

**FINAL 2017 ACTION PLAN  
WELLS HCP**

**WELLS HCP COORDINATING COMMITTEE**

- 1. Juvenile Fish Bypass**
  - a. Gas Abatement Plan (GAP) and Bypass Operating Plan (BOP) to CC..... 5 January 2017
  - b. CC comments on GAP/BOP to DCPUD ..... 6 February 2017
  - c. CC approval of GAP/BOP ..... 14 February 2017
  - d. Submit final GAP/BOP to FERC for approval ..... 28 February 2017
  - e. 2017 Bypass operations at Wells .....9 April 2017 – 19 August 2017
  
- 2. Annual Monitoring of Juvenile Migration Run Timing**
  - a. 2017 Skalski passage-dates analysis to DCPUD ..... September 2017
  - b. 2017 draft passage-dates analysis and post-season bypass report to CC.....October 2017
  - c. CC approval of 2017 final report ..... December 2017
  
- 3. Expand PIT-tag Detection in Spillway # 2 of the Wells Bypass System**
  - a. Biomark installation and testing of expanded system..... March 2017
  - b. Operation and performance monitoring.....9 April 2017 – 19 August 2017
  - c. Technical Advisory Memorandum to CC.....November 2017
  
- 4. Fishway Outage Schedule for Fishway Inspection, Maintenance, and Fishway Projects**
  - a. West Fishway ..... 15 November – 14 December 2017
  - b. East Fishway ..... 19 December 2017 – January 2018
  - c. Adult Fishway Trap Coordination Meeting..... April 2017
  
- 5. Multi-Year Sub-yearling Chinook Life-history Study**
  - a. Monitor fish tagged in 2011-2013 study years through adult returns..... December 2018
  - b. Draft juvenile life-history report to CC ..... June 2017
  - c. Final juvenile life-history report ..... September 2017
  - d. Draft and Final Life-History Report .....2019
  
- 6. Review and Approval of 2017 Hatchery Broodstock Collection Protocol**
  - a. Draft protocol to CC for review ..... February 17, 2017
  - b. CC approval of draft protocol ..... March 28, 2017
  - c. Deadline for submission of protocol to NMFS..... April 15, 2017
  
- 7. Pikeminnow Control Program**
  - a. Draft 2016 pikeminnow report to HCP CC ..... April 2017
  - b. Final 2016 pikeminnow report..... June 2017
  - c. Pikeminnow removal – Wells Project..... March – November 2017
  
- 8. 2020 Survival Verification Study**
  - a. Study Plan to HCP CC ..... September 2017
  - b. Approval of Study Plan..... December 2017

**9. HCP Annual Report**

- a. Draft 2016 annual report to DCPUD for review..... January 12, 2017
- b. Draft 2016 annual report to CC for 30-day review..... February 8, 2017
- c. CC comments on draft 2016 report due to Anchor QEA..... March 7, 2017
- d. Final 2016 annual report to DCPUD ..... March 23, 2017
- e. Final 2016 annual report due to FERC ..... March 31, 2017

## WELLS HCP HATCHERY COMMITTEE

- 1. Implement 5-year Hatchery Monitoring and Evaluation (M&E) Plan**
  - a. Ongoing implementation .....January – December 2017
  - b. Draft annual report for 2016 to Douglas PUD..... June 2017
  - c. Draft annual report to Hatchery Committee (HC) ..... August 2017
  - d. Final annual report to HC ..... September 2017
  - e. Draft 2018 implementation plan to HC ..... July 2017
  - f. HC approval of final 2018 implementation plan ..... September 2017
  - g. Develop new draft schedule for M&E Reporting ..... February 15, 2017
  - h. Final new schedule for M&E Reporting ..... March 15, 2017
  
- 2. Twisp Population Study**
  - a. Implementation .....September – October 2017
  - b. 2014, 2015, 2016 Reports .....October 2017
  
- 3. Spring Chinook Egg-to-Fry Study**
  - a. Develop study design ..... June 2017
  - b. Implement study ..... August 2017
  - c. Draft report ..... July 2018
  
- 4. 2017 Broodstock Collection Protocol**
  - a. Draft to HC for review ..... February 9, 2017
  - b. HC approval of draft protocols ..... March 15, 2017
  - c. CC approval of Wells Dam trapping operations ..... March 28, 2017
  - d. Deadline for submission to NMFS ..... April 15, 2017
  - e. Implementation ..... May 2017 to April 2018
  
- 5. Annual Implementation – Okanagan Sockeye Fish/Water Management Tools**
  - a. Water Year 2016-2017 ..... October 2016 – September 2017
  - b. Record of management decisions ..... December 2017
  
- 6. Modernization of the Okanagan Sockeye Fish/Water Management Tools**
  - a. Phase 2 ..... October 2016 – August 2017
  - b. Phase 3 (Final) ..... September 2017 – August 2018
  
- 7. Methow Steelhead Relative Reproductive Success Study**
  - a. Implementation ..... March 2010 – December 2021
  - b. Annual report on genetic analysis ..... September/October 2017
  - c. Biological data in Annual M&E Report (above) ..... September 2017
  - d. Final report ..... 2021/2022
  
- 8. Hatchery Genetic Management Plans**
  - a. Receive new Methow spring Chinook hatchery permit ..... February 2017
  - b. Implement new spring Chinook permit ..... 2017
  - c. Receive new Wells steelhead hatchery permit ..... *to be determined*
  - d. Receive new Wells summer Chinook hatchery permit ..... *to be determined*

**9. Wells Hatchery Modernization**

- a. Construction complete ..... August 31, 2017

**10. Coho Hatchery Program**

- a. Develop plans for dividing Twisp Acclimation Pond to accommodate coho .....2017

**11. Chief Joseph Hatchery Production**

- a. Hatchery Production (spring/summer Chinook).....2017
- b. Monitoring and Evaluation .....2017

**WELLS HCP TRIBUTARY COMMITTEE**

- 1. Plan Species Account Annual Contribution**
  - a. \$176,178 in 1998 dollars (\$267,771.65 in 2017 dollars)..... January 2017
  
- 2. Annual Report - Plan Species Account Status**
  - a. Submittal of 2016 account-status report to Tributary Committee (TC): ..... February 2017
  - b. Integration into 2016 HCP Annual Report: ..... February 2017
  
- 3. General Salmon Habitat Program**
  - a. Project review and funding ..... January-December 2017
  
- 4. Small Project Program**
  - a. Project review and funding Decision ..... January-December 2017