



Yakima River Management and Data (YKFP) Annual Report

for Project Activities from 10/1/2015 to 9/30/2016



BPA Project # 1988-120-25

Report covers work performed under BPA contract #(s) 56662 REL 96

Report was completed under BPA contract #(s) 56662 REL 115

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

December 1, 2016

This report was funded by the Bonneville Power Administration (BPA), U.S. Department of Energy, as part of BPA's program to protect, mitigate, and enhance fish and wildlife affected by the development and operation of hydroelectric facilities on the Columbia River and its tributaries. The views in this report are the author's and do not necessarily represent the views of BPA.

This report should be cited as follows: Mel Sampson, Dave Fast, Bill Bosch, Yakima River Management and Data (YKFP) Annual Report, 10/1/2015 – 9/30/2016, 1988-120-25

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1. Executive Summary

This Management and Data project (1988-120-25) is the overall umbrella organization for the Yakima River Portion of the Yakima/Klickitat Fisheries Project (YKFP), which includes a number of sub-projects that address facilities operations and maintenance (O&M) and research, monitoring and evaluation (RME). This project includes the overall management and administration, as well as the data management, for the entire Yakima Subbasin YKFP program. This report summarizes project achievements relative to management oversight, policy development, project planning, administrative support, data management, communication of science results (project annual review), and watershed planning.

YKFP-related habitat activities for the Yakima Subbasin are addressed under project 1997-051-00. Hatchery Production Implementation (O&M) is reported under project 1997-013-25. Yakima Basin research, monitoring, and evaluation (RME) is reported under project 1995-063-25. Klickitat Basin RME, Watershed Enhancement, Management/Data, and O&M are reported under projects 1995-063-35, 1997-056-00, 1988-120-35 and 1997-013-35 respectively. Well field data for the Cle Elum Supplementation and Research Facility (CESRF) are reported quarterly to the Washington State Department of Ecology with copies to personnel at BPA. Yakima Basin Steelhead (*O. mykiss*) RME work is reported in related viable salmon population (VSP; 2010-030-00) and Kelt Reconditioning (Columbia River Inter-Tribal Fish Commission-CRITFC 2008-458-00 and 2007-401-00) projects. The Washington Department of Fish and Wildlife (WDFW) is reporting hatchery uncertainties related to genetic and ecological interactions under project 1995-064-25.

2. Introduction

The Yakima/Klickitat Fisheries Project (YKFP or Project) is split into several sub-projects (Monitoring and Evaluation, Operations and Maintenance, and Construction) under the overall umbrella for the program. The Management and Data project includes the overall management and administration, as well as the data management, of the YKFP program. Habitat protection and restoration components have been combined with the Side Channels (1997-051-00) to form a fish habitat and land acquisition project.

This project provides for all Yakama Nation (YN) management and coordination functions associated with the YKFP in the Yakima Subbasin. The YKFP was initially established in a 1994 Memorandum of Agreement with the Washington Department of Fish and Wildlife (WDFW; project co-manager) as the Yakima Fisheries Project (YFP), the purpose of which was to implement and evaluate artificial propagation methods used to restore and rebuild anadromous fish populations in the subbasin. The YFP was subsequently expanded to include the Klickitat Subbasin and became the YKFP. However, Klickitat Subbasin management and coordination activities are covered under a separate Bonneville Power Administration (BPA) project, 1988-120-35. 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.

Principal YKFP activities include the use of artificial propagation of juvenile fish derived from natural origin broodstock to supplement the natural populations of spring Chinook, fall Chinook and coho. Activities also include actions to increase harvest opportunities and to protect and improve available habitat for the supplemented populations. Research, monitoring and evaluation (Project 1995-063-25) is performed to address, among other issues, (1) the effects of supplementation on the natural populations, (2) the effectiveness of juvenile rearing methods and acclimation in achieving juvenile survival and supplementation objectives, (3) ecological impacts from supplementation, and (4) the development of data to allow adjustments to hatchery and acclimation operations to meet project objectives according to adaptive management principles. Supplementation activities must be coordinated with habitat availability to manage ecological risks and optimize natural production and adult recruitment.

