



Yakima River Management and Data (YKFP) Annual Report for Project Activities from 10/1/2017 to 9/30/2018

BPA Project # 1988-120-25

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

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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 140) 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 Melvin R. Sampson Coho

Facility 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](#).

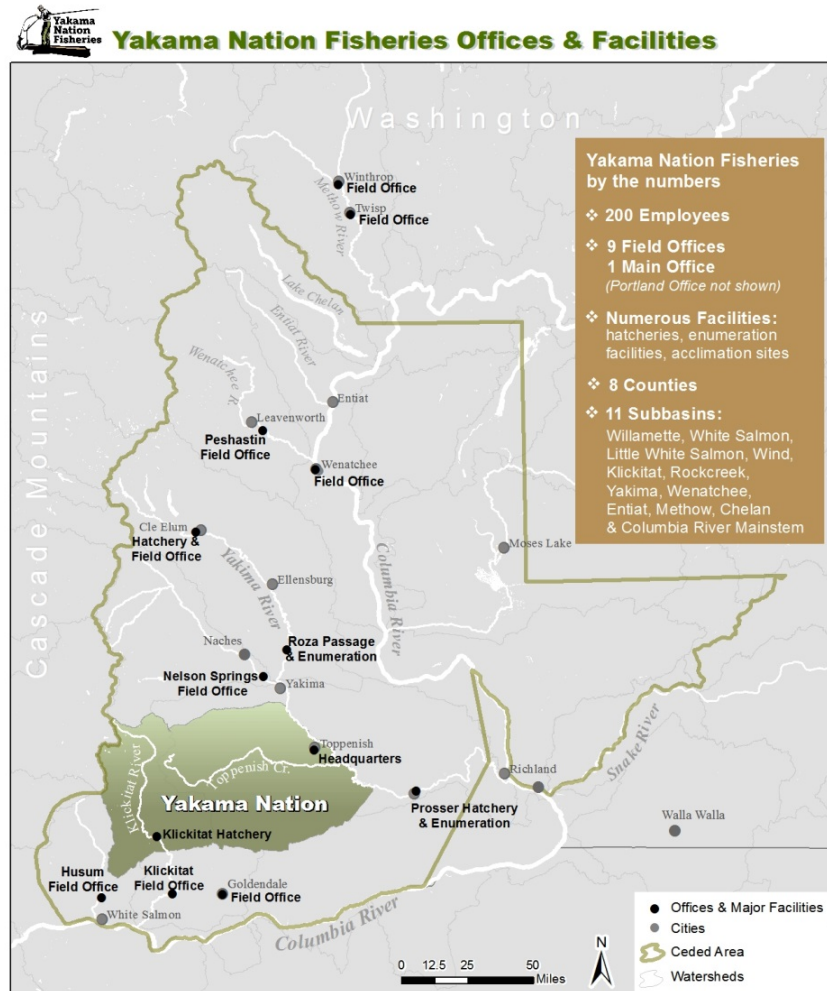


Figure 1. Yakama Nation Fisheries Offices and Facilities.

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 meets regularly to review project related activities and to discuss and address issues as they arise. Minutes of meetings conducted during this project period (Oct. 1, 2017-Sep. 30, 2018) are provided in Appendix B. Management and Data personnel also provided policy support for development and implementation of the Melvin R. Sampson Coho Facility 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 NPCC reports and 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 several 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 system up and running that serves Yakima Basin adult abundance and trap sampling data for the Prosser and Roza data sets. This system can be accessed at: <http://dashboard.yakamafish-star.net/DataQuery>.

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 access to some of these data sets see <http://dashboard.yakamafish-star.net/DataQuery>.
- 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 2018 Yakima Science Conference was held on June 13-14, 2018 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 2018 [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 flood and shoreline planning and critical areas protection standards. Continued to provide input to state agencies charged with managing the 50k acre Teanaway Community Forest. Input affected installation of livestock fence exclusion, road closures/abandonment improvements, trail design, recreation planning.

Restoration of stream and floodplain habitat was commenced on the following streams:

Teanaway Community Forest – 3.5 tributary stream miles via wood placements with heavy equipment and hand crews. Affected streams include Indian, Rye, Dickey and First Creeks.

Little Naches River, Little Rattlesnake, Umtanum, NF Manastash, Swauk and Lick Creeks – helicopter placement began, of over 6,000 pieces of large wood on over 23 stream miles total, via helicopter.

Matching funds for watershed restoration were secured from Washington State Salmon Recovery Funding Board for three projects, and a large restoration project in the Teanaway from Washington State Department of Ecology.

