

Yakima River Management and Data (YKFP) Annual Report

for Project Activities from 10/1/2013 to 9/30/2014



BPA Project # 1988-120-25

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

February 13, 2015

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1. Executive Summary

This Management and Data project (1988-120-25) is the overall umbrella for the Yakima/Klickitat Fisheries Project (YKFP) which includes a number of sub-projects that address facilities operations and maintenance (O&M); research, monitoring and evaluation (RME); and habitat acquisition, protection, and enhancement activities. This project includes the overall management and administration, as well as the data management, for the entire 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 established in a 1994 Memorandum of Agreement with the Washington Department of Fish and Wildlife (WDFW; project co-manager) to implement and evaluate artificial propagation methods used to restore and rebuild anadromous fish populations in the subbasin. The YKFP was subsequently expanded to include the Klickitat Subbasin. However, Klickitat Subbasin management and coordination activities are covered under a separate Bonneville Power Administration (BPA) project, 1988-120-35.

Principal YKFP activities include the use of artificial propagation of juveniles derived from natural origin broodstock to supplement the natural populations of spring Chinook, fall Chinook and coho. 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 and numerous research programs. 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, 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 is responsible to implement and coordinate:

1. Project planning activities, including those pertaining to facility construction and modifications;
2. Operation and maintenance activities at all YKFP facilities;
3. Project research activities including production of scientific reports and publications;
4. Design and development of a centralized database for Project use and dissemination to others;
5. 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.

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 Wahkiacus Field Office houses scientists and technicians engaged in monitoring and evaluation, habitat management and data management activities for the Klickitat Subbasin. The YKFP also operates passage and hatchery facilities in the Klickitat. Part of YKFP management requires coordination of Klickitat and Yakima Basin research and data management activities.

This Management and Data contract funds the activities of YKFP executive management, project coordination and administrative staff necessary for discharging these responsibilities, including administrative support for day to day YKFP operations in the 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. Klickitat Basin Monitoring and Evaluation,
5. Klickitat Watershed Enhancement Project
6. Klickitat Management, Data and Habitat project.

7. Klickitat River O&M
8. Pre-Cap Well Field Data Collection
9. Evaluate Viable salmon population (VSP) parameters for steelhead
10. Yakima Subbasin Side Channels, Habitat, and Land Acquisition

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 umbrella management approach was developed through discussions with the Bonneville Power Administration (BPA) and the Northwest Power and Conservation Council (NPCC). WDFW participates in YKFP management through BPA Project 1995-064-25, YKFP Policy/Technical Involvement/Planning.

This contract has 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 and Klickitat Subbasins.
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 YKFP's Data and Information System.
6. Schedule and conduct the YKFP's 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.

Habitat restoration activities that were formerly included in this project are now included in Yakima Basin Side Channels Land Acquisitions, 1997-051-00 (effective in 2013).

This report documents activities and results related to the primary objectives listed above. 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 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](#).

