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MANAGEMENT, DATA &
HABITAT PROJECT

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Introduction:

The Management, Data and Habitat (MDH) functions to facilitate the Project Management, Data Management and Habitat Acquisition and Management for the Yakima/Klickitat Fisheries Project (YKFP). The YKFP is a joint project of the Yakama Nation (YN) and the Washington Department of Fish and Wildlife (WDFW). The YN is the lead entity in this joint project. The YKFP has been working to reintroduce and/or increase the populations of all anadromous species that historically existed in the Yakima Basin. The objectives of the three components of this program are described below.

Project Management

Project management, under the leadership of the Project Advisor/Policy Coordinator (PAPC) Melvin Sampson, is responsible for the overall management of the various components of the YKFP which include three supplementation hatchery complexes, Monitoring and Evaluation for those programs, Operations and Management for all project facilities, Construction, Data Management, and all Habitat acquisitions and management of those properties.

The three supplementation hatchery complexes are:

1. Upper Yakima Supplementation and Research Complex, managed by Charles Strom, which supplements spring Chinook and conducts research evaluating the use of hatchery fish in restoring natural spawning salmon populations,
2. Lower Yakima Hatchery Complex, managed by William Fiander, which supplements and conducts research on fall/summer Chinook and evaluates the feasibility of reintroduction of coho salmon, and the
3. Klickitat Supplementation and Harvest Augmentation Hatchery Complex, managed by Jason Rau, which supplements spring Chinook and steelhead natural populations and releases fall Chinook and coho for harvest augmentation purposes.

Management is also responsible for the Monitoring and Evaluation of all the research conducted under the YKFP. This component of the overall program is under the direction of the Senior Research Scientist, Dr. David Fast. This component of the YKFP is responsible for directing all research conducted under the project, evaluating results of research projects, and using adaptive management to redirect those research programs as needed to address critical uncertainties regarding supplementation and other research objectives of the project. These decisions are made jointly with WDFW under the auspices of the Scientific and Technical Advisory Committee (STAC) which reports directly to the Policy Representatives.

William Sharp is also on the Management Project as the lead for the Klickitat River component of the YKFP.

Project Operations and Maintenance (O&M) is also under the direction of the PAPC through the management program. The O&M section is responsible for maintaining the all facilities under the YKFP in operational condition so as to achieve the overall objectives of the project. Operations are under the direction of the various project managers and the maintenance component is under the lead of Travis Hull.

Data Management

Data Management, under the direction of William Bosch, is responsible for collection, organization, storage, and analysis of all data collected under the YKFP umbrella. This component is also responsible for keeping records of management decisions, and preparing and submitting reports to BPA and manuscripts for peer reviewed publications.

Habitat

The Habitat component of the YKFP, under the lead of Scott Nicolai in the Yakima and William Conley in the Klickitat, is also under the direction of the Project Manager. The Habitat section is responsible for securing acquisition of biologically important land along the Yakima and Klickitat Rivers. The purpose of acquisition of these properties is to protect from development land in these watersheds with the objective of maintaining or improving habitat benefits for fish production and ultimately returning these watersheds to a more normative state. This is also achieved by habitat improvement projects conducted on these properties whenever warranted to increase their value to watershed restoration.

Management, Data & Habitat - October 2010

Management

The Yakima/Klickitat Fisheries Project (YKFP) remains an all stock initiative for the Yakima River Sub-basin and the Klickitat River Sub-basin. The Projects operate under a co-management arrangement with the Washington Department of Fish and Wildlife. This arrangement is established through a Memorandum of Understanding (MOU) with WDFW. This month, we will highlight the YKFP's production activities.

We operate four production facilities which requires twenty four hour over sight which operates under the assistance of alarm systems. Production personnel remain on facilities twenty four hours a day for immediate observation purposes as well as properly feed the juvenile fish. Overall, our production involves Upper bright spring salmon, coho, fall/summer chinook and steelhead.