Preliminary restoration designs were developed for restoration on Taneum Creek and NF Teanaway. Planning occurred for additional helicopter-based restoration on Little Rattlesnake and NF Manastash Creeks, planned for summer/fall 2019 implementation.

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](#).
- ISRP. 2018. ISRP Step 2 and 3 Review for the Melvin R. Sampson Coho Facility – Response Requested. Northwest Power and Conservation Council, Portland, OR. [ISRP 2018-6](#).
- 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.

Yakama Nation. 2018. Yakama Nation Response to ISRP 2013-8 Response Review of the Yakima Subbasin Summer and Fall Run Chinook and Coho Salmon Hatchery Master Plan. Yakama Nation Fisheries, Toppenish, WA. May 23, 2018.

Appendix A: Use of Data & Products

All data and findings should be considered preliminary until results are published in the peer-reviewed literature.

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](#)

[StreamNet Database](#)

[cbfish.org](#)

[PTAGIS Website](#)

[Washington State SaSI](#)

A system has been developed that serves Yakima Basin adult abundance and trap sampling (requires login) data for the Prosser and Roza data sets. This system can be accessed at: <http://dashboard.yakamafish-star.net/DataQuery>.

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/DataQuery>.
- 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 [cbfish](#) web site)
- Production and support of data bases necessary to support NPCC project proposals (available via [CBfish.org](#))

Additional data is available on the [ykfp.org](#) web site and by email contact through the data managers (Yakima Basin, contact Bill Bosch, bill_bosch@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 system we have developed 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

October and November 2017 PGM Meetings were Postponed



MEMORANDUM

Yakima-Klickitat Fisheries Project

Policy Group Meeting

12/20/17

Nelson Springs Office

Attendance: Mel Sampson, Dave Fast, John Easterbrooks, Bill Bosch (notes), Scott Nicolai, Ashton Bunce, Anthony Fritts, Pat Spurgin, Mary Todd Haight

Scott introduced Ashton and Wilbur Barrick who will be located in Naches Ranger District working on National Historic Preservation Act surveys so that habitat projects can move forward.

2. NEPA status/updates (Judy Woodward on phone). Klickitat Hatchery. Held scoping meeting in Lyle. Low attendance and very few public comments. WDFW will be a cooperating agency and EPA has asked to be cooperating agency as have to issue new NPDES permit. Will need some substantive analysis of water quality. Also requested that NMFS be a cooperating agency but have not yet heard back from them. MT-BPA has said they will not do O&M so need more conversation going forward. This needs to be resolved to get Council process moving. Working on getting bid documents developed. Working on resolving procurement issues as well re contracting, insurance, etc. JW-question re timeline for getting Master Plan completed and through the NPCC process. The group suggested maybe sometime in February to have documents ready for submittal, with another 90 days before NPCC/ISRP review complete. This affects the EIS schedule. JW asked who will bring NMFS into the conversation. PS stated that YN will try to lead a three-way conversation on the O&M issue. JW needs to know what information NMFS needs in the EIS.

MRS coho facility. Final EIS has been issued but no ROD. Still trying to resolve water issue. Chiller size and O&M are also issues.

3. Budgets/Contracts. PS noted tension between finding savings and hearing from some folks at BPA that seem to be mandating where reductions need to occur which is not consistent with discussions YN has been involved in and a partnership. MT said incentive from their mgmt. was to find savings to offset extra spill that has been mandated and is working on estimating cost of this spill. Hoping to find savings in training and travel. BPA trying to figure out how to cover Science and Management conferences in both Yakima and Klickitat as they are in contract deliverables. MT asked who letter to give guidance

should be from and YN responded that B. Mercier would be appropriate. Local attendance isn't as much of an issue as registration and other fees for one-day conferences.

4. Construction, Maintenance, Mitigation. No discussion.
5. Project Reports. None were sent out (Carol Sue on use or lose leave).
6. STAC
 - a) Science and Management Conference (June 13-14 tent.). Need to get started in January.
 - b) Internal PAR agenda review – add integrated plan smolt survival study to Fall Chinook/Coho 2nd day IPAR agenda
BB presented a few slides on the following:
 - c) Spring Chinook preview
 - d) Tagging Summary
 - e) PIT-based check on abundance and harvest data

Scott discussed some of the helicopter wood placement projects. Getting wood back into our tributary systems is one of the first and best things we can do for climate change adaptation. Scott is on a flood advisory committee for Kittitas county and may be some dollars for work in Yakima basin. Teanaway community forest – 60 log-trucks of wood have been placed. Working on committee that will try to keep new motorized trails out of floodplain.