The YKFP is a complex and comprehensive project that requires significant management and administrative resources. It includes fish production and research facilities, numerous research programs and habitat protection and maintenance activities. The Yakama Nation serves as the YKFP “Lead Agency” and is responsible for implementation of all YKFP programs; including managing and directing YKFP project employees, developing and administering associated project budgets, and ensuring the quality and efficiency of project activities.

Implementation is coordinated with WDFW, which participates in project planning and performs certain research activities related to ecological interactions, genetics research and analysis, and reproductive success of supplementation fish. In broad categories, the Yakama Nation, as Lead Agency implements and coordinates:

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, development and administration of a centralized database for Project use and dissemination to others;
5. Habitat restoration and protection projects within the target ecosystem;
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.
7. Coordination and integration of Klickitat and Yakima Basin research and data management activities.

To meet its lead agency responsibilities, the Yakama Nation employs approximately 100 people, including managers, scientists, technicians, fish culturists, laborers and office support personnel. Project management personnel work out of the YKFP's Central Office in Toppenish, Washington, the Nelson Springs Office and Research Facility northeast of Yakima, Washington and a satellite office in Ellensburg, Washington (Figure 1).

The contract (#56662 REL 96) addressed in this report implements the Management and Data project and 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 Yakima Subbasin. Management services funded by this contract include oversight and support of the following YKFP programs:

1. O&M Lower Yakima River Supplementation and Research Complex,
2. O&M Upper Yakima River Supplementation and Research Complex
3. Yakima Basin Monitoring and Evaluation
4. Yakima Basin Side Channels Land Acquisition

5. YN Coho Hatchery Program Holmes Step 2/3
6. Coho Production Facility & Marking
7. YN Project to provide VSP Estimates

The success of all YKFP projects depends on the administrative structure funding provided by this contract. The Yakama Nation's management and coordination responsibilities are expected to continue through and beyond the contract performance period.

This contract has seven primary objectives:

1. Provide comprehensive management oversight of the implementation of YKFP activities.
2. Support YN policy development related to YKFP activities in the Yakima 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 realty services coordination and technical review.
5. Design, develop and manage data storage and information systems for all Yakima-Basin generated YKFP project data. Coordinate Yakima Basin data management activities with Klickitat, other Yakama Nation Fisheries projects, inter-tribal and regional data management activities and goals.
6. Schedule and conduct the Yakima Basin Aquatic Science and Management Conference (incorporates Project Annual Review), which includes presentations by project scientists and provides for peer review of research activities.
7. Participate in watershed planning, protection and restoration initiatives by various agencies, groups and committees.

This report documents activities and results related to the primary contract objectives listed above.

Other YKFP Project Reporting

Activities and results for other YKFP projects are reported elsewhere as noted in the following:

YKFP-related habitat activities for the Yakima Subbasin are addressed under project [1997-051-00](#). Hatchery Production Implementation (O&M) is reported under project [1997-013-25](#). Yakima Basin research, monitoring, and evaluation and 2008-465-00 MRSCF initial draw,

procurement and build phase (RME) is reported under project [1995-063-25](#). Klickitat Basin RME, Watershed Enhancement, Management/Data, and O&M are reported under projects [1995-063-35](#), [1997-056-00](#), [1988-120-35](#) and [1997-013-35](#) respectively. Well field data for the Cle Elum Supplementation and Research Facility (CESRF) are reported quarterly to the Washington State Department of Ecology with copies to personnel at BPA. Yakima Basin Steelhead (*O. mykiss*) RME work is reported in related VSP ([2010-030-00](#)) and Kelt Reconditioning (CRITFC [2008-458-00](#) and [2007-401-00](#)) projects. WDFW is reporting hatchery uncertainties related to genetic and ecological interactions under project [1995-064-25](#).

