

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 for Chinook.

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	1.1: Habitat Quantity: Anthropogenic Barriers	PA-1 Panjab Bridge Weir (2014)	85. Remove/Breach Fish Passage Barrier	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	16.09 miles	The rock weir built to protect the bridge was backwatered to eliminate drop. (Programmatic Report March 2015)
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-14 Riparian Planting: 9.73 acres replanted with trees and shrubs (2014)	47. Plant Vegetation	1403. # of riparian acres treated	9.73 acres	These were planting on access and staging areas but most of the areas were poorly vegetated by trees previously
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-15 - Riparian Planting: 8.1 acres along 0.63 miles of stream. Riparian planting with trees and shrubs (2014)	47. Plant Vegetation	1403. # of riparian acres treated	8.1 acres	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-22 LWD - Riparian Planting: 415 stems planted on 2 ac along 0.7 miles (2014)	47. Plant Vegetation	1403. # of riparian acres treated	2 acres	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-11 - Side Channel Enhancement: augmenting 1.56 m of side channel (2015)	30. Realign, Connect, and/or Create Channel	1752. # of miles of side channel treated in the freshwater non-tidal zone	1.56 miles	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-11 - Main Channel Habitat Creation: create and maintain bed form on 1.56 miles of river channel (2015)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.56 miles	2015 field measurements
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-11 - LWD Placement	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.56 miles of main and side channel enhanced with large wood (582 pieces in 113 multiple and single configurations) (2015)	EP look back action updated 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-24 - Enhance Main Channel Form: Modify channel bed and improve bed form 0.86 miles treated with wood structures to drive channel form. Creating 0.32 new side channels and enhancing 0.13 miles. (2015)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.86 miles	2015 field measurements
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-24 - Main Channel LWD Placement: place LWD over 0.86 miles of river habitat in 28 structures and 33 single log configurations with 498 logs (2015)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.86 miles	2015 field measurements
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-23 - Main Channel LWD Placement: Treatment of 0.98 miles with LWD. EST 12 structures with 36 key pieces (>6 m long .3cm dia) (2015)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.98 miles	2015 field measurements
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-10 Big-4 to Beaver Watson - LWD Placement	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.56 miles large wood placement (365 pieces > 6m long and 0.30 cm diam) with 80 log jams and single logs (2012)	EP look back action entered 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-10 Big-4 to Beaver Watson - Enhance Floodplain Connectivity: removed 0.1 miles of levee confinement, and created and reconnected 0.93 miles of side channel, treated the entire 1.56 miles for connectivity (2012)	180. Enhance Floodplain/Remove, Modify, Breach Dike	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1.56 miles	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-15 - Enhance Floodplain Connectivity: 0.63 miles of stream treated for connectivity with LWD placement and side channel creation and formation with 0.27 miles created and reconnected (2014)	180. Enhance Floodplain/Remove, Modify, Breach Dike	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	0.63 miles	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-15 - LWD Placement	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.63 miles treated with large wood (597 logs > 6m long and 0.3 cm diam) in 46 structures or one of 37 single logs placed (2015)	EP look back action updated 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-22 LWD - LWD Placement	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.01 miles treated with 36 pieces (> 6m long and 0.30 cm diam) in 8 log jams (2014)	EP look back action entered 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1B	Lower Tucannon - Mouth to Pataha	4.1: Riparian Condition: Riparian Vegetation	Riparian Planting (Reach 2 Project Area 40 (Tucannon Ranch Habitat Improvement) (#35-TU 13-1391)): 5.54 acres Planted over 0.24 miles and 2,600 stems (2014)	47. Plant Vegetation	1403. # of riparian acres treated	5.54 acres	2014 Field Survey SRSRB CCD
Snake River Spring/Summer Chinook	Tucannon River	TUC1B	Lower Tucannon - Mouth to Pataha	5.2: Peripheral and Transitional Habitats: Floodplain Condition	Tucannon Ranch Levee Setback	180. Enhance Floodplain/Remove, Modify, Breach Dike	1565. # of miles of dike removed or modified in the freshwater area	0.64 miles (2014)	EP look back action updated 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-1 - Enhance Floodplain Connectivity: Miles of Stream Treated for Channel Connectivity 0.59, Miles of Side Channel Created 0.36 and 0.02 miles augmented (2014)	180. Enhance Floodplain/Remove, Modify, Breach Dike	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	0.59 miles	Entire project length 0.59 miles
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-1 - Main Channel LWD Placement: Miles of Stream Treated for Channel Structure Placement 0.81 (includes main and side channel), with 51 structures placed using 231 key pieces (>6m long and 0.30 cm dia), 0.59 main channel and 0.22 in side channel (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.59 miles	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-3 - LWD Placement: 1.36 miles of stream treated with LWD placing 324 logs (>6m long &0.3cm Dia) into 46 LWD structures and single log configurations (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.36 miles	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-14 - LWD Placement: 1.64 miles of stream treated with LWD placing 712 logs (>6m long &0.3cm Dia) into 87 LWD structures and single log configurations (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.64 miles	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-14 - Enhance Floodplain Connectivity: 1.64 miles of stream treated for connectivity with LWD placement and side channel creation and formation with 1.39 miles created and reconnected. Another 0.22 miles were augmented. (2014)	180. Enhance Floodplain/Remove, Modify, Breach Dike	1441. # of miles of habitat accessed to the next upstream barrier(s) or likely limit of habitable range	1.64 miles	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-23 - Levee Removal	180. Enhance Floodplain/Remove, Modify, Breach Dike	1730. # of miles of dike removed or treated	Remove 0.98 miles of levee (2015)	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-24 - Create Side Channel	30. Realign, Connect, and/or Create Channel	1754. # of miles of side channel created in the freshwater non-tidal zone	0.86 miles of channel treated with wood structures to modify channel bed and improve bed form (2015)	
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	5.2: Peripheral and Transitional Habitats: Floodplain Condition	PA-3 - LWD Placement: 1.36 miles of stream treated with LWD placing 324 logs (>6m long &0.3cm Dia) into 46 LWD structures and single log configurations (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.36 miles	*Action credited to LF 5.2 at EP Lookback 10/28/15. Added 11/2. -MAH
Snake River Spring/Summer Chinook	Tucannon River	TUC1B	Lower Tucannon - Mouth to Pataha	6.2: Channel Structure and Form: Instream Structural Complexity	Side Channel LWD Placement (Reach 2 Project Area 40 (Tucannon Ranch Habitat Improvement) (#35-TU 13-1391)): LWD placement in side channel 0.35 and 24 structures (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.36 miles	Added to LF 6.2 per EP lookback 10/28/15.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-1 - Main Channel LWD Placement: Miles of Stream Treated for Channel Structure Placement 0.81 (includes main and side channel), with 51 structures placed using 231 key pieces (>6m long and 0.30 cm dia), 0.59 main channel and 0.22 in side channel (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.59 miles	Added per EP LB 11/10/15 - mh
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-3 - LWD Placement: 1.36 miles of stream treated with LWD placing 324 logs (>6m long &0.3cm Dia) into 46 LWD structures and single log configurations (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.36 miles	Added per EP LB 11/10/15. -mh
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-10 Big-4 to Beaver Watson - LWD Placement	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.56 miles treated with large wood (365 pieces >6m long and 0.30 cm dia) in a combination of 80 jams and single log placements (2012).	Added per EP LB 11/10/15. -mh

ESU	Population	Code	Assessment Unit	2012 Standardized Limiting Factor	Action	Work Element	Metric	Metric Plan Value	Plan Comment
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-14 - LWD Placement: 1.64 miles of stream treated with LWD placing 712 logs (>6m long &0.3cm Dia) into 87 LWD structures and single log configurations (2014)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.64 miles	Added per EP LB 11/10/15 - mh
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-15 - LWD Placement	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.63 miles of stream treated with large wood (597 pieces >6m long and 0.3 cm diam) into 46 LWD structures and 37 single log structures (2015)	Added per EP LB 11/10/15 -mh
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA-23 - Main Channel LWD Placement: Treatment of 0.98 miles with LWD. EST 12 structures with 36 key pieces (>6 m long .3cm dia) (2015)	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	0.98 miles	Added per EP LB 11/10/15 -mh
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA 22 LWD	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	1.01 miles	Added per EP look back 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.1: Channel Structure and Form: Bed and Channel Form	PA 26	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	3.2 miles	Added per EP look back 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA 1 Enhance Floodplain Connectivity	47. Plant Vegetation	1403. # of riparian acres treated	2 acres	EP look back entered 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-3 LWD Placement	47. Plant Vegetation	1403. # of riparian acres treated	1 acre	EP look back action entered 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-23 Howards	47. Plant Vegetation	1403. # of riparian acres treated	1 acre	EP look back action entered 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-11 Beaver Watson Lk to Deer Lk	47. Plant Vegetation	1403. # of riparian acres treated	5 acres	EP look back action entered 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-24 Howard	47. Plant Vegetation	1403. # of riparian acres treated	0.5 acre	EP look back action entered 7/20/2016
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	4.1: Riparian Condition: Riparian Vegetation	PA-26	47. Plant Vegetation	1403. # of riparian acres treated	44.27 acres	EP look back action entered 7/20/2016.
Snake River Spring/Summer Chinook	Tucannon River	TUC1A	Upper Tucannon - Pataha up to Panjab	6.2: Channel Structure and Form: Instream Structural Complexity	PA-26	29. Increase Aquatic and/or Floodplain Complexity	1387. # of miles of stream with improved complexity	3.2 miles	EP look back action entered 7/20/2016.