Next meeting: January 17, 2018 1:30 pm Nelson Springs



MEMORANDUM

DATE: January 17, 2018
TO: Melvin R. Sampson
FROM: Carol Sue Martin
SUBJECT: **YKFP P.G. Minutes for January 17, 2018 meeting @ Nelson Springs**

Meeting called to order @1:55 PM

In Attendance: John Easterbrooks, Anthony Fritts, Charlie Strom, Dr. Dave Fast, Bill Bosch, Bill Sharp, Bill Fiander, Patrick Spurgin, MaryTodd Haight, Michelle O'Malley. Melvin R. Sampson called into meeting.

Agenda Review:

- Added agenda item: WDFW property @ Lyle Falls (John E.)

NEPA:

- Pisces training coming up, Michelle M. will check into getting a trainer here for Pisces training to cut cost down on travelers that need training. Closest one is in Wenatchee.
- M&E will now go to monitoring and everything else in Pisces should just transfer over. The only difference will be how you access Pisces.
- MaryTodd: BPA review of YN's Master Plan Klickitat revision done by next week. Working on cover letter and get submitted to Council. This will keep NEPA going and moving forward.
- Question asked to John Easterbrooks if they had a replacement for him yet, when he retires. Not at this time.
- Bill Sharp indicated that they were looking into nesting Eagles around the hatchery. Eagles appear but, do not nest near the hatchery.

BUDGETS:

- Un-invoiced work? After looking at the invoices, this does not include any of the YKFP invoices that Mary Todd & Michelle are working on. So this discussion is not needed at this time.
- Will update you with better information to confirm whether this is an issue.
- Final Invoices: Occasionally BPA receives mis-marked final invoices, in this event it causes a ripple effect of re-work. Only 4 mis-marked invoices received over past 2 years. Not a huge concern, but want to let you know it causes additional work when it does happen.
- Bundling projects? Does this go against portfolios?

CONSTRUCTION:

- MRS update: need water rights to develop record of decision.
- Proceeding with final design
- Design is 75% water reuse design, no longer includes infrastructure to change to 95% design. Department of Ecology effects of groundwater withdrawal.
- Hydrogeo is what needs resolution.

PROJECT REPORTS:

- Reports were sent out and no discussion on these

STAC:

- Had internal PAR on spring Chinook this morning here at Nelson Springs before the Policy Group meeting. Had fifteen people on hand.
- Moving forward on Science and Mgmt. Conference. Trying to get John Easterbrooks to be a speaker re: 35-years in basin.
- Number for Klickitat Hatchery, mortality on fall Chinook is higher than normal. Received some eggs from Priest, Little White and from Ringold. Moving eggs and milt is always challenging.

- Like to use local broodstock it has better benefits.
- Summer Chinook is short this year. Melinda was waiting to hear from Enitiat and just found out they don't have any eggs. Survival in summers is low.
- Sockeye: are we going to be able to do anything this year? Not doing the Whoosh this year, but still placing Sockeye into the lake.
- WDFW works with PUD on the Facility Use Agreement.
- Is the YN Office of Legal Counsel working with the PUD this year on the Sovereign Immunity Clause? If not, should start working on it now, in order to collect Sockeye.
- Patrick Spurgin asked Billy, where we are with Master Plan for Prosser, Marion Drain and Summer Fall Chinook program?
- Lyle Falls – Region 5 issues. Vehicles parked, camping site and trash on Lyle region 5 south. They didn't know whom to contact and got ahold of John.
- Brought information to Policy Group. Bill Sharp is aware of the problem and also has made Steve Parker, Paul Ward aware of issues. Bill will also let Lottie Sam of YN Law and Order Committee know of this.
- Jeannette Burkhardt in past was the person who organized Post Cleanup efforts in this area. This didn't happen this past year and things got out of hand.
- Will work on this issue and Bill will get back with John Easterbrooks on issue.
- Bill Sharp has set April 17th, 2018 as his Science Conference. This year will focus on Delta's. More information to follow.
- Inter Fluve has done a short video on project done on White Creek log placement. Nice video of helicopter log placement. Video is on Inter Fluve webpage.
- Haul Road project is all wrapped up.

NEXT MEETING: Wednesday, February 28, 2018 at Nelson Springs @1:30 PM



M E M O R A N D U M

DATE: March 5, 2018

TO: Melvin R. Sampson

FROM: Carol Sue Martin

SUBJECT: YKFP P.G. Minutes for February 28, 2018 meeting @1:30 PM at Nelson Springs

Meeting called to order @1:45 PM

In Attendance: John Easterbrooks, Anthony Fritts, Dr. Dave Fast, Bill Bosch, Bill Sharp, Patrick Spurgin, MaryTodd Haight, Michelle O'Malley called into meeting. Also joined in by Phone

Agenda Review:

- Added agenda item: Proposed study CRITFC in Cle Elum. (John E.)
- Protocol/Pisces, Training under construction. (MTH)

NEPA:

- NEPA done for Coho Hatchery, tying up loose ends and will draw up record of decision.
- Meeting on Monday to go over some of these items. Other than that, everything on track.
- Ground breaking in April 2018.
- FY19 will have first-broodstock.