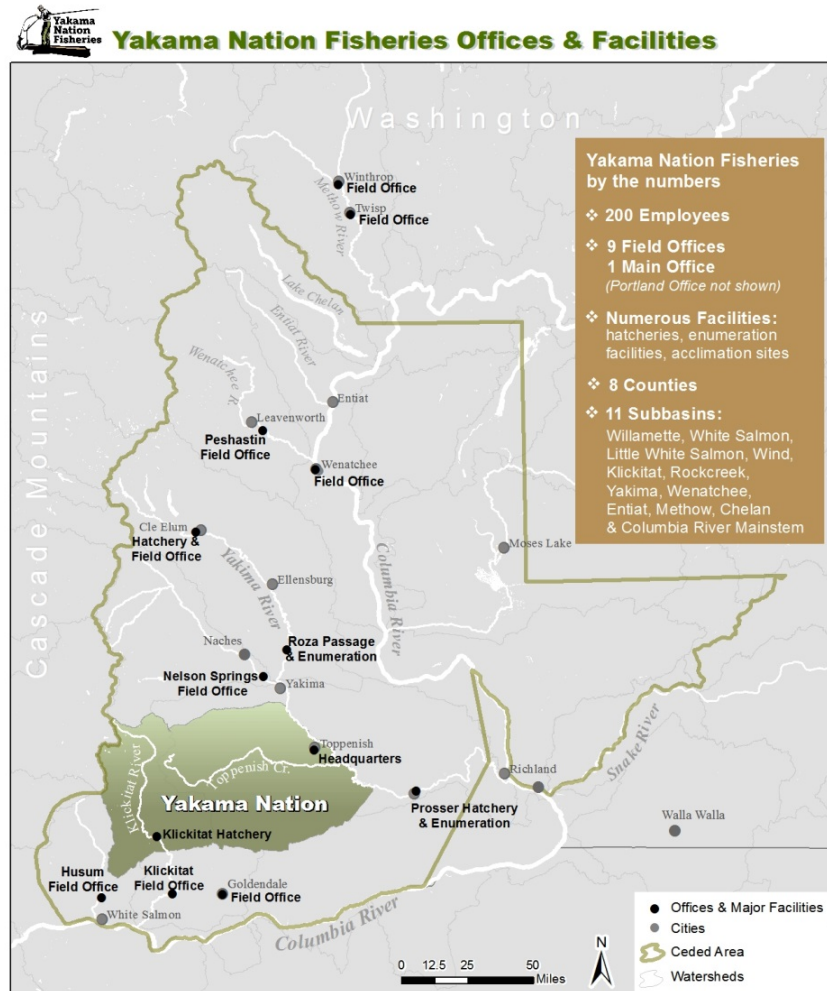


Figure 1. Yakama Nation Fisheries Offices and Facilities.

3. **Provide comprehensive management oversight of the implementation of YKFP activities.**

Methods: The YKFP is co-managed by the Yakama Nation (YN) and the Washington State Department of Fish and Wildlife (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. The YKFP MOA provides for review and approval of annual planning documents by the YKFP's Policy Group. The Project's Science Technical Advisory Committee (STAC), consists of senior biologists from the Yakama Nation and WDFW, and advises the Policy Group. The Policy Group works closely with Bonneville Power Administration (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 (Oct. 1, 2015-Sep. 30, 2016) are provided in Appendix B. Management and Data personnel also provided policy support for development and implementation of procurement procedures for the Melvin R. Sampson Coho Facility EPC contracting process together with BPA.

4. **Support YN policy development related to YKFP activities in the Yakima and Klickitat Subbasins.**

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 Yakama Nation 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 Yakama Nation and WDFW maintain adequate participation in NPCC processes and other local and regional activities that affect the Project.

Results and Discussion: During this performance period, YKFP personnel actively engaged in: review of Independent Scientific Advisory Board and Review Panel reports, NPCC cost-savings workgroup and Columbia Basin Research Plan-related processes, ongoing negotiations with the U.S. Army Corps of Engineers regarding expansion of John Day Mitigation fall Chinook production, and review and monitoring of the Mitchell Act Hatchery EIS and Hydrosystem Biological Opinion documentation and processes.

The YKFP also monitored regional litigation activities that have the potential for affecting Project funding and operations. These 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 Bureau of Reclamation, the Washington Department of Ecology, and other subbasin interests as part of the Yakima Basin Integrated Water Resource Management Plan, which concerns water resources development projects that promote fish habitat and passage in the Subbasin, and thereby further YKFP stock restoration and reintroduction efforts. On a local level, the YKFP coordinated with local governments on land use matters (e.g. Kittitas County land use ordinance updates) that affect aquatic health and carrying capacity of streams that are also crucial to the success of YKFP fish stock restoration and reintroduction.