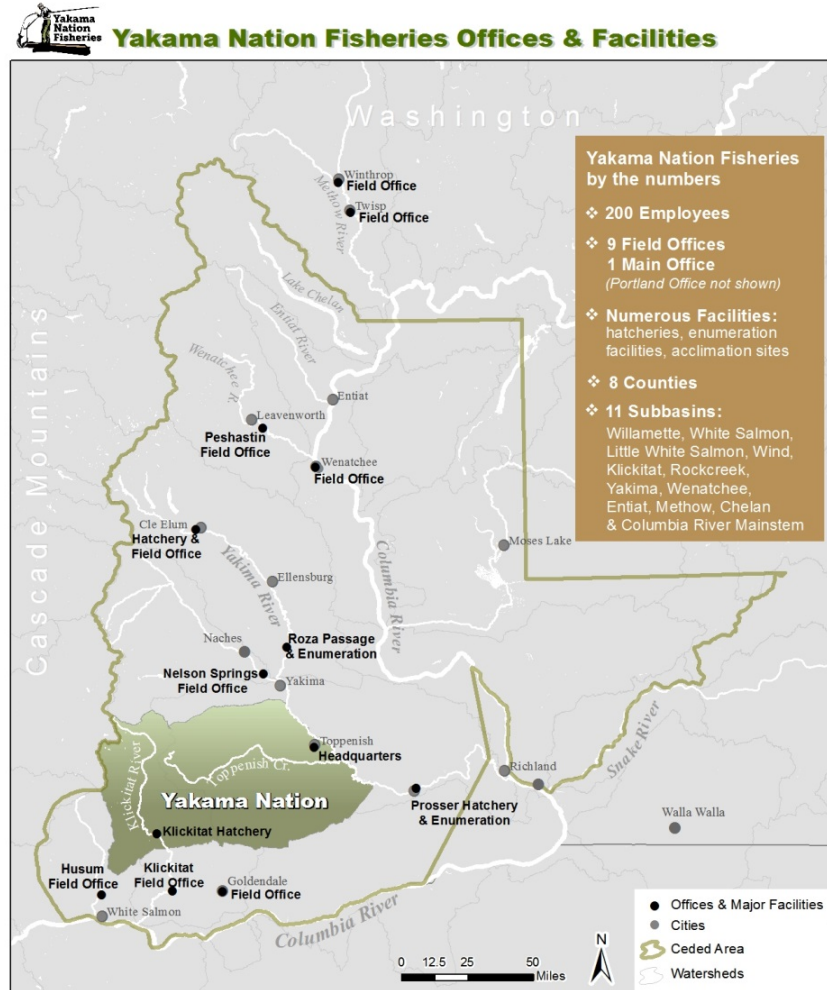


Figure 1. Yakama Nation Fisheries Offices and Facilities.

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. Annual planning documents are reviewed and approved by the YKFP's Policy Group. The Project's Science Technical Advisory Committee (STAC), consists of senior biologists from the 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, 2013-Sep. 30, 2014) are provided in Appendix B.

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 activities that affect the Project.

Results and Discussion: Key activities in the region that necessitated active YKFP involvement included the NPCC's Fish and Wildlife Program amendment process, and NOAA's development of the "Final Environmental Impact Statement to Inform Columbia River Basin Hatchery Operations and the Funding of Mitchell Act Hatchery Programs." Both activities addressed matters that concerned the role of existing and future hatcheries in addressing fisheries mitigation requirements, and could potentially affect the scientific and regulatory framework and funding requirements for effective and adequate production. On the subbasin level, YKFP staff coordinated with the 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 the “Yakima Subbasin Summer- and Fall-Run Chinook and Coho Salmon Hatchery Master Plan” as well as updates to the “Klickitat River Anadromous Fisheries Master Plan”. These activities included responding to comments on these Master Plans by the Independent Scientific Review Panel (ISRP). 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 of YKFP and BPA contracts 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.

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

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

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

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

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

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. Two separate data managers are employed,

one each for the Yakima and Klickitat Subbasins. These 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:

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](#)
- 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 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

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 provide knowledge about the use of supplementation so that it may be used to mitigate effects on anadromous fisheries throughout the Columbia River Basin. The Project will schedule and conduct an annual project review, which will include presentations of all the task specific participants with invitations to others 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. Conference records afford the opportunity to employ adaptive management and assist the Policy Group in Project planning and management activities.

Results and Discussion: The 2014 Klickitat Science Conference was held on April 15, 2014 and the results are available [here](#). The 2014 Yakima Science Conference was held on June 18-19, 2014 and the results are available [here](#). For a complete list of reports and

publications related to YKFP work in the Yakima Basin, see references in the 2014 [YKFP M&E 199506325 Annual Report](#).

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. Provide comments on land use projects as applicable to watershed stewardship.

Results and Discussion: Fish passage and screening projects included construction of the Scott Ditch Screen. This FCA screen was constructed by the Washington Department of Fish and Wildlife's screen shop, and was coordinated with the South Naches irrigation District, the entity that receives irrigation water from Scott Ditch. Yakama Nation provided funding and oversight on this ambitious project to provide improved upstream passage and NOAA-compliant screening on a large diversion in the lower Naches River.

Habitat protection projects have been stalled by myriad processes but some work occurred on a 17-acre acquisition in Taneum watershed, and a 80 acre acquisition in Ahtanum Creek. Much discussion occurred on a 382 acre acquisition in Taneum subwatershed, which is proposed as a collaborative project with Forterra Land Trust and WDFW.

A large restoration project was completed in lower Swauk Creek, involving placement of 920 pieces of woody material, four engineered log jams, two step pool structures, and floodplain reactivation features at three locations. Approximately 3000 native plants were installed with USFWS cost share funding and collaboration with The Nature Conservancy.

Small restoration activities were done in many places, including livestocking on Wilson Creek, Naneum Creek, Buckskin Slough, Williams Creek. Collaboration with Mid Columbia Fisheries Enhancement Group led to additional restoration work on SF Manastash, Mosquito Creek, Swauk Creek, Iron Creek, Jungle Creek and Jack Creek.