The first production facility is the Cle Elum Supplementation and Research Facilities, located in the South Cle Elum area some twenty miles east of Ellensburg, Washington. This Complex also includes three Acclimation Facilities which each are equipped with six raceways, office accommodations, enclosed within a wire mesh fence and living accommodations for the fish culturist. The three sites are located in the Easton area; Jack Creek which is at the head waters of the Teanaway River and at Clark Flat, located in the Thorp area. These facilities are serviced during the off season and are occupied from January to June of each year. The raceways are loaded each January and Jack Creek is loaded in February due to adverse weather conditions. The fish are contained and fed and are volitional released (acclimated) and will all be forced out by May 15.

Currently, the baby salmon are being tagged and color coded and will be put in the hatchery raceways and then transported to the respective acclimation sites in January and February. Once that process is completed, the cycle is then repeated.

We also operate the Klickitat hatchery located a few miles from Glenwood, WA. We arranged a transition to operate it from the state of Washington. It's one of the earlier Mitchell Act Hatcheries which is funded primarily with Mitchell Act designated funds. Since our take over, there's been operational site review of the complex and through the efforts of the assigned personnel for the Klickitat River sub-basin, there's been some positive up grading of the complex and also passage within the sub-basin. We've also established a field office at Wahkiacus where our Biologists and field technicians operate out of doing monitoring and evaluation work throughout the basin. Over a period of time we'll further cover the additional activities taking place there.

Our other two production facilities are Prosser and Marion Drain. These two complexes primarily handle coho, fall and summer chinook. Prosser also is extensively involved in the steelhead kelt program. Both of these facilities has and is doing some major up grading including the living quarters for the care taking personnel at Marion Drain. Aside from rearing coho, fall and summer chinook, the YKFP maintenance shop and personnel operate from there to handle Project maintenance requirements.

The administrative support functions are being progressively maintained through the course of several contracts primarily with Bonneville Power Administration. The Project employs approximately one hundred personnel of which near 70% remains enrolled Tribal members. The Project has a solid reliable corps of personnel of which some have been here for a decade or more.

This concludes our summary report for this month. The intent was to address some of the production portion of the YKFP.

Data

1. Worked with Cle Elum hatchery staff to input and finalize Sept. month-end rearing (growth and survival) data for 2009 brood.
2. Produced quarterly (Jul-Sep 2010) water usage reports for Cle Elum facility and submitted to WA state dept. of ecology.
3. Assisted in 2010 Cle Elum Hatchery spawning process; conducted review and quality control of data; prepared weekly reports summarizing spawning activities for the season to date from the data collected for distribution to YKFP technical and policy representatives.
4. Prepared mark assignments for 2009 brood spring chinook marking at Cle Elum.
5. Updated Prosser (fall chinook, coho, steelhead) and Roza (final spring chin.) dam counts to a ykfp.org and DART web sites
6. Continued updates to annual spring chinook trend analysis tables including: finalizing 2010 Prosser adult migration and Yakima R. harvest data, and entry of 2010 redd/spawner survey data.
7. Maintenance and trouble-shooting of the 2010 Denil database and integration with Prosser video count database

8. Prepared and delivered presentation on Yakima spring chinook research findings to date to Cle Elum Hatchery staff
9. Prepared for release of long-term reconditioned kelts from the 2010 program; participated in workup process on Oct. 13; performed QC of database and submitted PITs to PTAGIS for this release.
10. Reviewed NOAA Mitchell Act draft environmental impact statement; worked with staff to develop testimony for public hearing(s) and presentation for Northwest Power Council.
11. Reviewed ISRP response to 2010 RME categorical review proposal; began working with MIPT to develop answers to ISRP questions
12. PH worked with Klickitat staff to further develop databases and GIS systems.

