

2015 AQUATIC SETTLEMENT AGREEMENT AND WORKGROUP ACTION PLAN

A) Annual Report and Webpage

1. Distribute Aquatic Settlement Agreement Annual Report to ASWG, BIA and NMFS **March 30, 2015**
2. Final Annual Report approved by ASWG and NMFS **April 30, 2015**
3. Annual Report filed with FERC **May 28, 2015**
4. Maintain Aquatic Settlement Web Portal/Database **Throughout 2015**
5. Maintain/Update public website **Throughout 2015**

B) White Sturgeon MP

1. Continue rearing juvenile sturgeon **Throughout 2015**
2. Develop sturgeon stocking plan **February 2015**
3. Juvenile sturgeon tagging/marking **February-March 2015**
4. Release juvenile sturgeon with public participation **June 2015**
5. Larvae and brood collection for 2016 release **June-July 2015**
6. Rearing of juvenile sturgeon for 2016 release **June-December 2015**
7. Monitoring and Evaluation Program **June and September 2015**
8. Technical participation in regional forums **Throughout 2015**
9. Incorporate White Sturgeon MP activities into Aquatic SA Annual Report to FERC **March 2015**

C) Bull Trout MP

1. Twisp Weir Operations Plan **February/March 2015**
2. Stranding surveys as necessary (only implemented at reservoir elevations below 773' MSL; Up to five) **Throughout 2015**
3. PIT tag bull trout captured during HCP broodstock actions at Wells Dam **Throughout 2015**
4. Enumerate bull trout in Wells Dam count windows **Throughout 2015**
5. Monitor (via counts) for sub-adults at Wells Dam (>10/year triggers additional measures) **Throughout 2015**
6. ESA bull trout incidental take report to the FWS for review and approval **April 2015**
7. ESA bull trout incidental take report to the FERC **May 2015**
8. PIT tag and enumerate bull trout captured at the Twisp Weir. **May-August 2015**
9. Bull trout salvage during ladder maintenance **January/December 2015**
10. Recovery planning participation/regional coordination **Throughout 2015**
11. Incorporate 2014 Bull Trout MP activities and incidental take monitoring into Aquatic SA annual Report to FERC **March 2015**

D) Water Quality MP

1. 2014 Gas Abatement Plan (GAP) Report to ASWG and NMFS for review **January 2015**
2. 2014 Gas Abatement Plan Report approval **February 11 2015**
3. 2014 Gas Abatement Plan Report filed with FERC **February 27 2015**

4. Update the QAPP at the request of the ASWG **throughout 2015.**

5. 2015 Gas Abatement Plan approval **February 11 2015**
6. 2015 Gas Abatement Plan filed with FERC for approval **February 28 2015**
7. Year-round TDG monitoring at three locations (hourly with web-accessibility) **Throughout 2015**

8. Real-time temperature monitoring (hourly with web-accessibility) **Throughout 2015**
9. 2014 Water Temperature Report to ASWG and HCP CC for comments **February 28 2015**
10. 2014 Water Temperature Report approval **March 2015**
11. 2014 Water Temperature Report to FERC for approval **April 30 2015**

12. Water Quality Attainment Plan (WQAP) implementation **Throughout 2015**

13. Ecology approval of Reasonable and Feasible Measures Plan **February 2015**

14. Water Quality Protection Plan, as needed (60 d before action), for Future Construction Activities **June 2015**

15. Participate in WQ forums (e.g.,TMDL, Columbia River Treaty, STT-WQ, CSR-SRI, etc.) **Throughout 2015**

16. Incorporate Water Quality MP Activities into Aquatic SA Annual Report to FERC **March 2015**

E) Pacific Lamprey MP

1. Install lamprey entrance/passage structures (Lower collection gallery side entrance and count window) **January/February 2015**
2. Fill gaps in and around count window **February 2015**
3. Add antennas (PIT and Radio) in fishways **January/February 2015**

4. Draft Juvenile Lamprey Habitat Evaluation Study Plan to ASWG **April 2015**
5. Conduct Juvenile Lamprey Habitat Evaluation **June-Sept 2015**
6. Send draft Juvenile Lamprey Habitat Evaluation Report to Aquatic SWG **November 2015**
7. Approval Juvenile Lamprey Habitat Evaluation Report to Aquatic SWG **December 2015**

8. Conduct 2015 Pacific Lamprey Passage and Enumeration Study **July-October 2015**
9. Send draft Pacific Lamprey Passage and Enumeration Study to Aquatic SWG **December 2015**
10. Nightly modification of head differential in collection gallery **August/September 2015**

11. Ladder salvage during winter maintenance **December 2015**
12. Fishway inspection, if requested **December 2015**
13. Regional participation in forums and technical information sharing **Throughout 2015**
14. Incorporate Pacific Lamprey MP activities into Aquatic SA Annual Report to FERC **March 2015**

F) Aquatic Nuisance Species MP

1. ANS pamphlets at Wells Project boat launches and visitor overlook **Throughout 2015**
2. Zebra mussel monitoring with substrate mats and plankton tows **April-October 2015**
3. Crayfish incidental captures database management **Throughout 2015**
4. Crayfish monitoring **August-September 2015**
5. Milfoil monitoring adjacent to recreation sites **Summer 2015**
6. Regional coordination **Throughout 2015**
7. Incorporate ANS MP activities into Aquatic SA annual Report to FERC **March 2015**

G) Resident Fish MP

1. Draft 2014 Resident Fish Study Report to ASWG **February 2015**
2. 2014 Pikeminnow Report to ASWG and HCP CC for review **March 2015**
3. 2014 Pikeminnow Report incorporated into Aquatic SA Annual Report to FERC **March 2015**
4. 2015 Pikeminnow control activities **March-November 2015**
5. Regional coordination **Throughout 2015**
6. Incorporate Resident Fish MP Activities into Aquatic SA Annual Report to FERC **March 2015**