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

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](#)

[BPA Pisces](#)

[StreamNet Database](#)

[BPA Fish and Wildlife publication page](#)

[PTAGIS Website](#)

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

- Automated integration of Prosser and Roza dam daily count data with Data Access in Real-Time ([DART](#))
- Integration of PIT and CWT release and recovery data with [PTAGIS](#), [RMIS](#), and [Fish Passage Center](#) databases
- Production and support of data bases necessary to support BPA quarterly and annual reports (available via PISCES and [BPA reports](#) web site)
- Production and support of data bases necessary to support NPCC project proposals (available via [CBfish.org](#))
- Science and Management Conferences (e.g., [Yakima](#) and [Klickitat](#))

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

Appendix B: YKFP Policy Group Minutes



MEMORANDUM

DATE: November 7, 2013
TO: Melvin R. Sampson
FROM: Carol Sue Martin
SUBJECT: YKFP Policy Group Meeting October 30, 2013 minutes

Meeting held at Prosser Chandler Facility at 9:30 a.m.

Meeting called to order 10:05

Agenda Review: will start w/item #6 STAC reports

STAC: Dave Fast & Anthony Fritts

- **John Day Mitigation**
- **Ringold/clipped**
- **Egg take to produce the next 12m, require: collection, holding, incubation, rearing and feeding etc**
- **Imprinting starts early**
- **Unique water and chemical drip, don't want @ Prosser**
- **Green eggs from egg collection to Ringold**
- **Mitchell Act money will be used for feed**
- **107,000 total adult collection in the ocean**
- **Yakima contribute 14,400 URB's**
- **6,623 adult fall Chinook @ Prosser**
- **633 Jacks**
- **Spawning fish today @ Prosser – these were canal rescue fish (included in count)**
- **2,466 coho adults @ Prosser**
- **325 Jackes**
- **Collection is down**
- **Holmes**
- **Bend mtg went well and everyone was on board**
- **Mtg in Helena MT to present same**
- **Council also approved**
- **Conference call with BPA and mtg w/them on Thursday 10/31/13**
- **Nancy Wientraub is retiring from BPA**

- **Jane Brady is filling in for Sandra Fife (BPA)**
- **John Easterbrooks will be out of office the last two-weeks in November**
- **McMillian will do the design, they are under DJ Warren & Associates**
- **Coho, why can't Todd get from Roza? The pool is down right now will**
- **Picket Technologies will be used to get fish over the barrier**
- **Steelhead Kelt**
- **Good article in YH Sundays newspaper**
- **Proposal at spawning channel that was used for spring Chinook will be used for steelhead kelt**
- **Will work with resident rainbow steelhead**
- **Sockeye**
- **688 at Roza transported to Lake Cle Elum**
- **1st 1,000 went out in 2011 or 2009?**
- **This year we got 15-16 inch smolts at Roza**
- **Water on surface of dam for spillway and fish may not be able to get over**
- **Summer Chinook**
- **1512 adults**
- **288 jacks**
- **Doing surveys now and finding redds**
- **Gap-to-gap and Naches**
- **Added Agenda item**
- **Pat Spurgin**
- **Concern/comment on Mitchell Act/Columbia Basin**
- **Try to fix problems in production synaros, drive the production numbers down in Yakima and Klickitat**
- **Address issues in fish production**
- **Meeting set for Nov 8th between YN & BPA re: finalize capitol inflation rate**
- **WCW filed a request for final payment on Lyle project. Was waiting on masonry work.**
- **Andre L'Heureux, BPA asked the question, does the YN want to manage fish or do they want to manage construction?**
- **Little bit of both, talked about a template/paradox – should any other big projects come up.**
-



MEMORANDUM

DATE: March 10, 2014
TO: Melvin R. Sampson
FROM: Carol Sue Speedis
SUBJECT: YKFP Policy Group Meeting **DRAFT** minutes

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

Agenda Review:

Bill Sharp: Move his report to top of mtg. He has another mtg to get to down on the Klickitat

- updating for NOAA review process on Klickitat
- 1:00 mtg today down at Klickitat
- working with Pat Splurging on William Charles West – settlement
- HGMP completed and w/NOAA, formal consultation
- recreational rafters on Little White Salmon while spring chinook spawning, disturbing redds.

NEPA: MaryTodd H.