5. 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 Yakima Subbasins. 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 and operations documents. Coordinate these functions with the co-manager, science and technical advisory committee (STAC), and other agencies, as necessary.

Results and Discussion: Project personnel participated in the development of documents relating to implementation of the Melvin R. Sampson Coho Facility on the Holmes property as well as continued updates to the "Klickitat River Anadromous Fisheries Master Plan". A comprehensive list of YKFP Policy Group decision documents, used to adaptively manage the project, is provided in Appendix C.

6. Provide required administrative support for Project operations, including financial management and accountability and realty services coordination and technical review.

Methods: The financial management and compliance monitoring for BPA intergovernmental contracts and YKFP subcontracts requires extensive attention and effort. The compliance, accountability and contracting requirements are internal for both the Yakama Nation 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 modifications, and year-end closeouts were completed as necessary. Also assisted habitat project staff in development of realty acquisition documents, including purchase and sales agreements and conservation easements requirement for BPA funding on habitat property purchases.

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

Methods: One of the YKFP's primary objectives is to develop and provide information about supplementation activities and results to resource managers and scientists throughout the Columbia River basin, so that regional recovery activities may be improved to better mitigate effects of hydroelectric operations on anadromous fisheries. Under this objective, we are working to standardize, consolidate, centralize, and make accessible all data and information that is generated by the YKFP within the Yakima River Basin and coordinate activities with other YN projects as well as regional data management and sharing goals. Note that a separate data manager is employed with this same objective for the Klickitat Subbasin.

The Yakama Nation has been collecting and reporting fish related information, including fish population status and hatchery performance data for many years now. We have participated in and contributed to the Collaborative Systemwide Performance and Evaluation (CSMEP) and Coordinated Assessments (CA) projects over the past 20+ years, and we continue to make progress in meeting project, tribal, and regional data management and data sharing expectations. The YKFP has been maintaining, updating and sharing project data and information regularly through its ykfp.org web site as well as a number of other web sites and methods (Appendix A).

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. YKFP data managers oversee the

maintenance, development, quality control, and backup of these databases. To the maximum extent possible, data are integrated with regional databases (e.g., DART, 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:

We continue to believe that the best way to prioritize our data management work load is to develop databases to store the status and trend data we have been collecting over many years as well as the web tools necessary to access these data in downloadable format. Over the past two years we have used resources provided under existing YN (Yakima and Klickitat Management, Data, M&E and STAR) projects as well as the CRITFC Tribal Data Network project to purchase servers and begin to populate them with long-term status and trend data sets. We now have a pilot system up and running (beta test version) that serves Yakima Basin adult abundance and trap sampling data for the Prosser and Roza data sets. This pilot system can be accessed at: <http://dashboard.yakamafish-star.net/drupal/>. Log in with user name, 'NSexternal' and password, 'SaveTheFish'.

Other major data management accomplishments to date include:

- Development and maintenance of ykfp.org web site to host information relating to Yakima and Klickitat Basin project activities including: redd counts, juvenile and adult migration counts, technical reports and publications, project review/conference information, etc.
- Comprehensive VSP accounting and reporting for Yakima Basin spring Chinook (see Appendix B in [YKFP M&E 199506325 Annual Report](#))
- Automated integration of Prosser and Roza dam daily count data with [DART](#) (though this is being phased out as we continue to develop and expand the pilot system briefly described above)
- Integration of PIT and CWT release and recovery data with [PTAGIS](#), [RMPC](#), and [Fish Passage Center](#) databases
- Production and support of data bases necessary to support BPA quarterly and annual reports (available via Pisces and [cbfish.org](#))
- Production and support of data bases necessary to support NPCC project proposals (available via [CBfish.org](#))
- Development and maintenance of databases to support the following M&E data collection activities: Prosser and Roza video counts; Prosser denil and Roza adult trap

sampling; Yakima Basin juvenile migration timing and biological data sampling; juvenile PIT tagging operations at all subbasin locations; Cle Elum spring Chinook spawning and rearing; Cle Elum facility water usage, temperature, and flow monitoring; Prosser steelhead kelt reconditioning; spawner surveys at all subbasin locations; scale sampling; age and sex composition; radio telemetry and tracking; Klickitat habitat surveys; Lyle Falls adult trap counts; Klickitat smolt trap counts; Klickitat stream temperature and sediment data; Zone 6 and tributary harvest accounting; and Zone 6 Treaty commercial fish ticket accounting

- Development of a server with “legacy” (historical archive) databases pursuant to the Tribal Data Network project to facilitate off-site backups as well as internal project and regional sharing of data. For pilot access to some of these data sets see <http://dashboard.yakamafish-star.net/drupal/>. Log in with user name, ‘NSexternal’ and password, ‘SaveTheFish’.
- Development of queries and data tables to support statistical analyses for manuscripts and annual reports
- 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
- Continued participation in regional processes and workshops (e.g., Coordinated Assessments) to prioritize regional data management needs and develop a pilot regional VSP database

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 National Oceanic and Atmospheric Administration – National Marine Fisheries Service, U.S. Bureau of Reclamation, U.S. Forest Service Naches Ranger District, U.S. Geological Survey,

Yakima Subbasin Fish and Wildlife Recovery Board, Pacific States Marine Fisheries Commission, Columbia River Inter-Tribal Fish Commission, University of Idaho, University of Washington, Central Washington University, Eastern Washington University, Mobrand, Jones, and Stokes, and several other consultants and contractors.

8. Schedule and conduct the YKFP's Science & Management Conference (incorporates Project Annual Review), which includes presentations by project scientists and provides for peer review of research activities.

Methods: An explicit goal of the YKFP is to assess the performance and impacts of supplementation so that it might be better used to mitigate effects on anadromous fisheries throughout the Columbia River Basin. The Project schedules and conducts an annual project review, which includes presentations on the annual progress and results of specific scientific and resources management tasks comprised by the Project. Invitations to the conference are provided to persons and organizations throughout the region that are interested in the YKFP. The agenda, abstracts, and presentations from the review are posted to the project web site and provide an accurate and complete record of the proceedings. The public conference is preceded by a formal technical meeting (internal project review) to review and discuss all ongoing experimental tasks, whether they are still needed, and if so, any changes or improvements that could be implemented moving forward. Conference records afford the opportunity to employ adaptive management and assist the Policy Group in Project planning and management activities.

Results and Discussion: The 2016 Yakima Science Conference was held on June 15-16, 2016 and the results are available [here](#). Minutes of the internal project reviews are maintained by YKFP staff and are available upon request. For a complete list of reports and publications related to YKFP work in the Yakima Basin, see references in the 2016 [YKFP M&E 199506325 Annual Report](#). A synthesis of findings from the Cle Elum Spring Chinook Supplementation and Research project was published in the AFS North American Journal of Aquaculture in the summer of 2015.

9. 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 to promote Project goals. Provide comments on land use projects as applicable to watershed stewardship.

Results and Discussion

Land use coordination occurred on many land use proposals and comprehensive plan amendments, involving rural and mineral lands designations, flood and shoreline planning and critical areas protection standards.

Restoration of stream and floodplain habitat was implemented on SF Cowiche Creek, in collaboration with Mid Columbia Fisheries Enhancement Group, and with funding from Washington State Resource Conservation Office.

Floodplain restoration occurred in Indian Creek, which is a tributary to the NF Teanaway. This project serves as a pilot project for future restoration on the Washington State owned Teanaway Community Forest Trust, which encompasses over 50,000 acres in the Teanaway, Swauk and Cabin Creek watersheds.

Floodplain restoration also occurred in NF Taneum in collaboration with The Nature Conservancy, and in Oak Creek in collaboration with Washington Department of Fish and Wildlife.

Restoration designs were developed and finalized for the next phase of restoration in the Teanaway Community Forest and USFS lands. This project encompasses over 8.5 stream miles in eight tributaries to the mainstems in the Teanaway and Swauk watersheds. Implementation is planned for 2017-18. Collaboration with state agencies and environmental groups is embodied in this project approach.