BUDGETS:

- Klickitat O&M contract renewing for FY18 – submitted in new WEB programming.
- Bill/Jarrod – contract value “flat funding” questions? (will be discussed)
- Michelle OMalley COTR Yakima Tributary Access Program. Casandra Weeks – base funding from BPA is going to change YTAP funding? Michelle is going to look into this and will get a written answer to Dave Fast late next week.

STAC:

- Peter joined i-n my phone 2:00 PM
- John Easterbrooks has questions on Draft Decision document #2018-01 re: Minijack Production Study.
- Summary conclusion to reduce Minijack & Jack population..
- Charlie can implement “changes to reduce minijacks”.
- Kirk joined in by phone
- CRITFC research to Dave for IPAR

CONSTRUCTION/MITIGATION:

- Klickitat Hatchery status of power is good.
- Three phase walk-in freezer is all installed, just no power at this time to freezer.
- Update on Lyle Falls clean-up. This issues has been addressed and getting people moved out and trash picked up.
- Klickitat Project updated minimal cover letter to Power Council. MaryTodd will draft and get back to Bill. Will also get a couple meeting set up.
- MaryTodd on Construction Training that she was invited to by Bill Helmich in Toppenish. Was a good thing and to understand the process that YN does things and appreciates being invited.'
- Patrick Spurgin indicated last week that YN Chairman JoDe Goudy signed MOU – Cooperative Agreement. BiOp Litigation opportunity.
- Active agreement in tribal to EIS potential multi technical teams for input.

PROJECT REPORTS: No comments on reports

STAC:

- Continue working on agenda for Scientific Management Conference
- Patrick Spurgin re: Brian Mercer region wide ADM work needed to be coordinated for alignment?
- Michelle and MaryTodd is not aware?
- Bill Sharp's save the date April 17th Conference. Registration start end of next week. This is the 11th Annual.
- MaryTodd, training is set to be at YN Legends Casino conference room.

NEXT MEETING DATE/PLACE: March 28th, 2018 @ 9:00 AM Nelson Springs.



M E M O R A N D U M

DATE: April 2, 2018

TO: Melvin R. Sampson

FROM: Carol Sue Martin

SUBJECT: YKFP P.G. Minutes for March 28, 2018 9:00 AM at Nelson Springs

Meeting called to order @ 1:45 PM

In Attendance: John Easterbrooks, Anthony Fritts, Dr. Dave Fast, Bill Bosch, Bill Sharp, Patrick Spurgin, Melvin R. Sampson, Bill Fiander, Charlie Strom.

Agenda Review: BPA Staff Mary Todd Haight & Michelle O'Malley will not be in attendance today.

NEPA:

- Klickitat EIS making progress.
- Judy Woodward (BPA EC lead) attended USFWS bird survey workshop, surveys may need to be completed. Rare plant survey have started 1 of 3 site visits completed at Klickitat Hatchery.
- Archy survey by YN staff will be done on flow lines for access road at Klickitat Hatchery.
- Formal wetland delineation for Lower A and Upper A will need to be completed at Klickitat Hatchery
- Coho facility, water permits have not been approved yet. Waiting on BOR re: Cascade Ditch also waiting on MOU
- Record of Decisions for BPA on MRS EIS pending regarding BOR MOU
- Will need to come up with right agreement format

BUDGETS:

- Discussions for future budgets re: Accord & BiOp
- Fall Chinook/Summer Chinooks these should be kept in Accords
- Looking a placing circulars near ponds up by Fred Meyers or Trout Meadows. Ponds by Fred Meyers would work better for summer Chinook facility
- No fish at Wapatox yet.

CONSTRUCTION/MITIGATION:

- Well at Marion Drain is caving in. Getting new well pumped and once this is operational the old one will be decommissioned.
- MRS facility will be non-consumptive
- Non-BPA matter Klickitat pond #25, non-compliance. Not properly screened. Will do a RFQ to do design.
- Prosser Master Plan – finalized proposal with no response from meeting held couple weeks ago.
- US v OR case closed? What does this mean? Lawyers are working on it.