- Request from Jenny Lord, BPA that works on Yakima Basin. She had sent out request of herbicide applications that folks are using on their projects. Needs to know what kind are being used on your projects? What sites are you using them on? Who is the contact person?
- Bill Fiander and Charles Strom submitted theirs for Upper and Lower
- Kelly Clayton will get the information and get submitted to Jenny L.
- Scott Nicolai said he is in transition from one weed agency to another. But, Kelly will have this information to Jenny soon.

BUDGET/STATUS UDATES:

Andre' L'Heureux explained that half million in the hole for O&M, shortfall needs, re: who covers cost at Cle Elum, taking money from out years. Are there any other components within YKFP that are effected as well?

CONSTRUCTION:

MaryTodd H.

- Jason Sweet conference call.

DRAFT

- monitoring program, program language. Meeting at a later date
- request habitat team, new program management plan
- standardized habitat project for instants: Placement of large woody debris, what does this really mean to fish? Since monitoring was not standardized, which projects fit into this process?
- Scott Nicolai, Kelly Clayton and John Marvin will work with Jason Sweet.

CONSTRUCTION, MAINTENANCE, MITIGATION:

Cle Elum:

- 2013 fry are out
- Four wells running – working on #5 failed probe
- Analog cards gone out – have to phase out.
- 2012 brood at acclimation sites
- Jan 23rd Jack Creek got their fish
- March 14th – pull screens on all sites
- Had power outage at Easton
- Hatchery hosts selected. Not getting any new people signing up to be Hatchery Hosts, will be bringing back same hosts and they will cover May-Sept 2014.

Boone's Pond: Scott Nicolai, Kelly Clayton

- conference call @10:30 – Marsha Fisher and Rocky of Natural Systems Design
- 30% preliminary design
- operation of Cle Elum Hatchery, wells have drawn down water level
- Dept. of Ecology, City of Ellensburg to address impacts
- developed mitigation on Tillman Creek 2004/2005
- The mitigation that was already done – it was decided that it was not enough mitigation for what was lost.
- We need to own 8-acres that the city of Cle Elum owns (junk-property) or get a permanent easement to use this portion. The property in question can never be developed on.
- Property was appraised @\$15,000.
- This is a mitigation project not a restoration project.
- Michelle O'Malley will take this information back to Sandra Fife at BPA and fill her in, see if we can do something as far as BPA meeting with City of Cle Elum folks on issue.

STAC: Dave Fast

- Jan Brady, Holmes Property
- 1st draft using template as draft from Walla Walla /Umatilla, review late this week.
- Ann Sentors budget 1-2 for contract that Mark J. has reviewed.
- Pat spoke with Jan and Ann on what contract might look like
- Science/Mgmt. Planning: 3 months away, will be held again at Central, during break.
- June 18-19, 2014. Will check and confirm date.
- Scott, Anthony and Dave will need to have a meeting and look at last year's agenda and get things rolling.
- Scott Nicolai already has a keynote speaker Joe Peske, NOAA Scientist
- Integrated Plan update – Yakima River Enhancement Project.

- Fish Passage at Cle Elum Lake – sockeye
- tunnel from Kachess to Keechelus
- Phil Ridgon, YN heading back to Washington DC to lobby for federal participation.

NEXT MEETING/DATE, PLACE: March 17th, 2013 at Nelson Springs

DRAFT



MEMORANDUM

DATE: April 18, 2014
TO: Melvin R. Sampson
FROM: Carol Sue Martin
SUBJECT: YKFP Policy Group Meeting DRAFT minutes

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

Agenda Review:

- Bill Bosch will give update on Spring Chinook numbers
- John Easterbrooks will give update on Spring Season for Sports fishers
-

NEPA: MaryTodd H.

- Klickitat HGMP's to NOAA for next 5-10 year out-look
- Rich Turner working with Bill Sharp
- BPA response to NMFS by letter or do something more formally as to what BPA will be funding.
- Next formal step is the B.A.
- EIS still on hold for Klickitat – to see if Wahkiakus is buildable? Re: waiting for cultural report
- Concerns of the age of EIS – is there a timeline? Would we need to re-do some stuff?
- Working with tribe on design work re: what can we do with the money we have?
- Update on Klickitat Science conference: not heavily attended as in the past, a lot of talk on lamprey at different angles, revegetation work after Condit Dam & Elwa Dam removals. Elwa is doing the natural reproductive approach and letting things grow naturally.
-

BUDGETS/CONTRACTS/ACCORDS:

- Chris Reed works on accord budgets – looks at all projects, looks at spending and what's left for FY15,16 & 17.
- Which projects are in red and which are in green
- Adrienne Wilson will get with folks on projects to get report and then report to BPA
- MaryTodd told folks that they probably received emails from BPA, well if you had already received email, just to let folks know that these are automatically sent electronically.
- Contract preparation 180/150 days ahead of time
- CCR's come through to Kanida and she needs 30 days for review. Please submit earlier that way it give here more time to review and don't have to turn any of down. Start thinking and planning ahead. Not three-weeks prior to close of contract.
- Anything about 5% needs to go through COTR. \$5000.00 is min dollar amount. What needs to be reported?
- If equipment is purchased with in two-years you know that piece of equipment is going to depreciate in value and as the years go on by at least \$100/year. After 3-4 years it does not have to be reported

anymore. Then you would move this equipment into a disposal tab (anything older than 2-years). But, does not have to be disposed of...it just needs to be taken on inventory list.

CONSTRUCTION:

- Holmes Property – Jan Brady has a planning team and she is also working with Peter.
- There will be an upcoming meeting held in Vancouver WA
- EIS will need to be done
- Will make a decision & then get key people to meeting (Vancouver)
- Dave Fast will get with Jan to get an update on what's been happening so far. Will also ask if meeting can be postponed until Mark Johnston is available to attend
- Kelly Clayton said that Scott Nicolai is on board to having the house removed at Holmes
- The on-going issues was to either repair the old house or replace with new facility
- Tribe has approved \$30,000.00 – repairs for foundation, but, was decided to replace with new.
- Jan voiced concerned of price, could be higher than anticipated?
- Kelly walked property on April 16, 2014. A cement canal runs through property and this could be where the water is coming from. Kelly will get a report out next month. Don't see any issues about the road.
- Tillman Creek Mitigation: John Easterbrooks
- Enhancement work had been done to this.
- Paul Riveria along with Perry Harvester had been in the area
- Had to get easement from state park issued
- Made a little wet-land and run to Tillman creek.
- Would be nice to take a field trip to area during the Policy Group meeting
- Charlie said they started up well #3 and after letting it run a bit they can get around 500 gallons of water. It has not been ran in ten-years.

STAC:

- Planning tentatively the conference in June, 2014. Still waiting on when spring-summer break will be at Central.
- Working on agenda
- We may or may not have a key-note speaker. The Habitat guy that Scott Nicoali suggested can't make it. He has other obligations during that time.
- Left message with Alex Conley to see if they had anyone in mind? Have not heard back from him.
- If a keynote speaker cannot be found, we'll just jump right into the speakers. Will provide salmon lunch and pizza again this year, same as last year.
- Steelhead Kelt Reproductive Success:
- IRSP said they are not seeing any evidence that these are producing in the wild?
- Placed some in Satus Creek and they were eaten by wildlife before they had a chance to reproduce.
- Other got silted in channels
- This will be an issued that will be discussed at June conference
- Tom Scribner also has Steelhead Kelt project in the Methow. This is separate from YKFP's
-

Spring Chinook: Bill Bosch

- Prosser had received its first spring Chinook on Wednesday, April 16th. It was unmarked (wild)
- Forecast is predicted at 9,000
- The run is either earlier or stronger?
- John Easterbrook for WDFW sport fishery
- Will open on the 3rd of May 2014 mouth to bridge
- Lower river fishery really not panned out yet

- Anthony Fritts on third-year for hooking project: where they tagged fish below Roza and none of them never showed up at Roza?
- Last year we did radio and pittags and tracked throughout the summer
- Will do the same method this year
- Treatment fish were 10% survival (treatment mortality)
- This is the last year were doing the study

NEXT MEETING/DATE/PLACE: May 21, 2014 @ M&E Bldg @ Cle Elum Hatchery

SIGN-IN

NAME:	AGENCY:	EMAIL:
MaryTodd Haight	BPA	mthaight@bpa.gov
Jan Brady (not attending)	BPA	jebrady@bpa.gov
Michelle O'Malley	BPA	mmomalley@bpa.gov
Bill Bosch	YN	bbosch@yakama.com
David Fast	YN	fast@yakama.com
Mel Sampson	YN	mel@yakama.com
John Easterbrooks	WDFW	eastejae@dfw.wa.gov
Anthony Fritts	WDFW	anthony.fritts@dfw.wa.gov
Bill Fiander	YN	bfiander@yakama.com
Charles Strom	YN	osprey@qwestoffice.net
Carol Sue Martin	YN	carolsue@yakama.com
Kelly Clayton	YN	clak@yakamafish-nsn.gov
Rachel Castilleja	YN	castilleja@yakama.com

YKFP Policy Group Meeting
April 17, 2014 @ 9:00 a.m. Nelson, Springs, USA

1. Call Meeting to Order; Mel
- a. Agenda Review, Additions, Adjustments
2. NEPA; Status Updates....BPA
3. Budgets/Contracts /ACCORD; Status Open discussion
4. Construction, Maintenance, Mitigation
 - a. Holmes; BPA, Scott, Mark
 - b. Other, TBA
5. Project Reports; Those received were distributed
Open discussion/follow up/questions
6. STAC; Dr/ Dave and Anthony
 - a. Status of S&M Conference
 - b. Holmes Coho Hatchery
 - c. Steelhead Kelt Reproductive Success
 - d. 2013 Yakima Basin Science & Management Conference
 - e. Other
 - .7 Next meeting date and place. _____
7. Recess.

Friday, July 18, 2014 Cle Elum facility, 9:00am Policy Group meeting

Attendance: Anthony Fritts, Bill Bosch, Charles Strom, Pat Spurgin, Bill Sharp, Mel Sampson, Mary Todd Haight, Scott Nicolai, Chris Frederiksen, Jason Rau

Action items in bold.

Agenda:

1. Agenda review
2. NEPA
Klick MP EIS is waiting for issue resolution. Rich Turner/NOAA is working on consultation/bio opinion for Klickitat HGMPs. Doing best to project how project will play out over next 10 years.
3. Budgets/Contracts
M. OMalley on maternity leave for a while beginning in mid-Sept. MT will cover in mean time. SF will have M&E and O&M.
4. Construction
 - Klickitat MP issues
No work at Wahkiacus until tribal decision is made. Cultural Committee forwarded to full tribal council for action; briefing to full council will occur in September. Jack Christianson was connected by phone and reviewed powerpoint showing how fall Chinook/coho programs might work with WAF implementation and how implementation might reduce impacts to listed steelhead. Discussion of fall Chinook impacts on steelhead – might be more positive than negative because they outmigrate at age-0 (subyearlings). Coho might have some competition effects because they migrate as yearlings. If coho releases are reduced this may offset benefits of WAF with respect to increased survival/returns, and impacts. We have MP, EIS etc., what is the purpose of this presentation? What does presentation do for BPA? MP describes a much grander program for WAF and also included a steelhead program; want to show how scaled down program still provides benefits to steelhead. Is there room in new KH upgrade design for increased coho production at KH (from 1.0 to 2.5) to support full local brood program? JC said it is do-able to have full program at KH. Need to leverage investment at Lyle Falls trap for brood stock collection.
 - Wonder Springs pipeline update
B. Sharp reviewed (powerpoint) plans for addressing pipeline issues that caused loss of ~900,000 fall Chinook earlier this spring
 - Mural on retaining wall at CESRF
CS introduced Hilga Johnson, S. Cle Elum. She's been working in the community to share ideas about making visitors to Cle Elum more inclined to get a "wow" factor and

want to stay and visit the town a bit. Mural idea for retaining wall (on S. Cle Elum way just north of entrance onto frontage road to hatchery) has gained a lot of support. DOT said need permit, traffic control and insurance. Hilga wants whole community to be part of this and support it including financially. Hilga introduced TJ, a consultant and expert in brand management, who is helping on the project.

5. Project Reports

- Habitat project updates; 4 projects in Yakima this fall: oak creek floodplain, passage project on big creek, wood project on mainstem, Indian creek tributary to N. Fork Teanaway – wood project. SEPA checklist in, forest practices checklist is in. Boone ponds mitigation delayed one year.

6. STAC

- Katz/McMillan integrated plan review -- data request. WSU and a contractor are working for the state legislature to evaluate cost/benefit of integrated plan. As part of their work they have requested a lot of data from WDFW and YN technical representatives relative to YKFP activities in the Basin. We want opportunity to review product of their work before they take it to the legislature. **PG directs STAC to schedule a technical meeting to discuss data request and issues so that all parties have a better understanding of what is being requested and how it will be used.**
- Daily Planet / Roza video/documentary. Dave and Mark need to work with BOR and Pat Spurgin to figure out what needs to be done re permission issues; please cc Michelle OMalley.

7. Next Meeting

Wednesday September 10, Nelson Springs, 9AM

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.