



# **Klickitat Management, Data & Habitat (YKFP) Annual Report for Project Activities from 1/1/2015 to 12/31/2016**

BPA Project # 1988-120-35

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**Report was completed under BPA contract #(s) 56662 REL 91**

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THE CONFEDERATED TRIBES AND BANDS OF  
THE YAKAMA NATION  
Toppenish, WA 98948

April 2018

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## **Executive Summary**

This Klickitat Management, Data & Habitat project (1988-120-35) is the overall umbrella for the Yakima/Klickitat Fisheries Project (YKFP) activities in the Klickitat Subbasin which includes a number of sub-projects that address facilities operations and maintenance (O&M); research, monitoring and evaluation (RME); and habitat protection and enhancement activities (KWEP). This project includes the overall management and administration, as well as the data management and habitat coordination efforts for the YKFP activities in the Klickitat Subbasin. This report summarizes project achievements relative to management oversight, policy development, project planning, administrative support, data management, communication of science results (project annual review, peer-reviewed publications), and watershed planning. Klickitat YKFP-related sub-projects include:

- Klickitat Basin R,M&E (1995-063-35);
- Klickitat Watershed Enhancement (1997-056-00);
- Klickitat Operations and Maintenance (1997-013-35);
- Klickitat River Design & Construction – Capital (1988-115-35);
- Klickitat River Design & Construction - Expense (1988-115-35).

## **Introduction**

The Yakima/Klickitat Fisheries Project (YKFP or Project) is split into several sub-projects as listed above. The Management, Data & Habitat project includes the overall management and administration, education & outreach, and data management of the YKFP program. This project provides for all Yakama Nation (YN) management and coordination functions associated with the YKFP in the Klickitat Subbasin. The YKFP was established in a 1994 Memorandum of Agreement with the Washington Department of Fish and Wildlife (WDFW) project co-manager) to implement and evaluate artificial propagation methods used to restore and rebuild anadromous fish populations in the Yakima and Klickitat subbasins.

On June 3, 2003 the YN and the WDFW signed a Memorandum of Understanding which set forth the responsibilities of the YN and the WDFW regarding the transfer of Lyle Falls Fishway #5, Castile Falls Fishway, and the Klickitat Hatchery administration and operations from WDFW to the YN under the YKFP.

The YKFP is a complex and comprehensive project that requires significant management and administrative resources. It includes fish production and research facilities and numerous research programs. The YN serves as the YKFP “Lead Agency” and is responsible for implementation of all YKFP programs; including managing and directing YKFP project employees, associated project budgets, and

ensuring the quality and efficiency of project activities. In broad categories, the Yakama Nation is responsible to implement and coordinate:

1. Project planning activities, including those pertaining to facility construction and modifications;
2. Operation and maintenance activities at all YKFP facilities;
3. Project research activities including production of scientific reports and publications;
4. Design and development of a centralized database for Project use and dissemination to others;
5. Prioritizing and selecting habitat restoration and protection projects within the Klickitat Subbasin;
6. Development and submittal of funding proposals that ensure consistency with the 2008 MOA between the three Treaty Tribes and the FCRPS Action Agencies, and sufficient funding for YKFP operations.

To meet its lead agency responsibilities, the YN employs project staff including managers, scientists, watershed planner, data analyst, and office support personnel. Project management personnel works out of the YKFP's Central Office in Toppenish, Washington; the Wahkiacus Field Office houses scientists and technicians engaged in monitoring and evaluation, habitat management and data management activities for the Klickitat Subbasin. The YKFP also operates two fish passage facilities and a NOAA funded hatchery facility in the Klickitat.

This Management, Data & Habitat contract funds the activities of YKFP executive management, project coordination and administrative staff necessary for discharging these responsibilities, including administrative support for day-to-day YKFP operations in the Klickitat Subbasin. Management services funded by this contract include oversight and support of the following YKFP programs:

- Klickitat Basin R,M&E (1995-063-35);
- Klickitat Watershed Enhancement (1997-056-00);
- Klickitat Operations and Maintenance (1997-013-35);
- Klickitat River Design & Construction – Capital (1988-115-35);
- Klickitat River Design & Construction - Expense (1988-115-35).

The success of all YKFP projects depends on the established administrative structure and funding provided by this contract. The YN's management and coordination responsibilities are expected to continue through and beyond the contract performance period. This umbrella management approach was developed through discussions with the Bonneville Power Administration (BPA) and the Northwest Power and Conservation Council (NPCC). WDFW participates in YKFP management through BPA Project 1995-064-25, YKFP Policy/Technical Involvement/Planning.

This contract has eight primary objectives:

1. Provide comprehensive management oversight of the implementation of YKFP activities.
2. Support YN policy development related to YKFP activities in the Klickitat Subbasin.
3. Coordinate and/or perform all tasks necessary to the development of project planning documents.
4. Provide required administrative support for Project operations, including financial management and accountability, and technical review.
5. Design, develop and manage YKFP's Data and Information System.
6. Schedule and conduct the YKFP's Columbia Gorge Fisheries and Watershed Science Conference, which often includes presentations by project scientists and regional partners.
7. Participate in watershed planning, protection and restoration initiatives by various agencies, groups and committees.
8. Participate in and develop education & outreach activities in the Klickitat Subbasin to inform the local community of the YKFP project and foster stewardship of aquatic resources.

## **1. Provide comprehensive management oversight of the implementation of YKFP activities.**

**Methods:** The YKFP is co-managed by the YN and the WDFW. The Project is controlled by the Policy Group, which is made up of one representative appointed by YN and one representative appointed by WDFW. The Policy Group is responsible for policy development and planning. Annual planning documents are reviewed and approved by the YKFP's Policy Group. The Project's Science Technical Advisory Committee (STAC), consists of senior biologists from the YN and WDFW, and advises the Policy Group. The Policy Group works closely with BPA on funding and NEPA issues.

**Results and Discussion:** The YKFP Policy Group generally meets monthly to review project-related activities and to discuss and address issues as they arise. Minutes of meetings conducted during this project period (Jan. 1, 2015-Dec. 31, 2016) are captured for both Yakima Basin and Klickitat Basin activities are presented in Appendix B.

## **2. Support YN policy development related to YKFP activities in the Klickitat Subbasin.**

**Methods:** Maintain Project policy development activities at a level that enables effective management of the YKFP. Coordinate the development of policies pertaining to Project activities, and ensure adequate oversight of said policies by YN elected officials and administration. Represent the YKFP in relations with other governments, organizations or entities affecting Project performance. As a co-managed project, it is essential that the YN and WDFW maintain adequate participation in NPCC processes and other activities that affect the Project.

**Results and Discussion:** Key activities in the region that necessitated active YKFP involvement included the NPCC's Fish and Wildlife Program amendment process, and several other NPCC efforts such as Integrated Status and Effectiveness Monitoring Program (ISEMP), Action Effectiveness Monitoring of Tributary Habitat Improvement (AEM), and review of Columbia Habitat Monitoring Program (CHaMP) (Project #2011-006-00) . In addition, YKFP was actively engaged in NOAA's development of the "Final Environmental Impact Statement to Inform Columbia River Basin Hatchery Operations and the Funding of Mitchell Act Hatchery Programs." Both activities addressed matters that concerned the role of existing and future hatcheries in addressing fisheries mitigation requirements, and could potentially affect the scientific and regulatory framework and funding

requirements for effective and adequate production. On the subbasin level, YKFP staff coordinated with the Region 5 of WDFW to address local habitat issues, spring Chinook fishery regulations as they relate to hatchery broodstock escapement, and Hydraulic permitting for both the O&M and M&E projects. Staff worked directly with Washington Department of Ecology to engage in the Shoreline Master Planning process to protect streambanks and ecological function, as well as bring to their attention to potential shoreline issues as they were observed by YKFP staff. Staff provided fisheries information to the Columbia Land Trust to aid proposal development to protect approximately 2,400 acres in the mid-basin. In addition, YKFP worked closely with Klickitat County, Governor's Salmon Recovery Office, and other regional entities and stakeholders as part of ongoing regional planning efforts (NOAA Recovery Steering Committee Forum, SRFB technical Advisory Group), to strengthen and advance YKFP habitat restoration and fisheries efforts. On a local level, the YKFP continued to track local government decisions on land use matters (e.g. Klickitat County land use--comprehensive plan updates, critical areas and shoreline updates) that affect aquatic health, habitat and carrying capacity of streams.

Key documents developed during this reporting period include:

- ISRP response issued to BPA and NPCC/ISRP.
- Klickitat Master Plan update issues to NPCC in late July 2012. This draft document was used to guide FEIS planning to be consistent with NEPA documentation and NOAA's Hatchery Genetic Management Plan (HGMP) development.

Staff participated in climate change forums and training seminars in the region, to stay up to date on the latest climate research, in order to make informed decisions to guide adaptation strategies and project proposals. Project managers use this information to develop projects that target and attempt to ameliorate climate impacts, such as wet meadow and floodplain restoration projects.

Project staff participated on NPCC/BPA review of O&M projects in the region. A tour was conducted of the Lyle Falls Adult Trap in the fall of 2016. Castile Falls Facility was inaccessible and postponed until a later date. Project staff are tracking NPCC O&M review which is scheduled for completion in 2017. This effort appears to highlight costsharing as a means to fund mitigation efforts. YKFP will be working with BPA, NOAA and others to investigate costsharing opportunities to support Hatchery O&M in 2017.

Project staff engaged in early discussion with NOAA and regional partners of their Columbia Basin Partnership forum to evaluate YN or YKFP level of participation. YKFP staff provided input to senior staff that YN policy level partition would be appropriate moving forward.

### 3. Coordinate and/or perform all tasks necessary to the development of project planning documents.

**Methods:** Maintain Project planning activities at a level that enables effective management of the YKFP. This proposal supports all YKFP planning functions for the Klickitat Subbasin. Coordinate necessary planning activities conducted by the YKFP, and represent the YN in all matters pertaining to these activities. Implement the YKFP's adaptive management policy by maintaining and keeping current all Project planning, operations, and YKFP decision documents. Coordinate these functions with the co-manager, science and technical advisory committee (STAC), and other agencies, as necessary.