Habitat

1. Taneum Restoration Phase 2: Working with state labor crew to close access roads. Land Acquisitions: Waiting again for BPA attorney to settle on Conservation Easement language with YN.
2. Lower Reecer Floodplain Restoration: work continues, but significant delays have occurred because the water levels were higher than plans indicated, and no soils analysis was conducted, and the clay content is too high for excavation as planned. Work change orders have been developed and we will get the best restoration project possible, given limited funding and a tight work window.
3. Lower Swauk Restoration:
4. Meeting in Seattle in mid October to finalize bridge reconstruction approach, and to discuss and refine preliminary restoration concepts. Field visits and meetings with landowners scheduled for early November.
5. Conference calls and meetings on a variety of other issues, including Indian Country Land Trust, YRBWEP phase 3, Cold Creek fish passage, Gold Creek floodplain restoration, Harris property habitat restoration, Western Native Trout Initiative grant application, budget meeting and policy group attendance.

John Marvin:

1. Comment on a sub-division adjacent to Currier Creek.
2. Review and monitor HPA notices from WDFW.
3. Review and dissemination of recently acquired LIDAR data.
4. Review and comment on a reach analysis of the Lower Teanaway by WSDOT.
5. Site view and preparation of a proposed gravel mine near the Yakima River in Cle Elum.
6. Review of annual Comp Plan amendments by Yakima and Kittitas Counties.
7. Preparation of a brief to the Eastern Washington Growth Management Hearings Board for an appeal of Yakima County's Shoreline Master Program
8. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
9. Active participation in Kittitas County's Flood Task Force.
10. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
11. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
12. Monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
13. Monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
14. Various reviews of local government project and non-project notices.
15. Hank Fraser:
16. Taneum Diversion Passage The project is under construction with a proposed ending of the third week in November.

Middle Swauk Creek Screen: The screen and diversion were installed and the project was completed the week of October 25th.

Management, Data & Habitat – November 2010

Management

The Yakima/Klickitat Fisheries Projects' Management Support group remains current in most regards and is addressing areas that need to be current in specific areas. Majority of the contract funding for the YKFP is provided by the Bonneville Power Administration consistent with the authorization contained in the Power Act. The Management support personnel are assessed the administrative responsibility of coordinating and maintaining assurance that everything is in compliance and current. This has evolved into a major assignment for the respective assigned personnel. I'm pleased to announce that the current assigned support personnel are aggressively addressing their assignment responsibilities. It's fair to say that we do experience some very stressing situations at some given

times which collectively are addressed.

Habitat: Habitat is an inclusive element within our Management, Data and Habitat Contract. Habitat is a very vital element within the overall aspect of the YKFP. It also involves the purchase of key tracts within the two sub-basins. Today, the availability of key tracts is scarce as development efforts remain constant and generates a high level of competition which ultimately elevates the appraisal value of the tracts. The overall restoration of key salmon species ultimately needs as much key habitat parcels as possible. We have been very fortunate in some regards in cooperation with BPA and other support organizations. Our habitat personnel have been very instrumental in taking the lead in most of these efforts, including habitat restoration. Also, passage is and remains a key habitat priority within both sub-basins. Through the efforts of our habitat personnel there have been some key accomplishments in passage restoration. It's been a vast challenge and educational related procedures have been very effective in some areas.....thanks to our personnel.

Office Space: As previously referenced, we remain short on adequate office space for our support personnel. As everyone is aware, this contributes to a depressing working atmosphere and in some cases, creates various levels of negative atmosphere. In current and future considerations of space, we duly request to be involved in planning for proper space.

Good News: The newly installed facility at Nelson Springs is in full operation and is well received. The only remaining obligation to be done is the habitat restoration of Buckskins Slough which has been delayed due to the weather. It remains on the 'to do' drawing board, weather permitting. We utilize the new facility for our YKFP Policy Group meetings. Believe me, it's a vast improvement over the facility it replaced, despite taking a very long time to completion.

In closing, we're reminded that the tagging crew is in full swing at Cle Elum. Usually the complete tagging process is completed one or two weeks before Christmas. The tagging process is a very demanding process and requires full cooperation. The crew is to be commended for their relentless effort over the course of time to complete. Crew....job well done.

This concludes our summary report for this month.....have a happy and joyful holiday season.

