

**FINAL 2016 ACTION PLAN
WELLS HCP**

WELLS HCP COORDINATING COMMITTEE

1. Juvenile Fish Bypass

- a. Draft Bypass Operating Plan (BOP) to Coordinating Committee (CC)....mid-January 2016
- b. CC comments on draft BOP to DCPUD.....mid-February 2016
- c. Submit final BOP to FERC for approval February 24, 2015
- d. Draft post-season report to CCNovember 2016
- e. Final report..... December 2016

2. Pikeminnow Control Program

- a. Draft 2015 pikeminnow report to HCP CC January 2016
- b. Final 2015 pikeminnow report integrated into HCP Annual Report March 2016
- c. Pikeminnow removal – Wells Project.....March-November 2016

3. Sub-yearling Chinook Life-history Study

- a. Monitor fish tagged in 2011-2013 study years through adult returns..... December 2018
- b. 2011-14 draft juvenile life-history report and presentation to CC..... June 2016
- c. 2011-14 final juvenile life-history report..... September 2016

4. Annual Monitoring of Juvenile Migration Run Timing and Bypass Operations

- a. 2016 Skalski analysis of index and PIT-tag data from RR..... September 2016
- b. 2016 draft of Skalski’s report to DCPUD and CC.....October 2016
- c. 2016 CC approval of final report December 2016

5. Fish Passage and Count-station Maintenance

- a. Plug gaps around count station in the west ladder December 2015-January 2016
- b. Plug gaps around count station in the east ladder January-March 2016
- c. Install temporary “lamprey box” in east low-level entrance January-March 2016
- d. Install PIT-tag detection in lamprey boxes January-March 2016
- e. Install temporary lamprey enumeration structures December 2015-March 2016

6. Fishway Outage Schedule for Fishway Inspection, Maintenance, and Fishway Projects

- a. West Fishway..... December 1, 2015-January 2016
- b. East Fishway February-March, 2016

7. 2016 Lamprey Passage and Enumeration Study

- a. Study implementationJuly-October 2016
- b. Data analysis October 2016-June 2017

8. Bull Trout Passage Study

- a. Study plan development..... December 2015-January 2016
- b. Study plan to CC for review of passage effects February 2016
- c. CC approval of trapping plan..... March 2016
- d. Bull trout trapping and tagging (radio and PIT tags) May-July 2016
- e. Monitoring tagged fish..... June 2016-August 2017
- f. Aquatic SWG final report to CC.....November 2017

9. HCP Annual Report

- a. Draft 2015 annual report to DCPUD for review..... January 13, 2016
- b. Draft 2015 annual report to CC for 30-day review February 8, 2016
- c. CC comments on draft 2015 report due to Anchor QEA..... March 7, 2016
- d. Final 2015 annual report to DCPUD March 23, 2016
- e. Final 2015 annual report due to FERC March 31, 2016

10. Review and Approval of 2016 Hatchery Broodstock Collection Protocol

- a. Draft to CC:..... February 12, 2016
- b. CC approval of draft protocols March 23, 2016
- c. Deadline for submission to NMFS: April 15, 2016

11. Install and Test PIT-tag Detection in Spillway # 2 of the Wells Bypass System

- a. Biomark to install and evaluate prototype antenna..... January 2016
- b. Installation of full test system March 2016
- c. Test system with hatchery fish..... April 2016
- d. Monitor performance April 9-August 19, 2016
- e. Draft report on performance September 2016
- f. Final report on performance..... December 2016

WELLS HCP HATCHERY COMMITTEE

- 1. Implement 5-year Hatchery Monitoring and Evaluation (M&E) Plan**
 - a. Ongoing implementation January-December 2016
 - b. Draft annual report for 2015 to Douglas PUD..... June 2016
 - c. Draft annual report to Hatchery Committee (HC) August 2016
 - d. Final annual report to HC September 2016
 - e. Draft 2017 implementation plan to HC July 2016
 - f. HC approval of final 2017 implementation plan September 2016

- 2. Review of 5-year M&E report**
 - a. Review of report findings by M&E Plan objectiveOngoing
 - b. Deadline for identification and prioritization of studies or actions March 31, 2016
 - c. Implementation of selected studies or actions*to be determined*

- 3. 2016 Broodstock Collection Protocol**
 - a. Draft to HC for review February 8, 2016
 - b. HC approval of draft protocols March 16, 2016
 - c. Deadline for submission to NMFS April 15, 2016
 - d. ImplementationMay 2016 to April 2017

- 4. Annual Implementation – Okanagan Sockeye Fish/Water Management Tools**
 - a. Water Year 2015-2016..... October 2015-September 2016
 - b. Water Year 2016-2017..... October 2016-September 2017
 - c. Record of management decisions December 2016

- 5. Modernization of the Okanagan Sockeye Fish/Water Management Tools**
 - a. Phase 2October 2015-August 2016
 - b. Phase 3September 2016-August 2017
 - c. Project completion September 2017

- 6. Methow Steelhead Relative Reproductive Success Study**
 - a. Implementation: March 2010-December 2021
 - b. Annual report on genetic analysis:..... September/October 2016
 - c. Biological data in Annual M&E Report (above): September 2016
 - d. Final report:..... 2021/2022

- 7. Hatchery Genetic Management Plans**
 - a. Receive new Methow spring Chinook hatchery permit..... May 2016
 - b. Receive new Wells steelhead hatchery permit..... September 2016
 - c. Receive new Wells summer Chinook hatchery permit..... February 2017

- 8. Wells Hatchery Modernization**
 - a. Construction.....Ongoing
 - b. Estimated completion..... August 2017

WELLS HCP TRIBUTARY COMMITTEE

- 1. Plan Species Account Annual Contribution**
 - a. \$176,178 in 1998 dollars (estimated \$257,066 2016 dollars)..... January 2016

- 2. Annual Report - Plan Species Account Status, January to December 2015**
 - a. Draft to Tributary Committee (TC): January 2016
 - b. Approval deadline:..... February 2016
 - c. Integration into HCP Annual Report: February 2016

- 3. General Salmon Habitat Program**
 - a. Project review and funding Decision January-December 2016

- 4. Small Project Program**
 - a. Project review and funding Decision January-December 2016