**Results and Discussion:** Project personnel updated the Klickitat River Anadromous Fisheries Master Plan, and Hatchery Genetic Management Plans as hatchery reform efforts and hatchery infrastructure planning was advanced. These activities included updating document language as BPA defined funding guidelines for Klickitat fall Chinook and Coho production. In early 2015 MD&H staff continued to engage NMFS on implemented or in-progress projects for its Salmon Recovery Implementation Tracking System.

- Staff provided technical information, assisted in development and editing the Biological Opinion report for BPA on Mid-C Steelhead in the Klickitat basin.
- Updated Hatchery Genetics Management Plans for NOAA Mitchell Act EIS purposes.
- Scientific review of NOAA Pacific Coastal Salmon Recovery Funding (PCSRF) funding proposals as requested by Columbia River Intertribal Fish Commission (CRITFC).
- KMP planning for Klickitat Hatchery improvements and upgrades included reviewing KMP and EIS, with guidance provided by ISRP and BPA staff.
- Coordinated with Washington State Parks and Recreation to identify habitat restoration actions (i.e. floodplain reconnection) within their rails-to-trails corridor.
- Involvement in SRFB local technical committee for proposed habitat project review and ranking.
- Coordinated with USFS Wild & Scenic River staff to evaluate shoreline conditions for consistency with the Wild & Scenic River Act (Rm 10.4 to mouth).
- Participated in *US v OR* Production Advisory Committee and Policy Committee meetings.



- KMP planning for Klickitat Hatchery improvements and upgrades included reviewing KMP and EIS, editing and responding to the ISRP and BPA comments
- Assisted in completing HGMP for reformed Klickitat Hatchery program
- Scientific review of PCSRF funding proposals as requested by CRITFC
- Review of BPA's Programmatic Approach to Habitat Effectiveness Monitoring, and implication to YN's ongoing Tepee Creek Food Web Study.
- Planned and participated in Klickitat tour with NOAA's Assistant Regional Administrator.

#### **4. Provide required administrative support for Project operations, including financial management, accountability and technical review.**

**Methods:** The financial management/compliance monitoring of YKFP and BPA contracts requires extensive attention and effort. The compliance, accountability and contracting requirements are internal for both the YN and BPA. The administrative support component of the contract provides necessary personnel to perform secretarial, bookkeeping, accounting, and reporting tasks on a timely basis.

**Results and Discussion:** Quarterly reports, operational budget modifications, and year-end closeouts were completed as necessary. Project staff have engaged in preliminary planning efforts to assess Accord project status/drawdown, and post-Accord strategic planning.

#### **5. Design, develop and manage YKFP's Data and Information System.**

**Methods:** One of the YKFP's primary objectives is to provide knowledge about supplementation to resource managers and scientists throughout the Columbia River basin, so that it may be used to mitigate effects of hydroelectric operations on anadromous fisheries. The goal of this objective is to standardize, consolidate, centralize, and make accessible all data and information that is generated by the YKFP. The data and information management systems produced by this effort will be designed to ensure compatibility with BPA and NPCC electronic data and reporting requirements. Also, an efficient, affordable data transmission system will be designed that will allow appropriate personnel and scientists access to the data.

To ensure quality control, standardization, and proper storage procedures for all data and information collected, the YKFP will:

- Develop a standardized data management and quality control system consistent with the volume and diversity of the data collected;
- Supervise the reformatting and inputting of all data into a standardized system; and,
- Meet and coordinate with BPA representatives to review the database system's compatibility with existing BPA and NPCC data management systems.

The YKFP will maintain and update a data and information management and transmission system capable of handling the YKFP's existing and future generated data and information. The YKFP will further develop and enhance a web site ([ykfp.org](http://ykfp.org)) consistent with regional standards. This system is accessible to appropriate researchers. YKFP data banks may be accessed by contacting project personnel, or electronically at [ykfp.org](http://ykfp.org).

Project data are generally entered into data collection forms using Microsoft Access and Visual Basic software. In most instances software procedures are in place to automatically capture detected PIT tag data and incorporate it into the Access form/table. This prevents data entry error. One data manager is employed, for the Klickitat Subbasin. This data manager oversees the maintenance, development, quality control, and backup of these databases. To the maximum extent possible, data are integrated with regional databases (e.g., PTAGIS, RMIS, etc.) as noted above. The YN is working with CRITFC and the Tribal Data Network project to employ data stewards who will assist us with continued development and improvement of data collection, exchange, and sharing strategies and tools.

## **Results and Discussion:**

Major data management accomplishments to date include:

- Development and maintenance of [ykfp.org](http://ykfp.org) web site to host information relating to Klickitat Basin project activities including: redd counts, juvenile and adult migration counts, habitat monitoring, technical reports and publications, project review/conference information, etc.
- Integration of PIT and CWT release and recovery data with [PTAGIS](http://PTAGIS), [RMPC](http://RMPC), and [Fish Passage Center](http://Fish Passage Center) databases
- Production and support of data bases necessary to support BPA quarterly and annual reports (available via Pisces and [cbfish.org](http://cbfish.org))
- Production and support of data bases necessary to support NPCC project proposals (available via [CBfish.org](http://CBfish.org))
- Development and maintenance of databases to support the following M&E data collection activities: Klickitat habitat surveys; Lyle Falls adult trap counts; Klickitat smolt trap counts; Klickitat stream temperature and sediment data;

- Development of GIS maps as needed to support YNFP activities
- Development and maintenance of spreadsheets to summarize and track annual trends in above data
- Maintenance of hardware and software necessary to support the above, and continuous evaluation, testing, and implementation of new technologies that promise increased data management potential.
  - The Windows Domain controllers at the Klickitat Field Office were upgraded, allowing us to raise out local domain to a newer network functional level.
  - Implementation and testing of new technologies to provide for automated off site data backups between YKFP facilities has progressed significantly.

Project metadata are contained in information system management plans developed for each subbasin (Yakima and Klickitat) as well as in accompanying Microsoft Word documentation files for each database. Data sources for all tables and figures included in project annual reports are also well documented in accompanying Microsoft Word documentation files. To the maximum extent practical data managers are attempting to remain current and comply with available regional standards.

In addition to the above, the YKFP has and continues to share data in the following ways:

- Annual Yakima Basin and Klickitat Basin Science and Management Conferences
- Direct e-mails with those requesting project data. Entities with whom we have directly shared YKFP project information include: the Washington Department of Fish and Wildlife, the United States Fish and Wildlife Service, the US Forest Service NorWest Stream Temperature Project, the National Oceanic and Atmospheric Administration – National Marine Fisheries Service, U.S. Geological Survey, Pacific States Marine Fisheries Commission, Klickitat Salmon Recovery Lead Entity, Columbia River Inter-Tribal Fish Commission, Mobrand, Jones, and Stokes, and several other consultants and contractors.

## **6. Schedule and conduct the YKFP-sponsored Columbia Gorge Fisheries and Watershed Science Conference, which includes presentations by project scientists and regional experts.**

**Methods:** An explicit goal of the YKFP is to provide knowledge about the use of hatchery production so that it may be used to mitigate effects on anadromous fisheries throughout the Columbia River Basin. The agenda, abstracts, and presentations from the conference are posted to the YKFP-Klickitat web site and provide an accurate and complete record of the proceedings. Conference records

afford the opportunity to employ adaptive management and assist the Policy Group in Project planning and management activities.

### **Results and Discussion:**

The 2015 Columbia Gorge Fisheries and Watershed Science Conference was held on April 14, 2015 and the results are available [here](#).

The 2016 Columbia Gorge Fisheries and Watershed Science Conference was held on April 19, 2016 and the results are available [here](#).

Klickitat Project annual reports associated with the umbrella project are identified here and linked to their annual report for this reporting period:

- YKFP Klickitat M&E 1995-063-35 Annual Report.
- YKFP Klickitat Watershed Enhancement Project 1997-056-00 Annual Report.
- YKFP Klickitat Operations and Maintenance 1997-013-35 Annual Report.

<https://www.cbfish.org/Document.mvc/Viewer/P148450>

During this reporting period, through the YKFP Klickitat M&E Project (1995-063-35) the following scientific journal article was submitted to and accepted by the North American Journal of Fisheries Management:

Keep, S.G., M.B. Allen, and J.S. Zendt. 2015. Comparison of electronarcosis and carbon dioxide sedation effects on travel time in adult Chinook and coho salmon. North American Journal of Fisheries Management, 35:5, 906-912. <http://dx.doi.org/10.1080/02755947.2015.1069427>

### **7. Participate in watershed planning, protection and restoration initiatives by various agencies, groups and committees.**

**Methods:** Ensure that environmental compliance procedures and documentation are managed consistent with subbasin and watershed planning and recovery documents. Promote and implement restoration, passage, screening and protection projects. Participate in watershed management forums. Provide comments on land use projects as applicable to watershed stewardship.

**Results and Discussion:** Staff participated in ongoing Gorge- or region-wide, multi-basin, multi-agency efforts such as the Columbia Gorge Cooperative Weed Management Area and the Interagency Sustainable Recreation Strategy Team, spearheaded by the USFS National Scenic Area, 5-year status review update for Mid-Columbia steelhead with NMFS' assembled interagency team. Land use coordination occurred on various site-specific land use proposals and more general planning processes, shoreline master program and comprehensive plan updates, and critical areas protection standards. YKFP project staff restored habitats in the Klickitat Subbasin directly or in conjunction with project partners. Highlights during this reporting period include, completion of Haul Road Phase #4 and design and implementation of Phase #5 in the mid-basin area to restore floodplain function and off-channel habitats. Elsewhere in the mid-basin, YKFP staff continued work on the White/Teepee Creek Food Web Study in order to address effectiveness of habitat actions. In the upper basin YKFP staff replace undersized bridge with larger span and improved local habitat conditions to improve hydrologic function for spawning and rearing conditions. Additional information can be found in these projects and other accomplishments in Klickitat Watershed Enhancement Project (#1997-056-00) annual reports.