PROJECT REPORTS:

- March 29, 2018 Federal Steelhead Caucus (Klickitat, Rock Creek, White Salmon)
- Four years of evaluation date.
- Acoustic tags, track through Klickitat Delta, estimate survival.
- Klickitat Delta (mouth of the Klickitat) area is full of predators for fish leaving.

STAC:

- Policy Group Decision Documents to sign (2) (I didn't get copies of these)
- Jacks at Clark flats
- All Mitchell Act facilities are to be looking into the mini-jack situation
- Integrated program moving forward
- Moving summers to Clark Flats, under discussion, portable raceways? How many etc.
- Charlie spoke with Michael Fudge re: study done on site at hatchery. Survival of live eggs.

NEXT MEETING DATE/PLACE: April 18, 2018 @ 9:00 AM Nelson Springs.

April 2018 PGM Meeting Postponed.



MEMORANDUM

DATE: May 16, 2018

TO: Melvin R. Sampson

FROM: Carol Sue Martin

SUBJECT: YKFP P.G. Minutes for May 16, 2018 9:00 AM at Nelson Springs

Meeting called to order at 9:07

Agenda Review: No BPA representatives this meeting (call them if needed)

In attendance: Billy, Gabe Temple, Dave Fast, Charles Strom, Bill Bosch, John Easterbrooks, Bill Sharp and Melvin Sampson.

NEPA: Klickitat (Bill S.)

- Judy Woodward re: EIS leaving in Sept 2018 going to get a NEPA person from transmission side who will be brand new. She is a sub contractor now.
- Wants us to pay for this new transmission person
- Added cost coming in.
- Wet land delineation – upper and lower flow line waiting for BPA to send people
- JD (YN Archeologist) will be there Thursday.
- Will attempt to get a draft EIS while Judy is here.
- MRS – Coho Facility (John E.)
- Housing – BPA wants modular homes ADAIR homes & Mark wants stick built homes. Research on ADAIR, reviews were not good on the homes they build.
- Two million short fall from BPA. Contingency fund, BPA wants us to have one.
- Ground breaking for MRS pushed back again.
- Will be taking 19 brood – could be out a year now, due to construction.
- Would like houses built first, staff would be on hand at the time for construction is being done for underground pipes going in etc.
- Paul Ward is working with Kate M. (YN-Office of Legal Counsel) to get contract through for Grant County Sockeye project.
- Transport permits to collect from Priest & Wells Dams. Priest is the best location to collect sockeye.
- Chelan PUD would give approval to collect from Tumwater.

BUDGETS/CONTRACTS:

- Expenses to capitol. Can't move if in design stage.

CONSTRUCTION, MAINTENANCE, MITIGATION:

- Bid for shop at Lyle will go out soon.
- Timeline bid for one-month.
- Contract maybe late June for steel bldg.
- NOAA Grant (not BPA) – Chiller

PROJECT REPORTS:

- Nothing to report
- Charles Strom: Kicked all fish out on the 14th, river was running high.
- Clean and shut down acclimation sites
- Technical Systems Incorporated (TSI) PLC upgrades at acclimation sites and main hatchery.
- Allow computers to put data in one place.
- Variable speed drives in wells.
- Maintenance: concrete ponds – falling apart.
- Just make sure all certifications are all in place. Placed in Scope of Work, Acoustic tag study.
- Back ground check on electric.
- First part of June the BPA Intern will be on site.
- Bill Fiander:
- Well is done at Marion Drain and 148' was where we needed to be.
- Family fish day is set for June 22 at Marion Drain from 9-2.
- Summer Chinook = Melinda and crew tagged Roza and finished at Wapatox.
- Klickitat Delta, finish acoustic tags.
- Bill Bosch:
- Water to high – pulled ladders, can't count fish at Prosser.
- Pulled on Sunday the 6th.
- Sport fishing starts Friday, May 18, 2018.

STAC: Dave Fast

- Planning S&M Conference, we have a full agenda and will get finalized soon.
- No fee for conference and lunch will be catered one day.
- Will be held at the new Science Bldg. holds twenty more seats.
- Mike Livingston will be acting Interim for John Easterbrooks when he retires.

NEXT MEETING DATE & PLACE: June 20th, 2018



M E M O R A N D U M

DATE: June 20, 2018

TO: Melvin R. Sampson

FROM: Carol Sue Martin

SUBJECT: YKFP P.G. Minutes for June 20, 2018 9:00 AM at Cle Elum Hatchery Open House

YKFP Klickitat Policy Group Meeting Notes – June 20th 2018

Bill Sharp provided updates and additional discussion at the June 20th meeting.

Klickitat Hatchery Capital

RFQ received from BPA in early June. YN reviewing/editing for return to BPA by mid-June.