Data

1. Worked with Cle Elum hatchery staff to input and finalize Oct. month-end rearing (growth and survival) data for 2010 brood, to develop incubation / pond pairings for the 2011 brood, and to input shock egg count data and produce egg enumeration reports for the 2011 brood
2. Worked with Cle Elum hatchery staff to correct water reporting data for 2nd and 3rd quarters; emailed corrected reports to WA State Dept of Ecology
3. Updated Prosser and Roza (fall chinook, coho, steelhead) dam counts to ykfp.org and DART web sites
4. Continued updates to annual spring chinook run reconstruction analysis spreadsheet
5. Prepared 2012 Yakima Basin spring chinook run forecast .
6. Maintenance of the 2011 Denil database and integration with Prosser video count database
7. Developed agenda and coordinated internal YKFP M&E project review; took notes and distributed following the meeting
8. Continued work with YN and Yakima Basin recovery board staff regarding development of habitat project effectiveness tools and database.
9. Worked with Curt Knudsen (consultant) and Andy Rittman (NOAA) regarding analysis of PIT detection efficiencies and occurrence of out-of-basin hatchery strays at/above Roza Dam
10. Worked with YN and CRITFC staff on Yakima Basin fall chinook and coho Master Planning and John Day mitigation issues
11. Prepared data and policy group decision document to reduce the risk of over-collecting wild/natural spring chinook at Roza Dam for CESRF brood stock
12. Performed quality control of Yakima Basin spring chinook redd count data dating back to 2001
13. Began working on updates to spring chinook data appendix to BPA M&E contract annual report
14. Performed quality control work on 2011 kelt database; submitted PIT tagging and recapture records to PTAGIS

Habit

1. Nelson Springs Mitigation Plan – Contract extended to 09/30/12. Fill out and submit JARPA to ACOE. Update mitigation plan. Maintain and update PISCES for project. Order plants for spring planting.

2. Large wood enhancement projects in the Holmes and Harris side channels. Invitations to bid out. Jarpa submitted. Collecting material for possible enhancements this winter.
3. Directed WCC activities at Williams Creek, including thinning and field work for placement of woody material in stream at three locations. JARPA submitted for instream work.
4. Conference calls with BPA, Forterra (formerly Cascade Land Conservancy), WDFW and landowners regarding possible habitat purchases.
5. Coho spawning survey on lower Reecer Creek.
6. Investigate potential habitat acquisition in the lower Ahtanum Creek.
7. Habitat restoration planning for lower Reecer Creek.

Ongoing Projects

1. Participate in Manastash Creek floodplain restoration post May flood event.
2. Monitor SRFB funding request for the Pott Rd restoration proposal.
3. Monitor Yakima County's development of a Cumulative Impacts Analysis concerning floodplain gravel mining. This was the result of YN's appeal of Yakima County's SMP.
4. Review, comment and monitor proposed updated road standards for Kittitas County.
5. Review, comment and monitor proposed road improvements to the Teanaway and North Fork Teanaway Roads. Meeting to discuss the project [was held on 08/02/11](#).
6. Monitor application of tax exempt status for 5 parcels purchased for habitat protection. Draft Plan of Operations sent to YNLE.
7. Monitor Yakima County's proposal to "streamline" its entire development code.
8. Participation in Kittitas County's review and amendment of its Critical Areas Ordinance and Shoreline Master Program; this project will require a significant amount of time for the remainder of the year.
9. Monitor the YN's appeal of Yakima County's CAO in the Washington State Court of Appeals. A Superior Court decision reversed the decision of the Hearings Board that the County's stream buffers were inadequate.
10. Monitor WSDOT's proposed reconstruction of HWY 410 through the Nile.
11. Monitor Kittitas County's code interpretation for administrative segregations.
12. Review and monitor HPA notices from WDFW within ceded lands.
13. Review and monitor SEPA notices within ceded lands.
14. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
15. Active participation in Kittitas County's Flood Task Force.
16. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
17. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin. (on hold)
18. Various reviews of local government project and non-project notices.

