

**FINAL 2019 ACTION PLAN  
WELLS HCP**

**WELLS HCP COORDINATING COMMITTEE**

- 1. Juvenile Fish Bypass**
  - a. Gas Abatement Plan (GAP) and Bypass Operating Plan (BOP) to CC..... 18 January 2019
  - b. CC comments on GAP/BOP to DCPUD ..... 12 February 2019
  - c. CC approval of GAP/BOP ..... 21 February 2019
  - d. Submit final GAP/BOP to FERC for approval ..... 28 February 2019
  - e. 2019 Bypass operations at Wells .....9 April 2019 – 19 August 2019
  
- 2. Annual Monitoring of Juvenile Migration Run Timing**
  - a. 2019 draft passage-dates analysis and post-season bypass report to CC.....October 2019
  - b. CC approval of 2019 final report .....November 2019
  
- 3. Fishway Outage Schedule for Fishway Inspection, Maintenance, and Fishway Projects**
  - a. West Fishway ..... 12 February 2019 – 28 February 2019
  - b. East Fishway ..... 7 January – 5 February 2019
  - c. Adult Fishway Trap Coordination Meeting ..... April 2019
  
- 4. Multi-Year Sub-yearling Chinook Life-history Study**
  - a. Draft juvenile life-history report to CC ..... April 2019
  - b. Final juvenile life-history report ..... July 2019
  
- 5. Review and Approval of 2019 Hatchery Broodstock Collection Protocol**
  - a. Draft protocol to CC for review ..... 16 February 2019
  - b. CC approval of draft protocol ..... 27 March 2019
  - c. Deadline for submission of protocol to NMFS ..... 13 April 2019
  
- 6. Pikeminnow Control Program**
  - a. Draft 2018 pikeminnow report to HCP CC ..... April 2019
  - b. Final 2018 pikeminnow report ..... June 2019
  - c. 2019 Pikeminnow removal – Wells Project ..... March – November 2019
  
- 7. Avian Protection Plan**
  - a. Bird Hazing ..... April – August 2019
  
- 8. 2020 Survival Verification Study**
  - a. CC approval of Study Plan ..... January 2019
  - b. Obtain contract for implementation ..... Fall 2019
  - c. Obtain/set up equipment and infrastructure for implementation ..... Fall 2019-Spring 2020
  - d. Tag study fish ..... November 2019

**9. HCP Annual Report**

- a. Draft 2018 annual report to DCPUD for review..... 9 January 2019
- b. Draft 2018 annual report to CC for 30-day review..... 6 February 2019
- c. CC comments on draft 2018 report due to Anchor QEA..... 6 March 2019
- d. Final 2018 annual report to DCPUD ..... 21 March 2019
- e. Final 2018 annual report due to FERC ..... 30 March 2019

## WELLS HCP HATCHERY COMMITTEE

- 1. Implement 5-year Hatchery Monitoring and Evaluation (M&E) Plan**
  - a. Ongoing implementation .....January – December 2019
  - b. Draft annual report for 2018 to Douglas PUD.....July 2019
  - c. Draft annual report to Hatchery Committee (HC) ..... September 2019
  - d. Final annual report to HC .....November 2019
  - e. Draft 2020 implementation plan to HC .....July 2019
  - f. HC approval of final 2020 implementation plan .....October 2019
  
- 2. Assessment of Precocial Maturation or Residualism**
  - a. Methow Hatchery spring Chinook lethal sampling ..... March 2019
  - b. Wells steelhead visual assessment ..... April 2019
  
- 3. Twisp Population Study**
  - a. Implementation (to be determined).....September – October 2019
  - b. 2014, 2015, 2016, 2017, 2018 Reports ..... June 2019
  
- 4. 2019 Broodstock Collection Protocol**
  - a. Draft to HC for review ..... 9 February 2019
  - b. HC approval of draft protocols ..... 21 March 2019
  - c. CC approval of Wells Dam trapping operations ..... 27 March 2019
  - d. Deadline for submission to NMFS ..... 13 April 2019
  
- 5. Annual Implementation – Okanagan Sockeye Fish/Water Management Tools**
  - a. Water Year 2017-2019.....October 2018 – September 2019
  - b. Incubation Protection and Emergency Monitoring.....January – April 2019
  - c. Redd Scour Prevention Activities ..... April-May 2019
  - d. Optimization of Limnetic Rearing Environment ..... July-September 2019
  - e. Sockeye Spawning Protection Levels ..... October-November 2019
  - f. Kokanee Elevation and Protection Levels ..... October-November 2019
  - g. Water Budget (Snowtel, River and Lake Gage, Withdrawals) ... January – December 2019
  
- 6. Methow Steelhead Relative Reproductive Success Study**
  - a. Implementation .....March 2010 – December 2021
  - b. Annual report on genetic analysis..... September/October 2019
  - c. Biological data in Annual M&E Report (above) ..... September 2019
  - d. Final report..... 2021/2022
  
- 7. Hatchery Genetic Management Plans**
  - a. Receive new Wells steelhead hatchery permit.....*to be determined, 2019*
  - b. Receive new Wells summer Chinook hatchery permit.....*to be determined, 2019*
  
- 8. Chief Joseph Hatchery Production**
  - a. Fund hatchery production (spring/summer Chinook).....2019
  - b. Fund monitoring and evaluation .....2019

**WELLS HCP TRIBUTARY COMMITTEE**

- 1. Plan Species Account Annual Contribution**
  - a. \$176,178 in 1998 dollars (\$284,793.79 in 2019 dollars)..... 11 January 2019
  
- 2. Annual Report - Plan Species Account Status**
  - a. Submittal of 2018 account-status report to Tributary Committee (TC): ..... 3 January 2019
  - b. Integration into 2018 HCP Annual Report: ..... January 2019
  
- 3. General Salmon Habitat Program**
  - a. Project review and funding ..... January-December 2019
  
- 4. Small Project Program**
  - a. Project review and funding Decision ..... January-December 2019