EIS update:

Cultural Report developed by YN Archaeologist on the site assessment of flow lines (Upper and Lower A). BPA EC to wetland delineation specialist on site May 31 to assess flow lines (Upper and Lower A) and potential impacts from capturing full water right for aquaculture purposes.

Klickitat Master Plan – ISRP update

Response to ISRP review underway. Majority of 5 points addressed. Additional modeling effort needed by Chris Frederiksen. That work to be wrapped up in mid-July.

Lyle Shop

Finalized shop specifications for the new shop and bullpen relocation at Lyle Falls

Drafted and placed shop advertisement in the Daily Journal of commerce. A single bid was received from Apollo Inc. Bid is under review and negotiation. Project team assumes lots of work, particularly in the Gorge Area, therefore limited response.

For the MRS, BPA's prime contractor is reporting bids from subcontractors that are much higher than anticipated. We don't yet have a common understanding with BPA of available capital funds for construction. It appears that the capital funding shortfall is about \$4 million. Based on the status of the MRS procurement, the timeliest strategy available for addressing the shortfall is to use Accord project carryforward funds in the context of Accord extension discussions.

RE: BPA budget management coordination. After consultation with the Fish and Wildlife Committee, we developed and provided a proposed 4-year budget for YKFP operations to BPA. The essential premise of the proposal is that the YN would reduce base expenditures but would seek to keep project budgets whole by augmenting the budgets with a share of the accumulated carryforward from the 2008 Accord. Also, we noted again that Accord partners have agreed to find ways to help BPA while it struggles to deal with financial constraints, including finding savings in tribal project budgets. However, this is to be done on a cooperative basis and not on the basis of BPA internal policy decisions concerning acceptable spending.

Yakima-Klickitat Fisheries Project

Policy Group Meeting

7/20/18

Levi George Hatchery

Attendance: Mel Sampson, Mike Livingston, Bill Bosch (notes), Bill Sharp, Anthony Fritts, Pat Spurgin, D.J. Brownlee, Mary Todd Haight

7. NEPA status/updates. Klickitat Hatchery. Cultural resource evaluation of 2 flow lines has occurred. Plan to do some rehabilitation work on the two spring intakes which could reduce natural flows slightly. There are some issues regarding the building. MTH reported that the O&M placeholder language in the Accord renewal draft is still being reviewed at higher levels within BPA. B. Sharp suggested that BPA's procurement team might want to do a site visit.
8. Budgets/Contracts. MRS coho facility status. DJ reported on ongoing negotiations regarding budget issues and potential cost savings or work deferrals. Parties are working on a notice to proceed to construction and the hope is to have this completed within the next two weeks. Permitting issues are mostly wrapped up. MTH reported that the ISRP review of the YN comments response should be completed within the next two weeks which would mean process issues are also mostly wrapped up.

Klick. MDH contract. B. Sharp reported that Klickitat is looking to move the habitat portion of this contract to the KWEP contract (similar to the Yakima contract). Also, KWEP would be expanded to include work in other southern territory tributaries. MTH reported that BPA would be looking at proposed changes relative to their mission. B. Sharp reported that Burlington Northern is planning to replace many of their bridges in the southern territories over the next few years.

Accord portfolio review. All parties hope to complete by the end of July.

MTH reported that invoicing across all YN projects has been late and is triggering "alarms" within their reporting system. The issue(s) haven't yet resolved themselves. In some cases, there are legitimate reasons for being late. MTH will make sure that Debbie and Adrienne are aware of the issues.

9. Construction, Maintenance, Mitigation.

Pond 25 intake at KH. B. Sharp reported that we will wait for the construction phase to do a decision document on this work and that we will share the preliminary design for this work with WDFW later this year. Several engineering firms will be touring the site on 7/27/18, with a RFP submittal date of 9/7/18.

YN is working on a plan to collect fall chinook brood stock at the Lyle Falls trap in 2018 with brood transported to either KH (1st choice) or LWS (2nd choice). Analysis indicates that YN could get as much as 23% of its brood need for the fall chinook program at Lyle Falls which is important as there was a brood shortfall in 2017 and a shortfall is expected again in 2018.

B. Sharp reported that he will be attending a southern population Orca task force meeting in Olympia next week. Pursuant to this task force, the State of Washington intends to fund some increased Chinook production in the Columbia Basin. B. Sharp said that Pond 26 at KH is present underutilized and could potentially be used to support some increased production. The Naches Hatchery was also mentioned as a possibility for raising summer chinook. However, ML reported that there has been some pushback from local fishers about the closure of the Ephrata and Naches trout facilities – these put and take fisheries are important, but there is still an opportunity to explore a partnership for summer chinook production at the Naches facility. The Ringold Hatchery is also part of the discussion for use of these task force funds.

Lyle Shop. B. Sharp reported that YN is getting ready to execute a contract with Apollo Engineering to begin construction. We hope to break ground by the end of August. ML noted that YN should coordinate with the Klickitat Wildlife Area Manager as that program manages the land adjacent to the site. (Sharp followed up and all information has been shared.)

DJ reported on O&M needs at Jack Creek and that the plan is to address these issues by the end of the calendar year.

10. Project Reports. Need to check with Carol Sue regarding status of report distribution.

11. STAC

- f) Spring Chinook and Sockeye – B. Bosch reported that runs are low due to a thermal barrier that developed in the lower Yakima River in mid-May. There was some discussion of whether there was water available for a pulse flow and the timing for such a request.
- g) B. Sharp reported that YN is working to wrap up the YN response to ISRP comments on the Master Plan and hopes to have these back to the NPCC within two weeks or so.

Next meeting: Thursday, August 16, 2018 1:00 pm Nelson Springs



MEMORANDUM

DATE: August 30, 2018
TO: Melvin R. Sampson
FROM: Carol Sue Martin
SUBJECT: **YKFP P.G. Minutes for August 16, 2018 1:00 PM at Nelson Springs**

Meeting called to order at 1:10 p.m.

In attendance: Dave Fast, Bill Bosch, Pat Spurgin, Bill Fiander, Scott Nicolai, Bill Sharp, Melinda Goudy, Anthony Fritts, Mike Livingston and MaryTodd H. (by conference call).

Agenda Review: Presentation by Melinda Goudy re: summer Chinook reintroduction. Looking into three alternatives for acclimation sites. Don't need power but it would be great to have.

- This is all M&E. When would this be moved to production?
- Smolts at Prosser would be local broodstock.
- Newsletter: re: future of our conferences? Are they cutting these completely? Look in to cost-share.

NEPA:

- Klickitat Hatchery cultural consultation and would have Claire M. speak to Kate Valdez from Tribal Historic Preservation Program.

- Judy Woodward EIS project is on-going.
- Project Team meeting re: SEPA, need to designate a person to work on this.
- Late fall is when they should be filling John Easterbrooks position.
- Critical Path document will solicit bids along with MasterPlan.
- RFQ procurement people? MaryTodd will get a list of these people to Bill Sharp.

BUDGETS/CONTRACTS:

- CR's that are open: Klickitat Mgmt., Data & Habitat & Yakima Mgmt.

CONSTRUCTION, MITIGATION, MAINTENANCE:

- Tuesday, trucks are on their way to the MRS Coho Hatchery site. Will have a soft groundbreaking ceremony at site, Wednesday, Aug 22, 2018.
- Umatilla's meeting with council re: construction this fall and brookstock next year. Will address issues before taking on broodstock.
- Next fall we should be getting our first brookstock for MRS Coho facility.
- Everything is permitted and ready to go.
- Lyle Falls Shop: getting to construct, Apollo Inc. will be on site.

PROJECT REPORTS:

- Yakima Basin M&E reports, uploaded to Pieces.
- Finalized and thirty-days or so will go to public.

STAC:

- MRS, IRSP tentative date mid-spring on questions
- Spring Chinook update (Bill Bosch) hand-out with numbers, re: water temperatures (slide show).
- Yakima/Tieton Irrigation District (Mike) toured yesterday.
- Bill Sharp: Klickitat Spring Chinook update: latest mark-recap run size estimate at Lyle Falls: 2272 total fish, 86% hatchery, 14% wild, with 13% jacks. Recent 10-yr average of that estimate: 4750 total fish, 13% wild, with 21% jacks.
- Hatchery return from this Monday is 307 adults on hand (maybe 1-2 more this week?), also well below recent average. Need is 500.
- Pat Spurgin: Bonneville hopes to get out for public comment next week the draft extension of Accords. Will see how this goes.

NEXT MEETING: Wednesday, September 19th, 2018 at Nelson Springs 9:00 AM



MEMORANDUM

DATE: September 27, 2018
TO: Melvin R. Sampson
FROM: Carol Sue Martin
SUBJECT: YKFP P.G. Minutes for September 19, 2018 9:00 AM at Nelson Springs

Meeting called to order at 9:10 a.m.

In attendance: Dave Fast, Bill Bosch, Pat Spurgin, Bill Fiander, Bill Sharp, Charlie Strom, Mike Livingston and Chris Johnson.

Added Agenda Items:

- Bateman Island – Mike Livingston
- No BPA reps, attending meeting at The Dalles with Mark Johnston & DJ Brownlee
- Kelt update, fall Chinook Master Plan upgrade – Bill Bosch

NEPA:

- Klickitat Hatchery NEPA/SEPA first draft by early next year.
- Potential transfer to YN in its entirety.

BUDGETS:

- BPA Accord extension out for public review. 9/26/18 is when it closes.
- Monday, Sept 24, 2018 at 9:00 a.m. presentation to Tribal Council. History and what things have happened since the last accords.
- CRITFC will have a meeting on four year extension on Thursday 9/20/18.
- BPA finished Yakima Basin M&E report and uploaded and is on line.

CONSTRUCTIONS, MAINTENANCE, MITIGATION

- Construction has started at the MRS Coho facility.
- Klickitat Hatchery upgrade, response is with IRSP. Waiting for them to pass.
- Need to develop an MOA rules/relations construction management process. This would be between BPA, NOAA, and YN re: operation costs, O&M on spring Chinook production at the Klickitat.
- Upgrades at Prosser Hatchery, these will be in new Accords.
- Working on Master Plan.
- IRSP comments to the Fall Chinook and Coho discussion.

- Incorporate everything that needs to be addressed.
- Speak with Ralph Lampman to see if he continues to keep his Lamprey project in Prosser. His funding comes from a different entity.
- Master Plan 10/1/18 Naches Hatchery is an option. Property at Oak Creek? Could not get wells dug in area to provide water to a hatchery or acclimation site.
- Mike L. will have a meeting on 10/1/18 and work on a broader scale on what other locations we can discuss as options.
- Bateman Island – Corp of Engineers re: Marina issue? City of Richland has a Master Plan, if Corp of Engineers could find it. Intergrated Plan could not fund this?
- Future of both Klickitat & Science Conference – write a justification letter to keep these going. Both these conference have great value to all that attend.
- John Easterbrooks position has been advertised, so if you know of anyone.

PROJECT REPORTS:

- Joe Zendts fall Chinook run coming into forecast. Klickitat Hatchery US –v- OR PAC meetings. We are using Lyle falls now to collect fall Chinook.

STAC:

- NPCC meeting issues from Eugene – Dave & Pat Spurgin attend last week Tuesday, September 11, 2018.
- NPCC meeting in Wenatchee in October. Dave and Michelle Steg-Geltner will attend. NPPC documentation re: BPA projects science and conference meetings. Michelle will hand out her reports that she does on these topics.
- MRS Coho Hatchery: Crew is mobilized and has area cleared out. Building was removed and cleared out. Construction is six-months behind. Will take broodstock next fall.
- Mark Johnston and Daniel J. Brownlee are meeting today in the Dalles with BPA.
- Sockeye spawning above Cle Elum, so...if you have a chance, now is the time to go and see.
- Roza to late in run. Collected at Priest Rapids, tagged twenty fish, to the base of the dam. The Whoosh is broke down.

NEXT MEETING: October 17, 2018 @ WDFW office 1130 University Way, Ellensburg WA 9:00 AM

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.
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

Document ID	Date	Description
		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.
2016-03 3-phase power	7/15/2016	Contract with KPUD to upgrade electrical service to the Klickitat Hatchery.

Document ID	Date	Description
KPUD		
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.
2017-01 Naches Wild Control – periodic sampling	3/1/2017	Approve periodic (e.g., generational rather than annual) collection of Naches wild control line brood stock (eggs).
2017-02 Install chilled water system at Klickitat Hatchery	4/26/2017	Procure and install chilled water system into existing incubation water supply at the Klickitat Hatchery.
2018-01 Mini-jack studies	2/28/2018	Approve a pair of studies to more fully describe the tendency for a portion of male spring Chinook Salmon juveniles to mature precociously as minijacks
2018-02 Klickitat Master Plan	3/28/2018	Provide co-management endorsement of the 2018 Klickitat River Spring Chinook Master Plan for submittal to NPCC step review
2018-03 Klickitat Fall Chinook brood collection at Lyle Adult Trap	3/28/2018	Secure up to 35% of the total Klickitat Hatchery (KH) broodstock production from Klickitat River Bright Fall Chinook collected at the Lyle Adult Trap (LAT). An attempt would be made to collect 800-1,000 adults between September 1 and November 30.
2018-04 Levi George Spring Chinook – increase HC line to 4 raceways for 2018 BY	10/17/2018	Approve use of two additional raceways for HC-line fish for the 2018 brood (14 S-line and 4 HC-line raceways) with each raceway targeted for a release of about 40,000 spring Chinook. Existing marking protocols and release locations would be used for all Brood Year 2018 releases.