



Chief Joseph Hatchery 2016 Annual Program Review

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The Goals for Okanogan Basin Summer-Fall Chinook are to:

- Increase abundance, productivity, and temporal-spatial diversity of naturally spawning Chinook in the Okanogan Basin*
- Increase harvest for all fishers*

The Purpose of the CJH Summer/fall Chinook Program is to:

- Increase harvest consistent with the natural production goals*
- Support re-colonization of habitat*

The Goals for Okanogan Basin Spring Chinook are to:

- *Restore a harvestable, sustainable naturally spawning spring Chinook population in the Okanogan Basin*
- *Harvest for all fishers*
- *Contribute to recovery of the UCR ESU*

The Purpose of the CJH Spring Chinook Program is to:

- *Re-colonize habitat in Okanogan*
- *Provide harvest consistent with the natural production goals*

Program Commitments

- *Adaptively manage Program consistent with “Decision Rules” and “Biological Targets” by adjusting smolt production and broodstock management to meet targets for:*
 - *pHOS, NOR escapement, pNOB, PNI, and Stray rates*
- *Achieve FCRPS and PUD mitigation production*

2016 APR Focus Presentations

- Address Key Management Questions
 - What is the current status and recent historical trend of the naturally-spawning population in terms of Viable Salmonid Population (VSP) parameters?
 - What is the current status and recent historical trend for hatchery returns and harvest?
 - Is the hatchery program meeting target in-hatchery performance standards?
 - Are the hatchery post-release targets met for survival and total catch contribution?
 - Are targets for catch contribution and selectivity for HORs met in Fisheries above Wells Dam?

2016 APR Focus Presentations (Cont.)

- Are CJH Program benefits consistent with conservation of summer/fall and spring Chinook natural populations?
- Are assumptions about natural production potential valid?
- How should the program be operated in the coming year (management targets for pNOB, PNI, pHOS)?

2016 APR Outcomes

- Facilitate Adaptive Management Within Scientific Framework
 - Assess the validity of Program Key Assumptions
 - Adjust Program Key Assumptions if warranted
 - Provide and update Program Biological Targets, consistent with Program Key Assumptions and hatchery and population status and trends
 - Annually, utilize the In-Season Implementation Tool (ISIT) to adaptively manage the program