10. 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. 2012b. ISRP Review of the Yakima Subbasin Summer and Fall Run Chinook and Coho Salmon Hatchery Master Plan. Northwest Power and Conservation Council, Portland, OR. [ISRP 2012-13](#).
- ISRP. 2013a. Response Review of the Klickitat Master Plan. Northwest Power and Conservation Council, Portland, OR. [ISRP 2013-1](#).

- ISRP. 2013b. Response Review of the Yakima Subbasin Summer and Fall Run Chinook and Coho Salmon Hatchery Master Plan. Northwest Power and Conservation Council, Portland, OR. [ISRP 2013-8](#).
- 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. 2012a. Yakima Subbasin Summer-and Fall-Run Chinook and Coho Salmon Hatchery Master Plan. Prepared by the Confederated Tribes and Bands of the Yakama Nation for the Bonneville Power Administration and Northwest Power and Conservation Council. Yakama Nation Fisheries, Toppenish, WA. May 2012.
- 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. 2013b. Response of the Yakama Nation to the comments offered by the Independent Scientific Review Panel following their review of the Yakima Subbasin Summer and Fall Run Chinook and Coho Salmon Hatchery Master Plan (Project No. 1988-115-25; ISRP 2012-13). Yakama Nation Fisheries, Toppenish, WA. February 21, 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.
- Yakama Nation. 2013d. [Sponsor Response to Independent Scientific Review Panel Assessment: Project Number: 1988-120-25 Review: 2013 Geographic Review](#). Yakama Nation Fisheries, Toppenish, WA. July 2, 2013.

Appendix A: Use of Data & Products

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

[Fish Passage Center](#)

[Yakama Nation Fisheries website](#)

[DART - Data Access in Real Time](#)

[RMIS - Regional Mark Information System](#)

[Yakima-Klickitat Fisheries Project website](#)

cbfish.org

[StreamNet Database](#)

[PTAGIS Website](#)

For pilot access to additional project data sets see <http://dashboard.yakamafish-star.net/drupal/>. Log in with user name, 'NSexternal' and password, 'SaveTheFish'.

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

- Prosser and Roza dam daily count and trap sample data <http://dashboard.yakamafish-star.net/drupal/>. Log in with user name, 'NSexternal' and password, 'SaveTheFish'.
- 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 (PISCES) and annual reports (available via cbfish.org 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; Klickitat Basin, contact Michael Babcock, mbabcock@ykfp.org). Project data managers continue to participate in the Coordinated Assessments process to develop pilot exchange templates for adult and juvenile abundance and productivity parameters. However, we continue to believe that the best way to prioritize our data management work load is to develop databases to store the status and trend data we have been collecting over many years as well as the web tools necessary to access these data in downloadable format. The pilot system to share Prosser and Roza dam daily count and trap sample data is an example of the progress we are making towards this end.

Appendix B: YKFP Policy Group Minutes



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.
- Capitol Clouse, safety letter closeout. Any response to our response? James Beasley will go over this when ready. Khanida as that this be placed on hold until there was a better time to meet and go over this.
- CAP Construction O&M, Lori Bodi will be back in Nov. MaryTodd sent Bill and Pat Spurgin by email and list of dates for another meeting on project actions that were proposing.



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 21st 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 19th.

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 hacr update
- d. other

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

8. RECESS

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



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 20th 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 19th, 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 Cowiche 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 17th 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 Pitt 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. CONSTRUCCION, Maintenance, Mitigatioin
 - 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:

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- 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

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
- 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 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.
- 4th 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 tribs 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 28th, 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 27th.
- 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:

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 2nd 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 tribbs, PIT array readers seasonally operating in host of tribbs, 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, 2nd 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. 1st wave sockeye spawning one week ago; 2nd 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 me 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

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.
2006-03	12/18/2006	Test the effect of emergence timing on age-1 male maturation (precocious parr) in Yakima River Spring Chinook salmon.

Document ID	Date	Description
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.
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.

Document ID	Date	Description
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.