November trib passage:

- **Middle Swauk Floodplain Restoration**
 - Jansen Inc. is finished with construction: planting is completed.
- **Reecer Creek Fish Passage**
 - The project will not be constructed this fall. It would be nice to put Fisheries Engineers under contract to design and oversee this project.
- **Harris Fish Passage**
 - This project has entered the legal arena – SNID wants the Yakama Nation to ask permission and sign an agreement relative to potential problems created by construction of the project.
- **Scott Ditch Screen**
 - Landowner concerns about the project have delayed work until at least Oct. of 2012.
- **Wold Ditch/Cascade Fish Bypass Comingle**
 - Completed. CAD Truck: \$960; gravel \$560; Total= \$1,466 without tax
- **Brain Ranch Ford Fish Passage**
 - No go. Landowner problems.
- **Pott Rental Agreement**
 - A draft agreement was sent to Tim Thompson and Carroll Palmer, Land Enterprise.

Management, Data & Habitat December 2010

Management

The Yakima/Klickitat Fisheries Project (YKFP) continues as an all stock initiative under the direction of a co-management format with the Washington State Department of Fish and Wildlife with the Yakama Nation serving as the Lead Agency. Our routine operational format centers on a Policy Group meeting which includes representation from WDFW and the YN, with participation from Bonneville Power Administration (BPA). All critical factors are addressed each month in the Policy Group meetings. All of our BPA funded contracts usually has the COTR present where and when relative matters are addressed. These contracts include all of the ones for both sub-basins, i.e., Yakima River Sub-basin and Klickitat River Sub-basin.

All of our major contracts are assigned to a specific bookkeeper and Lead Biologist. In most regards, the respective contracts contain a number of Work Elements (WE) that the Biologist is responsible for completing in a timely manner. The reporting process for these contracts is included in the Picise process to BPA. The bookkeepers are extensively involved in assisting the personnel working on the WE contained in the contract. In most regards, they both coordinate their involvement in submitting the reports on Pisces to BPA. It is critical that these reports are submitted in a timely manner and coordinated through the Program Coordinator for both sub-basins. Any questions or concerns are called or emailed to the COTR. In most regards there is a good working rapport with the BPA COT. Some of our contracts are scheduled for two years which we anticipate will represent some benefits in administrating. As needed or required the bookkeepers and the respective Biologist meet to coordinate all aspects of the contract. In one way, form or fashion, the busy time of the year for each contract's remains constant.

The contracts for the Klickitat sub-basin are primarily covering some major construction at Lyle Falls, the Klickitat Hatchery and Castile Falls. These contracts are addressing some major passage and operational needs of the basin. When completed, these tasks will address some major immediate and long range needs for fish in the sub-basin. The Castile renovation was started first a few years back. It will open up and make available some prime spawning habitat within the closed area of the reservation.

This summary was primarily intended to make reference to the specific contract implementation procedure employed in the YKFP. A majority of the activity entailed within the YKFP is funded via BPA within the ACCORD. Since the YKFP eventually evolved from the implementation of the Congressional POWER ACT funded through BPA, as referenced and employed within the ACCORD. We maintain high expectations over the course of time of continuing to create some positive result on salmon and habitat restoration. This concludes my summary report for this month.

Data

1. Cle Elum spring Chinook brood year 2009 month-end growth and survival data
2. Entry quality Control and reporting
3. Cle Elum spring Chinook brood year 2009 set up and test mark quality
4. Control data entry PC
5. Cle Elum spring Chinook brood year 2010 egg accounting data entry, quality
6. Control and reporting
7. Met with local salmon recovery board to review and discuss habitat
8. Effectiveness monitoring database options
9. Internal discussion regarding visit from Siskiyou County (CA) commissioners
10. Who are interested in learning more about Yakama Coho (and Other)
11. Supplementation efforts
12. Preparation for Nelson office site move
13. Processed and posted Prosser and Roza dam count updates to web site(s)
14. Reviewed final ISRP comments on 2010 RM&E / artificial propagation projects
15. Updated annual dam count trend tracking files to include final 2010 count data