## **8. Participate in and develop education & outreach activities in the Klickitat Subbasin to inform the local community of the YKFP project and foster stewardship of aquatic resources. [SITC, Water Jam, etc.]**

**Methods:** Expansion of the YKFP in the Klickitat Subbasin affords the opportunity to assist in ongoing educational outreach into the local community. Project staff will partner with the USFWS- Columbia Gorge Information and Education Office (<http://www.fws.gov/gorgefish/General/education2.htm>) and local teachers to provide outreach activities that are informative, relevant to the local community, promote involvement, and improve stewardship of our natural resources.

### **Results and Discussion:**

The Salmon in the Classroom program, a partnership between the USFWS and YN has been running successfully for a number of years, providing in-class tanks for basin schools as well as varied offerings of in-class learning about the watersheds and the water cycle, salmon life cycle, adaptation and habitat. The fish are released at the end of the session at Klickitat Hatchery by the students in a field trip that also includes a hatchery tour. Staff also delivers "Culture of Salmon" talks reviewing natural and cultural history of the area as it relates to the relationship of Yakama people to salmon.

to schools participating in SITC. The SITC season culminates with Water Jam, a two-day multi-agency outdoor learning event that seeks to reinforce with fun, hands-on activities all the salmon-related learning for area 4<sup>th</sup> and 5<sup>th</sup> (and occasionally 6<sup>th</sup>) grade students. YN provided a tribal storyteller station, a “Restore-A-Stream” hands-on habitat restoration station, and this year, borrowed a stream table from River Restoration Northwest, which Underwood CD manned. In addition, staff presented on restoration projects and tours of Lyle Falls restoration and fishway facility to various educational and user groups, served as a natural history interpreter on floats of the Klickitat River (with a service learning component at the Haul Rd. restoration site) for an outdoor education program, helped facilitate watershed activities for Camp Chaparral in the basin, and worked with local science teachers to increase opportunities for experiential field learning in the basin for their students. . One such event was a watershed education day for Goldendale MS students consisting of several stations (salmon dissection, macroinvertebrate sampling and identification) plus a service component (weeding, rock removal from the road and planting) at the Klickitat Haul Rd. restoration site. Staff also attended Climate Boot Camp in Eatonville, WA and provided information to local press on effects of drought-related low flows and warm water temperatures on fish.

## 9. References

ISRP. 2012a. ISRP Step 2 Review of the Klickitat River Anadromous Fisheries Master Plan. Northwest Power and Conservation Council, Portland, OR. [ISRP 2012-12](#).

ISRP. 2013a. Response Review of the Klickitat Master Plan. Northwest Power and Conservation Council, Portland, OR. [ISRP 2013-1](#).

ISRP. 2013c. Geographic Review Final Report, Evaluation of Anadromous Fish Habitat Restoration Projects. Northwest Power and Conservation Council, Portland, OR. [ISRP 2013-11](#).

Yakama Nation. 2012b. Klickitat River Anadromous Fisheries Master Plan. Prepared by the Confederated Tribes and Bands of the Yakama Nation in cooperation with Washington Department of Fish and Wildlife for the Bonneville Power Administration and Northwest Power and Conservation Council. Yakama Nation Fisheries, Toppenish, WA. July 2012 as amended August 3, 2012.

Yakama Nation. 2013a. Yakama Nation Response to the Independent Scientific Review Panel’s Step Two Review of the Yakama Nation’s July 2012 Klickitat

Anadromous Fisheries Master Plan (ISRP 2012-12). Yakama Nation Fisheries, Toppenish, WA. January, 2013.

Yakama Nation. 2013c. Yakama Nation Response to the Independent Scientific Review Panel's Step Two Response Review of the Yakama Nation's Klickitat River Anadromous Fisheries Master Plan (ISRP 2013-1). Yakama Nation Fisheries, Toppenish, WA. April, 2013.

Keep, S.G., M.B. Allen, and J.S. Zendt. 2015. Comparison of electronarcosis and carbon dioxide sedation effects on travel time in adult Chinook and coho salmon. North American Journal of Fisheries Management 35:5, 906-912



## Appendix A: Use of Data & Products

### Where will you post or publish the data your project generates?

Fish Passage Center  
Yakama Nation Fisheries website  
RMIS - Regional Mark Information System  
Yakima-Klickitat Fisheries Project website  
BPA Pisces  
StreamNet Database  
BPA Fish and Wildlife publication page  
PTAGIS Website  
USFS NorWest Stream Temperature Project

### Describe the accessibility of the data and what the requirements are to access them?

- Integration of PIT and CWT release and recovery data with [PTAGIS](#), [RMIS](#), and [Fish Passage Center](#) databases
- Production and support of data bases necessary to support BPA quarterly and annual reports (available via PISCES and [BPA reports](#) web site)
- Production and support of data bases necessary to support NPCC project proposals (available via [CBfish.org](#))

- Science and Management Conferences (e.g., [Yakima](#) and [Klickitat](#))

Additional data is available on the [ykfp.org](#) web site and by email contact through the data managers (Yakima Basin, contact Bill Bosch, [bbosch@yakama.com](mailto:bbosch@yakama.com); Klickitat Basin, contact Michael Babcock, [mbabcock@ykfp.org](mailto:mbabcock@ykfp.org)). Project data managers participated in the Coordinated Assessments process to develop pilot exchange templates for adult and juvenile abundance and productivity parameters. However, as documented in a letter from Phil Rigdon, Director of Natural Resources for the Yakama Nation to Phil Anderson Director of the Washington Department of Fish and Wildlife, dated 7Nov2012, the Yakama Nation would like to see the region develop strong, enforceable data sharing agreements before we can support broad population and unlimited use of and access to these regional databases with data from YN/YKFP projects. We can document several recent examples of misuse of project data obtained from existing regional databases.



## **Appendix B: YKFP Policy Group Minutes**

Monthly YKFP Policy Group Minutes for the period from January, 2015 through September 2015 can be obtained using this [link](#).

The remainder of this reporting are period are presented below.



## MEMORANDUM

**DATE:** October 16, 2015  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** YKFP Policy Group Minutes for October 14, 2015 meeting

Policy Group Meeting, Nelson Springs, 9:00

Attendance: Mel Sampson, Pat Spurgin, Dave Fast, John Easterbrooks, Bill Fiander, MaryTodd Haight, Anthony Fritts, Bill Sharp, Adrienne Wilson, Bill Bosch, Charles Strom and Anthony Fritts.

Meeting called to order @ 9:15

Agenda Review: John E. would like to discuss some of the reports that were submitted.

### NEPA:

- Jenny Lord report re: bull trout. If you need her for any discussions on anything, she is available by phone.
- Klickitat, getting Greg S., some information on project.
- Key infrastructure items. Klickitat issues are stalled at BPA level until further discussions happen.
- No construction activity happening.
- Confident on moving forward on some elements.
- What is BPA willing to fund?
- HDR is doing environmental at Klickitat
- Appropriation stuff for Mitchell Act issues.
- Lori Bodi meeting with Berry Toms re: NOAA funds and how they are allocated
- Scott Nicolai, Edge project and state authorization and DNR for some liability issues.
- Waterline repairs, circulars, pond 25. Investigate river pumps
- Adult holding ponds could do double duty.
- 380 Fall Chinook that need a home, maybe place them in holding chambers?
- Jack Christensen will get back with us, then set a meeting with MaryTodd.
- Draft memo from Melvin will be addressed to Bill Maslen.
- International travel policies, still needs to be met on by higher levels with BPA. MaryTodd will send Bill the language that would satisfy both parties.



## MEMORANDUM

**DATE:** November 14, 2015  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** YKFP Policy Group Minutes for November 14, 2015 meeting

**The November 14, 2015 Policy Group Meeting that was scheduled, was postponed.**

**NO MEETING FOR THE MONTH of NOVEMBER**



## MEMORANDUM

**DATE:** December, 2015  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** YKFP Policy Group Minutes for December, 2015 meeting

**A Policy Group Meeting has not been scheduled for December**

**NO MEETING FOR THE MONTH of DECEMBER, 2015**



## MEMORANDUM

**DATE:** January 25, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** **YKFP P.G. Minutes for January 13, 2016 meeting @ Nelson Springs**

Meeting called to order @ 9:20

Agenda Review: none

NEPA:

- Klickitat: Greg Smith from BPA will be doing the design and construction EIS for Klickitat Hatchery, taking over for Jenny Lord.
- MRS Coho Hatchery comments for scoping section on hatchery, public comments on BPA website.

### BUDGETS, CONTRACTS

- MaryTodd will get a summary for Bill and Melvin
- Getting to a scope that BPA can sign off on, that they can support.
- Obstacle: What exactly is that BPA position?
- Pre Award for Yakima Mgmt. Can contract be issued by end of January, instead of continuing to extend Preaward?
- Need to discuss on getting two-year contracts
- Pisces to be revised and updated into a webbased program...could be a year out.

### CONSTRUCTION, MITIGATION, MAINTENANCE

- Asset inventory fourteen originally, now ten-projects will go through the inventory (MaryTodd) passed around of projects that were on the list. Original list had Cle Elum Hatchery and Klickitat Hatchery listed. Already see problems with list. They have Billy's projects under Cle Elum Hatchery when in fact they are two completely different projects in different locations.

- Capital budget, Bill Sharp would like to set up a meeting to discuss this. Don't want to see money go away when Accords end? Worried about this and this issue needs to be discussed now.
- Scott Nicolai had a meeting on the 21<sup>st</sup> with State Department of Transportation. RE: Boones Pond for Wetlands loss.
- Environmental lead is Jesse Nelson, BPA and hopefully can get this moving forward.
- DOT owns along with Bill Boone owning the lower part. DOT is a great alli on this project, but have their own way of doing things. The Boone family is on board and are great people to work with.
- Indian Creek Phase I is done. State DNR
- Reconnecting floodplain to creek 1.3 miles in length. 900 pieces of large woody debris was placed in creek.
- Phase II is up and downstream of Indian creek. \$300,000 for work. Integrated Plan money.
- Klickitat Hatchery:
- Phil Rigdon signed letter to BPA included July 22 meeting Common Ground Team. List of actions, were part of the letter to Lori Bodi.
- Hoping for a sit-down in February.
- Five-year window extension, NOAA dollars for upcoming projects.
- Cost share with BPA?
- Spring Chinook upgrades, Water Delivery upgrades and Lower River acclimation.
- Meeting in Nov and hoping to get issues hashed out.
- Meeting between BPA's COTR's things that were said by Lori Bodi, final notes from meeting were circulated to all attendees. Group discussed the content of the notes, and did not agree the score was clearly stated in them. Were not written or documented down and it is just hearsay at this point. What was said is informal, not a documented approval or disapproval.
- Transition period at end of Accords closeout.
- Project budgets – FY17 when is contract executed in 2017?
- Capital expenditures, end of Accords? What are you going to doing with active projects?
- Klickitat Capital Closeout:
  - Five elements on capital close out. OSHA safety hazards. Stairway handrails, two life rings, loading dock. Passed LNI ratings.
  - ARC flash rating, this is James Beasley's profession (James is a safety officer, with OSHA certifications).
  - How many man hours with spent with tours with BPA to facilities and not the right people with expertise to see these problems in the beginning. Need to get the right people in the room to talk about issues at hand. People that know their professions.

-ARC flash ratings will also be looked at for Cle Elum Hatchery facility and acclimation sites. Charlie already text Marc Luce.

- Cle Elum Hatchery H-line is low.
- Pittag information – pre-spawn mortality.
- What about Jack Creek for Coho? Charlie said no, because HxH go to Clark Flat acclimation site.
- If they do, they will not be treated the same. If you wanted to do this, it should be at the egg stage.

STAC:

- Steelhead Spawning Channel: Roza collection and Naches River.
- Use only Naches fish, 11 Naches females.
- Need to resolve at a low number of fish.
- All the immature fish died and only have mature fish on hand.
- Need to decide what to do.
- Integrated Plan:
- Bumping Lake – Cochise re: bull trout.
- Due to forest fires, where trucks were drawing water out of these lakes. Issues will come up from home owners around the lakes.
- 18 months to get an EIS done.
- MRS Hatchery update:
- Selection of design, construction firm has been decided.
- Level of certain re: water rights. Pat Spurgin said it's complicated. Applied for surface/ground water permits. BOR, YN and State surface water for an MOA
- SMN conference is scheduled for June 15 & 16, will send out save the date notice soon.
- Jan 14, 2016 meeting at Fish and Wildlife Recovery Board, Dave will be attending this meeting re: status of bull trout.
- Bill Sharp's Scientific Conference at the Discovery Center has been set for April 19<sup>th</sup>.

YKFP Policy Group Meeting

January 13, 2016 @ 9:00 a.m.

Nelson Springs

- 1. Call meeting to order; Mel**
  - a. Agenda Review, Adjustments
- 2. NEPA Status, Updates: Open**

### **3. Budgets, Contracts; Open Dialogue**

### **4. Construction, Maintenance, Mitigation**

- a. Update on Council's Asset Inventory (hatchery) & BPA capital budget relative to hatchery construction in progress around the basin.
- b. other

### **5. Project Reports:**

- a. Update of key infrastructure items at Klickitat Hatchery (BPA/NOAA)
- b. Capital Closeout, safety letter response.
- c. Next BPA/YN policy level meeting – Cap construction & O&M
- d. other

### **6. STAC; Dr. Dave and Anthony**

- a. Steelhead spawning channel update
- b. Integrated Plan update
- c. MRS hacar update
- d. other

### **7. Next meeting date & place: February 24, 2016 at Nelson Springs**

### **8. RECESS**

Scott Nicolai	YN YKFP	<a href="mailto:nics@yakamafish-nsn.gov">nics@yakamafish-nsn.gov</a>
EASTY	WDFW	
Bill Sharp	YN YKFP	<a href="mailto:sharp@yakama.com">sharp@yakama.com</a>
David Fast	YN	<a href="mailto:fast@yakama.com">fast@yakama.com</a>
Bill Fiander	YN	<a href="mailto:bfiander@yakama.com">bfiander@yakama.com</a>
Bill Bosch	YN	<a href="mailto:bbosch@yakama.com">bbosch@yakama.com</a>
Adrienne Wilson	YN YKFP	<a href="mailto:adrienne@yakama.com">adrienne@yakama.com</a>
Charles R. Strom	YN YKFP	<a href="mailto:osprey@questoffice.net">osprey@questoffice.net</a>
Anthony Fritts	WDFW	<a href="mailto:anthony.fritts@dfw.wa.gov">anthony.fritts@dfw.wa.gov</a>
Pat Spurgin	YKFP	<a href="mailto:pds@spurginlawoffice.com">pds@spurginlawoffice.com</a>
MaryTodd Haight	BPA	<a href="mailto:mthaight@bpa.gov">mthaight@bpa.gov</a>
Carol Sue Martin	YN YKFP	<a href="mailto:carolsue@yakama.com">carolsue@yakama.com</a>





## MEMORANDUM

**DATE:** March 9, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT: YKFP P.G. Minutes for February 24, 2016 meeting @ Nelson Springs**

Meeting called to order @ 9:15

In attendance: Melvin, Dave Fast, Bill Sharp, Bill Bosch, Charlie Strom, Anthony Fritts, John Easterbrooks.

### Agenda Review:

- Pat Spurgin attending Listening Meeting today with CRITFC
- MaryTodd is out, can be reached by phone if needed.
- Billy Fiander is out, has a conference call in Toppenish at 10:00

### NEPA:

- Klickitat NEPA, expecting letter from Lori Bodi by end of this week in response from a letter they received from Phil Rigdon.
- Greg Smith BPA's new environmental staff member
- Requesting in writing from Lori Bodi anything she approves verbally. We would like it in writing and not just by emails stating "Lori supports this action" etc. Would like something more formal. This process will turn into that with formal MOA developed.

### BUDGETS/CONTRACTS:

- Klickitat post accord planning
- Wrapped up O&M
- Budget planning for 10-year proposals
- MaryTodd emailed (Klickitat Projects Contracting Status). Bill Sharp provided comments and clarifications back to MaryTodd that were not incorporated into the version presented to Mel Sampson. YKFP staff supported a submittal of this nature across all COTRs, maybe on a quarterly basis.

## CONSTRUCTION/MAINTENANCE/MITIGATION:

- Cle Elum = transferring fry to raceways on Tuesday, Feb 23, 2016
- All juveniles are at acclimations sites
- Had a good run off, and another run off would be great.
- March 15 is when screens will be pulled.
- Saturday, Feb 20<sup>th</sup> the Cle Elum Hatchery had a break-in and several items were taken from facility. Included 3-generators (list of items went around meeting)
- Working on getting gate codes changed
- Thieves came through the breezeway and knew lay out of where items were kept stored.
- Looking into security system (something that records for 60-days)
- Puget Sound Energy (PSE). Charlie had a meeting with PSE on how efficient were using our energy. Charlie had a questions for BPA re: signature that was required by PSE. Does BPA sign this document? Will share this document with Pat Spurgin and have him take a look at it first.
- Bill Sharp:
- Capitol Construction safety items:
- Last Castile Falls safety issue is cleaning the trash racks.
- The last entire year of BPA doing “safety walk through: has been challenging for O&M staff and added to a protracted closeout process. It was important for O&M staff to hear, Peter Lofy to make the comment “we had no idea what we were doing” at the 2/4/16 meeting in Toppenish. It helped clear the situation up for YN folks.
- Arch Flash issue: BPA is evaluating all stations.
- Will we get costs back to in our O&M?
- Extended contact to end of Sept 2016.
- Decision document for Policy Group re: build 2,400 sq. ft. shop and relocate of bullpen.
- DFW needs to sign off on any improvements per YN/WDFW Lyle Falls Joint Operating Agreement.
- Jason Rau host of updates on hatchery reform documents
- Landlord forgot to renew lease? Running on a month-to-month lease at this time. Bill will get this to John E.
- Don’t forget conference set for April 19<sup>th</sup>, 2016 at The Dalles Discovery Center. Agenda will be out end of the week.
- John Easterbrooks and Bill Sharp will set up a Klickitat tour with the new WDFW director and Phil Rigdon.

## STAC:

- Integrated Plan Update:
- Cattle grazing, issues on new leases. Cows are damaging habitat rehab work re: soil corostion.
- If you see any cattle in areas where there shouldn’t be cattle, these need to be reported. Dave will get information on whom to report these to.

- Will also get with Scott Nicolai to see where rehab work is and where?
- Bull Trout:
- Meeting on Monday, group of local biologists. John, Gabe, Dave, Mark, Jeff and Eric
- Started with feasibility study? But, in order to name it you need to do something? July kept calling a feasibility study? Which is not the right term, BC nothing was going on with it?
- Talked about doing a Nutrient Enhancement.
- Richard Visser is putting together group.
- Not a mitigation thing...proposal for habitat issues.
- Steelhead Spawning Channel: Chris Frederiksen
- Steelhead being transferred to the spawning channel right now, as we speak.
- 8-Naches
- 2-uuper Yakima
- Mostly females
- Hopefully 1 male survived? Male collected from the Naches
- Spring Chinook Run:
- Forecast for runs upstream of Bonneville is 188,800. Yakima forecast is 4,600 spring Chinook in the River Mouth with about 1,500 predicted to be returns from the CESRF.
- WDFW season will start in April this year instead of May. Below Sunnyside
- Looking at Ice Harbor, Granite and Lower river fishery.
- Regulations for the YN should be out soon.
- Wapato gate will be closed and will have control access. Due to people going and dumping trash back there.
- The Columbia River sockeye forecast is 101,600. There is no forecast for the Yakima River, but a 1:1 return would be 10,000 sockeye based on adult fish transplanted from Priest Rapids Dam to Lake Cle Elum in 2012. However, it is likely that conditions affecting the aggregate (lowered) Columbia River forecast also affected Yakima river Sockeye.
- Looking to have a good water run this year.

**NEXT Meeting: March 30, 2016 at Cle Elum M&E Bldg.**

YKFP Policy Group Meeting

February 24, 2016 , Nelson Springs, 9:00 AM

Draft Agenda

1. Call Meeting to Order, Mel
2. Agenda Review; Adjustments
3. NEPA Status, Updates: Open discussion
4. Budgets, Contracts, Open Dialogue
5. Construction, Maintenance, Mitigation, Open Dialogue
6. Project Reports : Available for open discussion or follow up
7. STAC; Dr. Dave and Anthony

Steelhead Spawning Channel

Spring Chinook Run

Integrated Plan Update

(Bull Trout)

8. Next Meeting date and place \_\_\_\_\_

9. Recess



## MEMORANDUM

**DATE:** April 5, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** **YKFP P.G. Minutes for March 30, 2016 meeting @ Cle Elum Hatchery**

Meeting called to order @ 9:16

### Agenda Review:

- No BPA reps in attendance today
- “Edge” Habitat Project upstream and across river from CERF: Scott Nicolai. (will not be looking at)
- View Steelhead spawning channel

### NEPA:

- FWIP (Fish and Wildlife Implementation Plan): no obvious benefits of FWIP at this point (what is FWIP?...never hear of it)
- EIS for MRS – scoping is done (public) have not gone any further

### BUDGETS:

- Scott will send email to Paul Ward & cc: Melvin and Adrienne re: land purchase & moving money around.
- Two-year contracts working with BPA on these. Two year milestone is being implemented. Wants consistency with all projects.
- Bill Sharp drafted a letter and will forward to Pat Spurgin for review and edits if necessary for Chairman’s signature.
- Billy Fiander – ten-year budget for complete ten-year plan (right bank fish ladder) Sunnyside.
- Marion Drain – enough water to run both Sturgeon hatchery and Billy’s hatchery?
- Summer Chinook acclimation site: Bill Fiander said that floodplain property near the mouth of Cowlitz Creek acquired by Yakima County would be a perfect area to do this.

### CONSTRUCTION:

- Holmes: Joel Hubble (USBR) developing an MOA re: wheeling water (10 cfs) through the upper New Cascade Canal and the fish bypass channel for the MRS
- March 17<sup>th</sup> new Deputy Commissioner went on tour of proposed MRS with Dave.

- BPA approved 40'x60' shop/vehicle storage building at Lyle Fishway, unallocated money to build. Construction will be about a year.
- Klickitat Hatchery construction (decision document) re: spring Chinook at hatchery is pending with BPA.
- Hatchery NOAA grants for building shop will also be a decision document for Policy Group signature.
- Washougal Hatchery Coho are being direct released this week, mostly at Pitt Bridge and at a new location downstream of Pit Br. At Milepost 8.5. Only one load had to be released at Horseshoe Bend Br. Near Swale Creek, which supports wild steelhead, which are impacted by the Coho release.

#### PROJECT REPORTS:

- John E. had questions for Billy Fiander on his Coho re: out of basin fish? These on station? These are 2014 in-basin fish from Eagle Creek (reared at EC) 339k=EC Coho.
- Lost a lot of summers.
- John E. question to Bill B. re: adult spring chinook PIT returns to Bonneville, only one-five-year-old from Snake and one from Umatilla had a return so far.
- Bill B. said he goes to DART for fish run activity.
- Klickitat Hatchery release is set for February? Spring Chinook at KH is being released early due to space limitations believe they will have better survival with the early release.
- Cle Elum Hatchery was visited by Sharon (fish pathologist) and we have had some fry that were hemorrhaging. Sample size 240.
- No hatchery hosts this year? So if you know of anyone that is interested.
- Tom Iverson, consultant working with Bill on ten-year budget.

#### STAC:

- Will be trying out new alternative adult passage technology for Cle Elum Dam...different from conventional trap-and-haul. "Whoosh" test facility will be built and used at Roza for broodstock with the same amount of length and vertical lift as Cle Elum Dam. Will use s-line fish.

NEXT MEETING DATE & PLACE: April 27, 2016 @ Nelson Springs

#### YKFP Policy Group Draft Agenda

March 30, 2016, (Wed) 9:00 AM

MAIN Office building

Cle Elum Hatchery, WA

1. CALL MEETING TO ORDER, MEL
  - A. Agenda review, adjustments
2. NEPA Status, Updates: Open

3. BUDGETS, Contracts: Open Dialogue
4. CONSTRUCTION, Maintenance, Mitigation  
A. Holmes Status, Update  
B. Other
5. PROJECT Reports:  
A. Open Discussion/Follow up  
B. Action Items if necessary
6. STAC: Dr. Dave and Anthony
7. Next meeting date and place
8. Recess

**\*\*WILL BREAK AT APPROPRIATE TIME TO VIEW STEELHEAD IN SPAWING CHANNEL**

Sign-In Sheet

Pat Spurgin

Melvin Sampson

Anthony Fritts

Bill Sharp

Bill Fiander

Charles R. Strom

Dave Fast

Scott Nicolai

Adrienne Wilson

Bill Bosch

John Easterbrooks

Carol Sue Martin



## MEMORANDUM

**DATE:** April 15, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** YKFP for April 27, 2016 meeting @ Nelson Springs

**Meeting Postponed Until May 2016**  
**(see attached emails)**





## MEMORANDUM

**DATE:** May 11, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** YKFP P.G. Minutes for May, 2016 meeting @ Nelson Springs

Meeting called to order @ 9:16

### Agenda Review:

- “Edge” Habitat Project upstream and across river from CERF: Scott Nicolai. (will not be looking at)

### NEPA:

- FWIP (Fish and Wildlife Implementation Plan): no obvious benefits of FWIP at this point (what is FWIP?...never hear of it)
- EIS for MRS – scoping is done (public) have not gone any further

### BUDGETS:

- Scott will send email to Paul Ward & cc: Melvin and Adrienne re: land purchase & moving money around.
- Two-year contracts working with BPA on these. Two year milestone is being implemented. Wants consistency with all projects.
- Billy Fiander – ten-year budget for complete ten-year plan (right bank fish ladder) Sunnyside.
- Marion Drain – enough water to run both Sturgeon hatchery and Billy’s hatchery?

### CONSTRUCTION:

- BPA approved 40’x60’ shop/vehicle storage building at Lyle Fishway, unallocated money to build. Construction will be about a year.
- Klickitat Hatchery construction (decision document) re: spring Chinook at hatchery is pending with BPA.
- Hatchery NOAA grants for building shop will also be a decision document for Policy Group signature.

### PROJECT REPORTS:

- John E. had questions for Billy Fiander on his Coho re: out of basin fish? These on station? These are 2014 in-basin fish from Eagle Creek (reared at EC) 339k=EC Coho.
- Lost a lot of summers.
- John E. question to Bill B. re: adult spring chinook PIT returns to Bonneville, only one-five-year-old from Snake and one from Umatilla had a return so far.
- Bill B. said he goes to DART for fish run activity.
- Cle Elum Hatchery was visited by Sharon (fish pathologist) and we have had some fry that were hemorrhaging. Sample size 240.
- Tom Iverson, consultant working with Bill on ten-year budget.

STAC:

- Will be trying out new alternative adult passage technology for Cle Elum Dam...different from conventional trap-and-haul. "Whoosh" test facility will be built and used at Roza for broodstock with the same amount of length and vertical lift as Cle Elum Dam. Will use s-line fish.

NEXT MEETING DATE & PLACE: April 27, 2016 @ Nelson Springs



## MEMORANDUM

**DATE:** June 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT:** **YKFP P.G. Minutes for June, 2016 meeting @ Nelson Springs**

Agenda Review:

**No Policy Group Meeting in June 2016 due to Science Conference**



## MEMORANDUM

7/15/16 Policy Group notes

JULY 2016

Called to order at 9:30, agenda was developed at the meeting due to disruption of YN office.

Attendees: Anthony Fritts, John Easterbrook, Charlie Strom, Bill Fiander, Mel Sampson, Bill Sharp, Dave Fast, Scott Nicolai, Pat Spurgin.

Yakima

- Charlie gave update on July 2 fire on hatchery property that is still under investigation. This heightened need for agreement between YN and BPA on land use and allocation of resources for property management and stewardship purposes. Charlie was excused to attend to Cle Elum Open House preparation duties.
- MRS coho facility design is underway. There is an MOA of partnership for the contract but some issues about communication with design elements have come up. Specifically this time, BPA took issue with the increased costs due to chiller needs because of more yearling production relative to subs than originally planned. MOA guidelines appears to have been circumvented with BPA excluding YN on communications with McMillan. McMillan will likely work to ensure all parties understand the progress and are in agreement in the future.
- Good 2016 Science and Management conference with high attendance. Presentation information and detail is available at [ykfp.org](http://ykfp.org)
- WA State NPCC re, Phil Rockefeller is retiring and wanted to have recent NPCC meeting highlight the “Washington Way”. Dave Fast gave a presentation on Yakima recovery results. See NW Power & Conservation Council meeting information for more details.
- Sockeye 70% replacement on BY09 return, 107% on 2010, but only 8% on 2011 because of the 2015 drought and high water temps but not bad when considering what happened to the Redfish and upper Columbia populations. Pointed out that the fish transported from Priest Rapids in 2015 were probably better off than fish left in the river. KID is trying to document cool water refuges in the lower Yakima in the hopes of improving these areas by recharging wetlands/aquifer to give fish places to “hopscotch” up the river. 10,000 sockeye were transferred this year. SOACC timed the release of water to coincide with the previous weeks cooler weather starting on 7/6. Definitely worked to get

Chinook and sockeye to come upriver from the Columbia. Prosser counts were are being updated.

- Decision was made not to collect wild control (WC) line from Naches this year due to low numbers. YKFP MIPT will evaluate future status of this project. Decision Document will be written on whether this should continue in the future.
- 4<sup>th</sup> annual Family fishing day at Marion Drain Trout Hatchery was a great success with >250 turnout. Had some tagged fish for special prizes. Bill F. said they are thinking about ideas for future improvement such as maybe a small dipnet station.
- >20,000 smallmouth were estimated to be retained during the lower Yakima spring Chinook fishery based on creel surveys, reported Easty.
- Three week fishery below Roza had some effort and about 150 adults and jacks were retained. About an equal number of NO were caught and released. Bill B. will update that data at next YKFP Policy Group meeting.
- Bateman Island tour with DOE-Office of Columbia River. Richland is against removal of the causeway. Pointed out that if nobody claims ownership then who's to stop someone from getting permits and just taking it out? Phil Rockefeller said that it could be potentially funded with exotic fish money but strings would be attached because of the funding source making it difficult. Scott N. reported.
- Ryan D. (YN-YKFP) has designs for 8.5 miles of 7 tribes in the Teanaway and one in Swuak. These will be large wood projects with most wood needing to be trucked in. Fencing was installed to protect Indian Cr. Grant was written for wildlife conservation fund. Kelly C. wrote a SRFboard grant for the NF Teanaway that was ranked 3 of 14 so funding is likely. Scott N. reported.

#### Klickitat

- Klickitat River fishery (sport and tribal) has been closed in the stretch below the hatchery to allow for brood collection. Approximately 397 adults have been collected as of 7/12. Production goal is for ~600.
- A decision document was submitted and signed to get 3-phase power to the hatchery and a power leg out to Pond #26. KPUD will conduct this work. YN has a non-BPA fund for this work.
- Hatchery shop building foundation is poured and footers are in. Construction is on schedule for mid-August completion. YN has a non-BPA fund for this work.
- Pitt Acclimation site is on hold at this time. Negotiations with BPA regarding infrastructure at the Hatchery to support safe collection for transport and BPA tentative position of no M&E to support this effort need further discussion.
- Meeting adjourned at 11:15AM
- Next meeting 8/17 at Klickitat Hatchery start time 9:30AM.



## MEMORANDUM

**DATE:** August 19, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT: YKFP P.G. Minutes for August 16, 2016 meeting @ Nelson Springs**

Meeting called to order @ 9:15

Attendees: Melvin R. Sampson, Dave Fast, Patrick D. Spurgin, Bill Bosch, Anthony Fritts, Billy Fiander, Bill Sharp, Michelle O'Malley, MaryTodd Haight

Agenda Review: add to #6 – BPA workload alignment, MaryTodd H.

### NEPA:

- Klickitat projects, Greg Smith (BPA) is getting up speed and will be working with Jerod on some upcoming projects/tasks.
- 106 clearance – keep on schedule
- Installation of array at Lyle
- Cultural placement of these could be a concern and public safety
- EIS consultation is happening
- NOAA will not release any funding until EIS is done.
- Discussions between accords & CRITFC
- Mud snails were discovered at Ringgold so, a new location is being sought for yearlings produced.
- Prosser Hatchery would be part of fall chinook production, John Day Mitigation
- CRITFC we support reallocation of funds to Bonneville Hatchery with remainder to Prosser Hatchery
- Not part of Master Plan, this would be an addition to the MP
- Melvin R. Sampson Coho Hatchery – letter to Tony Grover (ability to rear all 17,000 smolts. Funding is there.

### BUDGETS:

- MaryTodd has a system that she does with budgets and shows monthly how much money is there and what we have to work with.
- Bill Sharp recommends that Sandra Fife do the same so staff members know where they stand budget wise. Find this to be really helpful.

- Michelle O'Malley said she can start doing this with the projects she works with.

#### CONSTRUCTION, MAINTENANCE, MITIGATION:

- Construction of shop at Klickitat, doing finishing touches and should be completed in a week.
- Quote from PUD to get power up and going
- Cle Elum Hatchery – doing concrete repairs at acclimation sites. Majority of concrete work is being done at the Jack Creek site (showed photo). Easton and Clark Flat sites are not as bad. June through January are when these acclimation sites sit dormant.
- Main facility of hatchery is being seal coated, sealing of cracks in asphalt.
- Probes in incubation ponds
- PLC updates
- Cle Elum assessment Sept 28<sup>th</sup>, 2016. Walk through operations of hatchery
- Energy audit assessment done with phase I and will start on phase II of hatchery.

#### PROJECT REPORTS:

- None were submitted except for Anthony Fritts.
- Will work on getting report out for the record.
- Bill Bosch – IRSP reports, additional years of evaluation, environmental issues change.
- MaryTodd H. – BPA hiring freeze was lifted
- Projects are being re-grouped by subject matter, roles and responsibilities
- Jamie Cleveland will be transitioning into MaryTodd's role for the KWEP project and Elain Harvey's Rock Creek project.
- This will free up more time for MaryTodd to concentrate on Hatchery projects.
- Mid-September is when the transition will take place.
- Jamie Cleveland has more Habitat related experience to work on these projects.

#### STAC:

- Sockeye run updates Prosser 3418 wild fish and 1 hatchery fish total 3419. These were transported from Priest Rapids
- Roza = 3658, if weather would cool down, could probably get more.
- Spring Chinook = 447 adults 115 jacks (hatchery), Prosser
- Roza = 15
- New Fall Chinook Production
- Kelt year 580 samples at Prosser held 740 and
- 63 hold overs = 530 start with 450 still alive. 86% survival
- Blood sampling work for maturity level
- Released below, need PIT detection – see how many are moving
- Release date is tentative for Oct 27<sup>th</sup>.
- Channel was drained last week and we did better this year.
- No Naches fish this year.

- Recap from Andy (WDFW)
- Bring water from Upper Yakima at Easton and treat water. How much UV to take care of pathogens?
- Once water is treaty in troughs, small sub set of fish and incubate on this new water, then take fish to lab and experiment with electros and see how fish react to different water.
- We still have questions? Why can't eggs just be taken to their lab for the study?
- Charlie has concerns about bringing other water sources into the hatchery. "more fish you got, more disease you'll have" (Ray Brunson)
- Want to mirror our temp units at Cle Elum Hatchery.

NEXT MEETING DATE and PLACE: Thursday, September 29, 2016 at  
 Klickitat Hatchery  
 YKFP Policy Group Meeting

Draft Agenda, August 17, 2016, 9:00 A.M.

Nelson Springs

1. Call Meeting to Order
2. Agenda Review, Adjustments
3. NEPA Status, Updates; open
4. Budgets, Contracts: Open dialogue
5. Construction, Maintenance, Mitigation
6. Project Reports
  - A. Open Discussion/follow up
  - B. Concerns
  - C. BPA Work Load Alignment (added Agenda item) – MaryTodd H.
7. STAC: Dr. Dave and Anthony
  - A. Sockeye run update
  - B. Summer Chinook update
  - C. New fall Chinook production
  - D. Steelhead Kelt update
  - E. Other...
8. Next meeting date and Place\_\_\_\_\_
9. Recess





## MEMORANDUM

**DATE:** September 29, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT: YKFP P.G. Minutes for August 16, 2016 meeting @ Nelson Springs**

Meeting called to order @ 9:30

Attendees: Melvin R. Sampson, Dave Fast, Patrick D. Spurgin, John Easterbrooks, Anthony Fritts, Billy Fiander, Bill Sharp, Joe Zendt, Michelle O'Malley, MaryTodd Haight, Jerod Bartholomew, Jason Rau

Agenda Review: add Klickitat Basin staff updates, waiting for Will Conly for oral report.

### NEPA:

- Bill Sharp, NEPA moving along. Jeanette identifying locations for reveg (sic) work.
- Get this (above) in front of Greg Smith in a few weeks.
- Joe Z ~ instream PIT floating array covered under SOW, lower Klick locations improved PIT detections
- B.S ~ NEPA for KH complex, refining scope of actions, 2-4 weeks to "tool" MP
- Lower basin acclimation taken out, move from capital to BPA expense, await NOAA response,  
BPA not paying for M&E for lower Klick river acclimation monitoring.
- NOAA will not release any funding until EIS is done.
- Retool Master Plan, HGMP's, EC. Work with NOAA on R,M&E. For now focus on KH infrastructure, test lower Klick river fall chinook actions (@KH, lower river).
- MTH ~ EC doesn't look like big deal at Lyle.
- Pat ~ as we move on KH upgrades, supplemental EIS? MTH ~ existing contract, treading water, Jan Brady, HDR hammered out draft. Think about sequencing. Has to go back out for public review.
- Bill S ~ on MP rewrite, scopes defined, will help guide. Detail for fall chinook and coho come out in MOA.
- MTH ~ Letter (to Lori Bodi) looks good. (Pat) letter characterizes where we stand on spring chinook and in-lieu limitations, still to come a deal with NOAA on long term strategy on O&M and separate from BPA O&M responsibilities.

- MTH ~ EIS draft due in mid-December, MRS Coho facility.

#### BUDGETS:

- MTH said that things are moving along, draft status to go to YKFP admin. Jamie Cleveland taking on KWEP in next few weeks.
- MTH mentioned a meeting on 10/5, where Lori B. Marcy Foster and others will list YN accomplishments at annual Bonneville/YN visit.
- Joe Z query on KM&E budget mod status? MTH ~ it's all good.
- MTH ~ will be meeting soon with YKFP on contracting.
- Pat ~ regarding CESRF, we don't have an agreement w/BPA over actually dealing w/legal relationship, liability. Mel ~ Phil Keyes knows about this.

#### CONSTRUCTION, MAINTENANCE, MITIGATION:

- NOAA actions at the KH. New storage building constructed in summer 2016.
- KH 3 phase power project status, power line to Pond 26 likely this year, the rest scheduled for 2017.
- Dave F ~ coho hatchery design addendum. To rear 700k smolt equivalent (current 200k smolts, 500k parr), discussion on going to 700k smolts. Dave wrote addendum, sent to Tony Grover, Mark Fritch. Needed sit down meeting (but no go). Had brief discussion w/biweekly coho call, agreed to do this, move forward approved, adaptive management strategy. Total production 1.2 million that includes 500k segregated harvest augmentation release at Prosser.
- Pat ~ MRS how far design along? MTH at 25% design.
- MTH ~ BPA O&M assessment of hatcheries. HDR writing report. 4 of 5 hatcheries visited complete. Last one was the CESRF, all day visit all facilities. Draft report coming soon.
- Mel ~ Next step? MTH ~ at phases (sic) everything that needs to be fixed, then principals will prioritize needs, decide upon how to purchase, fill gaps. Bill S. ~ who does this? MTH ~ HDR represents BPA on behalf of the council as a contractor. They decide what works, what kind of shape etc., Mark and Rick. One more visit to Kootenai, then they will do a big write up. Bill S ~ Castile, Klickitat, Lyle? MTH ~ not on this contract.

#### PROJECT REPORTS:

- Bill S ~ Add to KWEP stuff (B), David Lindley and Jeanette B, legal counsel review of county shoreline master plan updates. Due 9/30. This is to protect restoration projects we've accomplished, a lot of stuff to review. Pat ~ what % of habitat located off of the rez? Bill ~ the Haul Rd is the granddaddy, the Big White Salmon, roughly 1/2 of KWEP off reservation.
- (B) Will Conly ~ big flood event in December, 94 year flood. Looking at project work, things look pretty good ~ redd sections held up, better habitat/side channel connectivity. Diamond Fork, doing well, reestablished grade in critical area during flood, good natural

maintenance. Assisted Forestry with bridge abutment (Twin Bridges) Howard Lake Bridge.

- Will C (cont) Admin, Dave L working on next contract, finishing annual reports for 2015-16, ongoing stream gauging work. KWEP – low flow distributions built on work from 2004, getting this mapped into GIS, LIDAR high resolution photography.
- Will C (cont) TeePee Cr, ongoing maintenance. Wild horse situation, present in area, hard on fences, patience. White Cr. Woody debris project. Various committee actions, circled back to DNR, able to re-engage BIA, implement next year. Rock Cr, report next week.
- Will C (cont) David L riparian reviews, riparian restoration activities.
- Will C (cont) Paul Huffman working on GIOS system at map making level, make user friendlier, beta testing, end of year implementation.
- Will C (cont) Haul Rd, put off this year. Some revegetation work affected by dry spring, mixed survival. Phase 6 construction next year.
- Will C (cont) Will on BOD end of 2<sup>nd</sup> term, River Restoration NW. Will will email presentation.
- (C) Joe Z ~ Klickitat run sizing and mark recap estimates for 2016: over 4000 adult spring chinook, 3600 H, 400 W. Wild component slightly down compared to last 7-8 year averages (500-520 W). Low #'s of wild fish a concern, genetically risky. Spring chinook redd counts moderately higher this year (156) than in past years (avg 140). Also, we know that there are some H's spawning out there, roughly #'s around 40% range (?), hatchery reforms key step to reverse that trend. Four chinook over Castile, low #'s of chinook above Castile, and 10-20 steelhead above, high of 36.
- Joe Z (cont) Lyle spring chinook run down, while creek watersheds finding fewer steelhead (SH) juveniles (low flows, high mortalities last year). Ongoing TeePee Cr. Study, food web study (fish abundance, vegetation cover, macro inverts, before and after contrast), every life history variation you can think of on White Cr SH.
- Joe Z (cont) lower Klick tribes, PIT array readers seasonally operating in host of tribes, look at variety of life histories in these streams. Assisted with KH spawning operations, collected genetic samples. Replaced stream network data loggers, screwtrap overhauls. Personnel update, Shane Keep resignation, wish him well.
- (D) Jerod B ~ Klick O&M report. 12/9 flood event, high flow shut down LAT. Large woody deposits to deal with, emergency HPA from WDFW really helped to get mess cleared up. Took one month to clear up with some repairs to intake. Castile, event shutdown, needed permanent solution to genset cooling system, worked with TetraTech to develop schematic to work from to install closed loop cooling system. Knocked out safety concerns to achieve facilities compliance at Castile and LAT. Replaced bulkhead seal for fish lift at LAT, 2<sup>nd</sup> replacement. Stuck PIT tag raised hell in LAT reader. Flume development for fish truck (alt funding source). CDF implementation to protect slope embankment next to fishway. Personnel: hired Jerry White in July, welcome aboard.

- (E) Bill F ~ (added to reports) Coho Whoosh, collecting information, had set up at Roza. Volitional entry, size for coho and fall chinook, set up for shoot to RW's. Funding and time constraints. BOR and Joe's crew working with Whoosh people. Hope to have this set up by 10/12, operational by mid-October.

STAC:

- Dave F ~ Sockeye still coming through Roza, over 4000. Over 14000 total up there with 10,000 transported from CR. 1<sup>st</sup> wave sockeye spawning one week ago; 2<sup>nd</sup> wave spawners coming in October.
- Summer chinook, behind on video readings, estimate 1600.
- Coho (see previous) addendum et al.
- Bateman (sic) Island, Yakima River, Integrated Plan committee met with Richland City council. Concerns: smolt kill zone, high temp zone. Big public process, 5 million dollar bridge, marina protection with removal of causeway. Lots of issues. –So- we met with them, informed them of process, would (not) be able to pay for all issues, find volunteers to add to process. Yakama and Umatilla to pen joint letter to USACE, adamant regarding causeway removal, issues. Tribe(s) to restrict access, cite concerns to cultural resources. Bill S ~ Corps involvement? USACE to talk to Richland.
- Easty ~ KH property lease, original signed in 2005, renewed several times, clause to take parties to 2012. Last renewal did not have 2 year clause. –So- (Bill S) our attorney and working with AAG. Tour on 10/11 with WDFW Director Jim Unsworth, potential to have lease ready to sign, maybe on spot. Other thing (Easty) joint operating MOA on KH (dependent upon lease), the MOA has also expired, but tied to lease, includes personnel salary, vehicle. \$38K reimburse due to WDFW from YN. AAG property lease almost done, then work to be done on MOA.

NEXT MEETING DATE and PLACE: Wednesday, October 26, 2016 at Prosser



## MEMORANDUM

**DATE:** October 27, 2016

**TO:** Melvin R. Sampson

**FROM:** Carol Sue Martin

**SUBJECT: YKFP P.G. Minutes for October 26, 2016 meeting @ Prosser Hatchery**

In attendance: Melvin R. Sampson, Dr. Dave Fast, Bill Fiander, John Easterbrooks, Anthony Fritts, Bill Bosch, Patrick Spurgin, Charles Strom, Andre L'Heureux and Shirley Alvarado.

Meeting called to order @ 9:20

**Agenda Review:** Bill Sharp is out today, working on master plan. MaryTodd is out this week and Michelle O'Malley will not be in attendance.

Added Agenda Items:

### NEPA:

- Klickitat exchange of letter between Phil Ridgon and Lori Bodi. Spring Chinook (no fall Chinook or Coho)
- Development of MOU (an ongoing O&M) between YN, NOAA and BPA. Do we have enough money to update housing for hatchery staff?
- Update to NEPA plan.
- MOA for construction
- Current draft EIS
- Record decision by 2013 still has not been done (won't be done till NEPA is done)
- Supplemental EIS
- Looking at HGMP's
- Mitchell Act money not being released till January.
- Never had contract with Corp for fall Chinook
- Nothing to report on MRS Coho Facility

### BUDGETS:

- All set for budgets for the next year and half.
- Agency Decision Framework (ADF) major decisions – many players.

- Being developed to address post accords.
- Multiply parties will be involved.
- Used selectively and some go through this process
- Strategy to adjust contracts to run as long as possible.
- Elements of accord with YN that are not optional for YKFP going to continue with any scenario. Don't see a sense of urgency for a contract that have an early start date.
- Renewal of accords, rolling over 2-3 years
- BPA is losing revenue, does not equate to money amount for YN. Sept 30<sup>th</sup> 2018 is when accords end.
- See behavior of BPA when it comes to accords. YN has been around long enough to know the process.

### **MEETING BROKE TO WATCH SALMON RESCUE FROM CANAL.**

- Meeting resumed at 11:00 and Bill Bosch, Bill Fiander and John Easterbrooks went to another room for a conference call.

### **CONSTRUCTION:**

- Built reserves in our budget and they have been reduced each year. We were flat lined a few years ago and Charlie and Billy had to go through and make decisions on what they could do with out in order to keep operating.
- It was also to where "If you didn't use it, you would lose it" this could not be rolled over.

### **PROJECT REPORTS:**

- STAR (status, trend and reporting)
- EPA Grant through data network project that were waiting on.
- QW Consulting working with Bin Quan and helping out.
- Working on dam counts.
- We could also include counts from from Prosser/Roza. Updated almost all the time.
- Similar to DART report
- Actual trap data that is available
- "Save the Fish" is the password.
- **SPRING CHINOOK PREVIEW:** Bill Bosch
- 2017 Projection Summary handout (attached)
- 2015 was an awful year for migration conditons, as we all know.
- Leaning towards the 5510 forecast.
- **D.C. LEADERSHIP TOUR:** Dr. Dave Fast
- Two day tour October 12 and 13, 2016. Two bus loads.
- Started at Cle Elum Hatchery, toured the woosh and spawning salmon. Ate salmon luncheon at the hatchery.
- Next day of tour it rained

- Hoping that the D.C. delegates when they return will share their experience they had on the tour and explain what a great job were doing with the salmon and habitat and keep funding and the importance of our projects and the work we do.
- **KLICITAT TOUR:** John Easterbrooks
- Tour was held a day before the D.C. tour and included Phil Rigdon, John E. Bill Sharp and Jim Unsworth.
- Castile Falls and Jared Bartholomew showed us around and explained how things worked. Its truly amazing the system they have here.
- Continue tour at the Klickitat Hatchery where we met with Jason and Marilyn. Walk in freezer is now assembled.
- Lyle facility and how it operates. Fishing on the river has slowed a bit.
- Phil Rigdon talked about forestry work that was being done in area and wildlife on the wolves.
- Logging dead wood from the fire last year near Mt. Adams.
- **SPRING CHINOOK HOOKING MORTALITY STUDY:** Anthony Fritts
- Almost done with final report for review.
- Should this go through the tribe first? Will send to Dr. Dave Fast for his review and forward on.
- **SOCKEYE SALMON:** John Easterbrooks
- Is Brian gillnetting sockeye yet?
- Will start next week sometime
- John will send Brian an email by end of the week.
- Will take down “Sockeye Salmon Spawning” signs and will take to Brian’s office to store for the year. These are posted on three bridges and we don’t want hunters using them as target practice.

**STAC:** Dr. Dave Fast

- BPA NPCC RRS Workshop
- Reproductive Success BPA Power Council
- Research studies: highlighted our projects in Yakima basin
- Spawning channel (2008 and 2010)
- Pedigree study should be almost done
- 2018 will have samples analyzed
- Basin is worth the investment, due to the size and infrastructure
- No summary of meeting has been posted yet.
- **FUTURE OF OUR SALMON CONFERENCE:**
- Was held at Oregon Convention Center with high level people re: floodplain restoration
- Spring chinook IPAR, Bill Bosch will work on late November or early February.

**NEXT MEETING: December 7, 2016 at Nelson Springs**



## MEMORANDUM

**DATE:** December 12, 2016  
**TO:** Melvin R. Sampson  
**FROM:** Carol Sue Martin  
**SUBJECT: YKFP P.G. Minutes for December 7<sup>th</sup>, 2016 meeting @ Nelson Springs**

Dec. 7, 2016

Policy Group Meeting, Nelson, 9:00 (minutes by Bill Bosch)

Attendance: Mel Sampson, Dave Fast, Bill Bosch, Michelle O'Malley, John Easterbrooks, Bill Fiander, Pat Spurgin, Charlie Strom, Bill Sharp, Scott Nicolai, Anthony Fritts (on phone)

1. Agenda Review

2. NEPA

- Klickitat Hatchery complex update. Moving forward on scope of work for Hatchery upgrades (spring chinook). Lower river sites are "off the table". Steelhead – 2020 check-in to revisit future steelhead actions. J. Dixon – MA consultation, January release-of-funds, Klickitat is status quo, opinion will list concerns and actions to take (reasonable and prudent alternatives). NEPA paperwork will need to be "reframed", still looking at supplemental EIS. Discussion on timeline for getting paperwork set up so that BPA's EIS process can proceed quickly in early 2017.
- Columbia River Systems Operation EIS public meetings are in progress. YN invited to participate as cooperating agency (no decision made as of yet).

Klickitat (non-NEPA)

- Work is moving forward, e.g., chiller, 3-phase power (NOAA funded).
- Making good progress on lease and MOA with WDFW.
- Discussion of 3-party MOU between YN, BPA, and NOAA regarding how to split O&M costs in future. BPA has identified Peter Lofy as lead contact for O&M, and Mary Todd as lead for capital construction.
- Working on review and comment of proposed County and City Shoreline Master Plan updates through Dept. of Ecology process.
- April 18 is set for Klickitat science conference.

3. Budgets, Contracts

No items to discuss.



4. Construction, Maintenance, Mitigation

Charlie mentioned keystone actuator valves are being replaced.

B Sharp mentioned meeting at Lyle trap on Dec. 13 for NPCC/BPA O&M tour. While at Lyle, they will also review the Castile Facility using pictures, drawings and operator's manuals, etc.

B Fiander reported that Chandler is shut down, still working on plans for river water pump and plumbing. Scott N reported that Boone's Pond project turned into acquisition only; BPA reluctant to use site as mitigation for dried wetlands at CESRF; buying property with no connection to river will serve as sufficient mitigation; still in discussion with regulatory agencies.

5. Project Reports

- WDFW office space at M&E building, Julie Howard stated need for use agreement – looking for signed document stating that WDFW employees allowed to work in M&E building at Cle Elum, could even just be a signed memo. Pat will work on drafting a memo.

6. STAC

- a. Hooking mortality report – A. Fritts reported that he sent a draft out and is waiting for comments. Due to WDFW Board by Jan. 5. Mortality to lower end of spawn grounds was 10% and mortality to Sept. 1 (beginning of spawning) was 12%.
- b. Whooshh transport test. D Fast reported on a sort test with coho and fall Chinook (different sized fish) at Prosser. Engineers working on adjusting algorithms based on work so far. Setting up for testing at Cle Elum Dam next year.
- c. Spring Chinook internal PAR. Jan. 10, 2017. D Fast reported that original intent was for PAR to serve as peer review. Internal PAR now serves in this capacity.
- d. Steelhead release. D Fast reported on 2016 kelt reconditioning statistics, 525 held, 390+ survived to Sept blood work sampling, 340+ survived to release date in late October 2016. B Bosch reported that 2016-17 steelhead run at Prosser is projected to be about 2,000 fish based on returns through late November. J Easterbrooks and S Nicolai reported on passage restoration actions recently completed in Manastash Creek (30 miles of steelhead habitat).
- e. Sockeye harvest report. D Fast reported on CRITFC analysis of sockeye PIT returns to Bonneville Dam (estimate was about 5400 adult sockeye to Bonn with about 75% estimated to be Wenatchee stock). WDFW catch record card estimate for 2016 harvest in Yak. R. mouth fisheries won't be available until later in 2017. They will begin doing creel estimates in this fishery in 2017.

7. Next Meeting: Weds, Jan. 18, 2017 at Nelson.

## Appendix C: YKFP Policy Group Decision Documents

Document ID	Date	Description
2001-01	2/21/2001	Easton Ponds Coho Acclimation
2002-01	3/26/2002	Easton Ponds Coho Smolt Acclimation
2002-02	3/26/2002	Evaluation of energy expenditure in adult salmon and steelhead migrating upstream in the Columbia and Snake rivers: understanding the influence of delay, fallback, water temperature, and dam operations on fish performance.
2002-03	3/26/2002	Approval and implementation of the preferred domestication experimental design for upper Yakima River spring chinook salmon.
2002-04	3/26/2002	Determine the effects of genetics and food on age 0+ precocial maturation of spring chinook salmon at the Cle Elum Hatchery.
2002-05	3/26/2002	Determination of YKFP action on supplementation fish that result from adults with high and/or very high BKD levels.
2003-01	5/20/2003	Disposition of fry from predator and behavioral dominance assays.
2003-02	12/1/2003	Monitoring of the wild control line of spring Chinook in the Naches River system.
2003-03	12/1/2003	Develop Yakima Basin Master Plans for steelhead, fall chinook, sockeye, and lamprey.
2003-04	12/1/2003	NOAA Fisheries precocial minimization: Test whether early ponding and growth manipulations can significantly reduce the incidence of precocialism, without unintended negative consequences.
2004-01	9/15/2004	Change the containment objective for cutthroat trout from 0% impact to not to exceed 10% impact in the main stem and 40% impact in the tributaries. Investigation of the cause of impacts for resident trout (rainbow, cutthroat) in tributaries will be initiated at or before decreases of 20%.
2006-01	5/24/2006	Terminate the precocial minimization (normal versus slowed growth feeding regime) experiment at CESRF after three brood years of study. Direct CESRF personnel to use the normal growth feeding regime for all ponds beginning with brood year 2005 fish.
2006-02	9/15/2006	Do not collect broodstock for the wild control line during 2006 because of potential harm to the Naches population and the uncertainty of being able to collect a sufficient sample size.

Document ID	Date	Description
2006-03	12/18/2006	Test the effect of emergence timing on age-1 male maturation (precocious parr) in Yakima River Spring Chinook salmon.
2007-01	2/26/2007	Authorize CESRF personnel to implement a control/treatment study at the acclimation sites using the BioTransfer (saltwater transfer) diet beginning with brood year 2005 fish.
2007-02	2/22/2007	Do not collect Naches population wild control broodstock unless Naches Basin estimated escapement is 500 or more adults.
2007-03	3/28/2007	Conduct genetically based pedigree analyses to identify the treatment origin of hatchery fish when pre-season forecasts suggest that fewer than 120 HC fish will return to the upper Yakima and prioritization of adult HC pedigree is higher than spawning channel fry pedigree.
2007-04	8/17/2007	Based on current information on the number of HC broodstock on hand plan on suspending the Reproductive Success spawning channel study for just 2007. Reassess the plan subject to the results of the first broodstock sort. Suspended tasks would include work associated with monitoring spawning adults, maintaining fry traps, and sampling fry production.
2008-01	8/5/2008	Authorize the Yakama Nation to proceed with the proposal to re-establish a summer run component to enhance viable salmon population parameters for Fall Chinook in the Yakima Basin. The Yakama Nation will work with WDFW to develop monitoring and evaluation measures for adult returns to the spawning grounds that are sufficient to address concerns regarding spatial and temporal overlap and potential genetic introgression with spring Chinook. The entire proposal including M&E measures will be included in the Fall Chinook Master Plan.
2013-01	2/28/2013	Transfer Accords budget for Yakima steelhead acclimation facilities to corresponding budgets for construction, operation and maintenance of the hatchery facilities at the Holmes property.
2013-02	12/13/2013	Approve and forward the spring Chinook, fall Chinook, and coho HGMPs by the Yakama Nation and WDFW to NOAA Fisheries for ESA consultation purposes.
2014-01	8/7/2014	Approve research at the CESRF to study the effect of parent age on the rate of minijack production among male progeny of spring Chinook and the effect of parent age, size, and egg size on the growth (length and weight) of spring Chinook at the Fry and Parr stage.
2014-02	10/23/2014	Approve the use of the CESRF spawning channel for steelhead kelt reproductive success research beginning in the late winter/spring of 2015.

<b>Document ID</b>	<b>Date</b>	<b>Description</b>
2015-01	08/11/2015	Suspend collection of broodstock for the Naches wild control line in 2015 because of potential harm to the Naches population due to high water temperatures.
2016-01 Klick/Lyle shop construction	02/24/2016	Relocate existing bullpen at Lyle Falls trap and construct a new 2400 sq. ft. pre-engineered steel building (40' wide, 60' long, and 15' high) with 6" thick concrete slab on grade to accommodate the weight of the reach fork (30,000 lbs).
2016-02 Klick/Lyle shop construction	04/26/2016	Prepare area and construct new truck shop/maintenance building at the Klickitat Hatchery to support YKFP hatchery operations.
2016-03 3-phase power KPUD	7/15/2016	Contract with KPUD to upgrade electrical service to the Klickitat Hatchery.
2016-04 Suspend Naches Wild Control	7/19/2016	Suspend collection of wild control line broodstock from the Naches River during BY2016 due to concerns about the impact to the population.