.2: Channel Structure and Form: Instream Structural	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		LICCA	Mandau Co. and Trib tanin	Complexity	2045 Manday Cook Large Wand and Displies Desired			7.25	
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	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
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC4	Meadow Cr. and Tributaries	8.1: Water Quality: Temperature	2015 Meadow Creek Large Wood and Planting Project			7.25 miles	
Snake River Spring/Summer Chinook	Grande Ronde River upper	UGC7	UGR & Tribs. (Meadowbrook Cr. To E. Fk.; Clear Cr. & E.Fk.)	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 attributing 5 miles of 8 miles total treatment to AU UGC5 . 12/1/2015.
Snake River	Grande Ronde River upper	UGC7	UGR & Tribs. (Meadowbrook Cr. To E.	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
Spring/Summer Chinook Snake River	Grande Ronde River upper	UGC7		6.2: Channel Structure and Form: Instream Structural	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	attributing 5 miles of 8 miles total treatment to AU UGC5 . 12/1/2015. *Updated from 2 miles to 3 miles in this AU during EP LB, to be consistent with
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC5	Fk.; Clear Cr. & E.Fk.) UGR Mainstream (Meadow Cr. To	Complexity 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	attributing 5 miles of 8 miles total treatment to AU UGC5 . 12/1/2015.
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC5	Sheep Cr.) UGR Mainstream (Meadow Cr. To	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	
Spring/Summer Chinook Snake River		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		
Spring/Summer Chinook	mainstem	0005	Sheep Cr.)	·				1 mile, pod/planting exclusion only	
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGCS	UGR Mainstream (Meadow Cr. To Sheep Cr.)	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	
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC5	UGR Mainstream (Meadow Cr. To Sheep Cr.)	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	
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	UGC5	UGR Mainstream (Meadow Cr. To Sheep Cr.)	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	
Snake River	Grande Ronde River upper	UGC5	UGR Mainstream (Meadow Cr. To Sheep Cr.)	6.2: Channel Structure and Form: Instream Structural	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,
Spring/Summer Chinook Snake River	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	keeping total treatment to 8miles. 12/1/2015.
Spring/Summer Chinook Snake River	Grande Ronde River upper	UGC5	Fk.; Clear Cr. & E.Fk.) UGR Mainstream (Meadow Cr. To	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
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC5	Sheep Cr.) UGR Mainstream (Meadow Cr. To	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	MAH.3.8.2016 Added Action to LF7.2 during re-review of LB 2018 and 2033 uplifts during EP LF
Spring/Summer Chinook Snake River	mainstem Grande Ronde River upper	UGC1A	Sheep Cr.)	1.1: Habitat Quantity: Anthropogenic Barriers	2015 Union Pacific Diversion 4' dam removal - USFS (Five Points Creek).	85. Remove/Breach Fish Passage Barrier	1563. # of barriers in the freshwater zone	1 barrier (11 miles)	MAH.3.8.2016 Added during EP LF panel. Should have been included for chinook during EP LB
Spring/Summer Chinook	mainstem				Partial fish barrier, especially for Chinook				MAH3.8.2016
Snake River Spring/Summer Chinook				6.2: Channel Structure and Form: Instream Structural Complexity	2015 Union Pacific Diversion Removal & LWD - Phase 1 (7 sites x 15pieces/site downstream)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.5 miles	Added 3.8.2016 -MAH
Snake River Spring/Summer Chinook	Grande Ronde River upper mainstem	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 LE 12/1/2015
Snake River Spring/Summer Chinook	Grande Ronde River upper	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
	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 LE 12/1/2015
Snake River	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	126/2/2020
Spring/Summer Chinook Snake River	mainstem 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 Snake River	mainstem Grande Ronde River upper	UGC8	Sheep Cr. & Chicken Cr.	Complexity 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		UGC8	Sheep Cr. & Chicken Cr.	Complexity 7.2: Sediment Conditions: Increased Sediment Quantity			, , ,	2.5 miles	
Spring/Summer Chinook	mainstem			-	2014 Sheep Creek Large Wood and Planting Project				
Snake River	Grande Ronde River upper mainstem	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 was incorrect.