Habitat

1. Land Acquisitions: Extensive discussions with lower Reecer Creek landowners. Purchase and Sales Agreements have been developed by the landowners, and I had a meeting with Land

- Enterprise. Email discussions with BPA about closing, budgets and Conservation Easement language.
2. Lower Swauk Restoration: Meeting with one of the key landowners about restoration design, and issues with bridge capacity. Another meeting with landowner scheduled for last week in January.
 3. Scheduling and work with WCC on habitat restoration at Taneum Creek on USFS land, Cherry Creek Fish salvage and maintenance, repairs and improvements at the Holmes property.
 4. Conference calls and meetings on a variety of other issues, including PISCES reporting, wetland mitigation at the hatchery, and policy group attendance.

Land Use:

1. Hearings Board for an appeal Preparation of a brief to the Eastern Washington Growth Management of Yakima County's Shoreline Master Program
2. Review drafts and meetings with WDFW on proposed legislative amendments to the HPA program.
3. Meeting with WDFW, NMFS and USFWS on a proposed HCP for management of WDFW lands.
4. Meeting with BLM on a management plan for their lands in Eastern Washington.
5. Meeting with Cowiche Canyon Conservancy on upcoming projects in the Cowiche basin.
6. Review and monitor HPA notices from WDFW.
7. Review and monitor SEPA notices within ceded lands.
8. Review of annual Comp Plan amendments by Yakima and Kittitas Counties.
9. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
10. Active participation in Kittitas County's Flood Task Force.
11. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
12. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
13. Monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
14. Monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
15. Various reviews of local government project and non-project notices.

Tributary Passage:

1. Middle Swauk Floodplain Restoration
 - i. Cardno/ Entrix has completed 60% designs and associated cost estimates. Cost estimates seemed high so we are examining ways to cut costs or amend the scope.
2. Reecer Creek Fish Passage
 - i. Jay Kidder, Chinook Engineering, has done a site survey and considered preliminary design options. Jay estimates the cost of the remaining engineering (\$26,700) and construction (\$145,000) to total \$171,700. He anticipates finishing design this spring to facilitate permitting in time for construction (Oct. 2011).
3. Harris Fish Passage
 - i. Jay Kidder, Chinook Engineering, has done a survey and provided drawings of preliminary design options. Jay estimates the cost of the remaining engineering (\$27,300) and construction (\$95,000) to total \$122,300 for the complete project. He anticipates finishing design this spring to facilitate permitting and construction in Oct. 2011, or before.
4. Little Creek Fish Screen and Passage
 - i. Site survey and preliminary drawings have been done by Fisheries Consultants, Inc., Paul Tappel. Additional engineering (\$20K) and construction (\$80K) result in an estimate of \$100K for the completed project. Construction is anticipated in Oct., 2011.
5. Scott Ditch Screen
 - i. Fisheries Consultants, Inc., Paul Tappel, has been on a site visit with me, WDFW and the landowner. No drawings yet but Paul estimates that final engineering (\$35K) and construction (\$150K) will result in a \$185,000 project.
6. Wold Ditch/Cascade Fish Bypass Comingle
 - i. The site has been visited with Larry Brown and Scott Nicolai. The next step will require that a survey be done by an engineer in order to compare relative heights of ditches to the elevation of the Cascade Canal bypass. There is no budget specified for this project yet.
7. Holmes Bridge

- i. The bridge is on site. An archeological survey must be conducted as the initial step of the permitting process. A scheduled site visit with an archeologist was
- ii. Postponed due to snow. There is no budget for this project.

Management, Data and Habit - January 2011

Management

The Yakima/Klickitat Fisheries Project (YKFP) remains a joint venture pursuant to a joint Memorandum of Agreement with our co-managers, Washington Department of Fish and Wildlife (WDFW). The Yakama Nation serves as the Lead Agency responsible for the day to day operations. Aside from special circumstances, we formally convene a monthly meeting which includes representatives from (WDFW) and Bonneville Power Administration (BPA) and various Project personnel. In most regards our decision making process is by consensus and usually results in a "decision document" for the record.

Our formal and normal operations include four production facilities, habitat and passage review and assessment, research which includes various stages of monitoring. Primarily, we are addressing the following species; Upper Yakima River Bright Spring Chinook fall (summer) Chinook, Coho, Steelhead and Sockeye. Major emphasis initially has been testing the concepts of Supplementation which has proven to be very challenging and interesting.

The funding to address all of the work elements contained in our contracts (Via ACCORD) is funded by the BPA, consistent with the Power Act. We have in the past year implemented entering into two year contracts which has replaced the one year arrangements. This addresses a better level of stability and requires administratively less time which has proven to be beneficial. Due to the magnitude of all of our contracts, which requires a high level of efficiency by all of our support staff, all positive adjustments in the course of operation is welcomed.

In most regards, all of our contracts for both sub-basins are current with the exception of some delay in fulfilling some habitat reporting which is being addressed. It has become apparent that due to the magnitude of the habitat functions, we are short certain manpower abilities which basically can be addressed with some additional support. We are currently pursuing some options to address this.

We have been pursuing for some period of time installing an adequate replacement facility for our Project personnel at Nelson Springs. We have gone through various stages of effort with BPA and the Power Council Commission. It's been a matter of years. Currently, we have advanced to the stage of replacing the inadequate double wide trailer with a modular designed facility to replace and house all of our Project personnel that are located there. This will include demolishing both current facilities there that are inadequate. It will also include some storage accommodations for Project equipment and vehicles. We have consistently approached this on the basis that we are "forever" and need facilities that are adequate for the sake of operation and safety for the general public and Project personnel. The replacement facility is being funded by BPA and also was included in the ACCORD deliberations.

In closing for this month, pleased to report that the Management aspect of the YKFP is and remains compatible through all stages of operation in the support arena. All procedural matters are in place including the scheduling of the Internal Project Annual Review (IPAR). This internal process where the past years work elements have been addressed and plan lay outs are addressed for the upcoming year. This concludes our monthly management summary report for this month.

Data

1. Worked with Cle Elum hatchery staff to input and finalize December month-end rearing growth and survival data for 2009 brood.
2. Completed 4th quarter water reports for Cle Elum water usage and submitted to state DOE
3. Prepared summary of BY09 Cle Elum mark quality control database; distributed to MIPT
4. Worked with staff and BPA to finalize Yakima Basin Hatchery Genetic Management Plan. (HGMPs) for submittal to NOAA for consultation.
5. Worked with staff, CRITFC and Yakima Basin Recovery Board regarding next steps on habitat, effectiveness accounting and tracking.
6. Presented summary of Tribal salmon restoration projects at Mitchell Act Workshop.
7. Participated in regional "Coordinated Assessments" process and interviews for technical data Support staff.
8. Reviewed ISRP response to Kelt reconditioning projects; coordinated with tribal staffs and

Attorneys regarding next steps; prepared data to use John Day steelhead as a control/reference Populations for Yakima steelhead work.

9. Prepared and presented poster on integrating PIT readers into MS Access applications at Regional PIT workshop
10. Coordinated upcoming Siskiyou County tour with YKFP and local Salmon Recovery Board
11. Coordinated scheduling and agenda for internal PAR.
13. Worked with staff to clean out and evacuate Nelson trailer
14. Worked with project consultants regarding adult survival analyses for HxH versus NxN Clark Flat releases.
15. Updates of Prosser counts to web site.
16. Prepared databases for CESRF BY2010 rearing and BY2011 Roza sampling; updated and Tested BY2011 Roza database.
17. Started work on finalizing 2010 video and Prosser/Roza trap counts and posting these final Count data to YKFP and DART web sites.
18. Maintenance and improvements to ykfp.org web site.
19. Worked with Klickitat staff to further develop web site, databases and GIS systems.

Habitat

1. Land Acquisitions: Extensive discussions with lower Reecer Creek landowners. