

**FINAL 2018 ACTION PLAN
WELLS HCP**

WELLS HCP COORDINATING COMMITTEE

- 1. Juvenile Fish Bypass**
 - a. Gas Abatement Plan (GAP) and Bypass Operating Plan (BOP) to CC..... 17 January 2018
 - b. CC comments on GAP/BOP to DCPUD 12 February 2018
 - c. CC approval of GAP/BOP 21 February 2018
 - d. Submit final GAP/BOP to FERC for approval 28 February 2018
 - e. 2018 Bypass operations at Wells9 April 2018 – 19 August 2018

- 2. Annual Monitoring of Juvenile Migration Run Timing**
 - a. 2018 draft passage-dates analysis and post-season bypass report to CC.....October 2018
 - b. CC approval of 2018 final reportNovember 2018

- 3. Fishway Outage Schedule for Fishway Inspection, Maintenance, and Fishway Projects**
 - a. West Fishway27 December 2017 – 18 January 2018
 - b. East Fishway29 January – 15 February 2018
 - c. Adult Fishway Trap Coordination Meeting..... April 2018

- 4. Multi-Year Sub-yearling Chinook Life-history Study**
 - a. Draft juvenile life-history report to CC April 2018
 - b. Final juvenile life-history reportJuly 2018

- 5. Review and Approval of 2018 Hatchery Broodstock Collection Protocol**
 - a. Draft protocol to CC for review 16 February 2018
 - b. CC approval of draft protocol 27 March 2018
 - c. Deadline for submission of protocol to NMFS..... 13 April 2018

- 6. Pikeminnow Control Program**
 - a. Draft 2017 pikeminnow report to HCP CC April 2018
 - b. Final 2017 pikeminnow report..... June 2018
 - c. 2018 Pikeminnow removal – Wells Project..... March – November 2018

- 7. Avian Protection Plan**
 - a. Bird Wire Inspection and Replacement February 2018
 - b. Bird Hazing.....April – August 2018

- 8. 2020 Survival Verification Study**
 - a. Select study species..... February 2018
 - b. Study Plan to HCP CC..... April 2018
 - c. CC approval of Study Plan June 2018
 - d. Collect Brood Stock for 2020 SVS2018

9. HCP Annual Report

- a. Draft 2017 annual report to DCPUD for review..... 11 January 2018
- b. Draft 2017 annual report to CC for 30-day review..... 7 February 2018
- c. CC comments on draft 2017 report due to Anchor QEA..... 7 March 2018
- d. Final 2017 annual report to DCPUD 22 March 2018
- e. Final 2017 annual report due to FERC 30 March 2018

WELLS HCP HATCHERY COMMITTEE

- 1. Implement 5-year Hatchery Monitoring and Evaluation (M&E) Plan**
 - a. Ongoing implementationJanuary – December 2018
 - b. Draft annual report for 2017 to Douglas PUD..... June 2018
 - c. Draft annual report to Hatchery Committee (HC) August 2018
 - d. Final annual report to HC September 2018
 - e. Draft 2019 implementation plan to HC July 2018
 - f. HC approval of final 2019 implementation planOctober 2018

- 2. Assessment of Precocial Maturation**
 - a. Methow Hatchery spring Chinook lethal sampling March 2018
 - b. Wells steelhead visual assessment April 2018

- 3. Twisp Population Study**
 - c. ImplementationSeptember – October 2018
 - d. 2014, 2015, 2016, 2017 Reports May 2018

- 4. Twisp Spring Chinook Egg-to-Fry Study**
 - a. Implement study.....January – June 2018
 - b. Draft report.....July 2018
 - c. Year-2 implementation (if necessary).....August 2018 – June 2019

- 5. 2018 Broodstock Collection Protocol**
 - a. Draft to HC for review 9 February 2018
 - b. HC approval of draft protocols 21 March 2018
 - c. CC approval of Wells Dam trapping operations 27 March 2018
 - d. Deadline for submission to NMFS 13 April 2018

- 6. Annual Implementation – Okanagan Sockeye Fish/Water Management Tools**
 - a. Water Year 2017-2018.....October 2017 – September 2018

- 7. Modernization of the Okanagan Sockeye Fish/Water Management Tools**
 - a. Phase 3 (Final)July 2017 – October 2018

- 8. Methow Steelhead Relative Reproductive Success Study**
 - a. ImplementationMarch 2010 – December 2021
 - b. Annual report on genetic analysis..... September/October 2018
 - c. Biological data in Annual M&E Report (above) September 2018
 - d. Final report..... 2021/2022

- 9. Hatchery Genetic Management Plans**
 - a. Receive new Wells steelhead hatchery permit.....*to be determined, 2018*
 - b. Receive new Wells summer Chinook hatchery permit.....*to be determined, 2018*

10. Wells Hatchery Modernization

- a. Complete construction punch-list June 2018
- b. Warranty items.....June 2018-June 2019
- c. As-Record Drawings..... June 2018
- d. Operations Manual.....July 2018
- e. Emergency Procedures Document..... December 2018
- f. Groundwater Optimization Program..... December 2018

11. Coho Hatchery Program

- a. Collect broodstock September/October 2018
- b. Incubate/rear at Wells Hatchery..... November 2018 – March 2019
- c. Divide Twisp Acclimation Pond to accommodate coho..... Fall 2018

12. Chief Joseph Hatchery Production

- a. Fund hatchery production (spring/summer Chinook).....2018
- b. Fund monitoring and evaluation2018

13. Hatchery Biosecurity Program

- a. Wells Hatchery..... April 2018
- b. Methow Hatchery..... April 2018
- c. Carlton Acclimation Pond..... April 2018

14. Methow Hatchery

- a. Operations Manual.....July 2018
- b. Methow Outfall Trap Modification June 2018
- c. Emergency Procedures Document..... December 2018
- d. Groundwater Optimization Program..... December 2018

WELLS HCP TRIBUTARY COMMITTEE

- 1. Plan Species Account Annual Contribution**
 - a. \$176,178 in 1998 dollars (\$275,968.08 in 2018 dollars)..... 15 January 2018

- 2. Annual Report - Plan Species Account Status**
 - a. Submittal of 2017 account-status report to Tributary Committee (TC): 22 January 2018
 - b. Integration into 2017 HCP Annual Report: February 2018

- 3. General Salmon Habitat Program**
 - a. Project review and funding January-December 2018

- 4. Small Project Program**
 - a. Project review and funding Decision January-December 2018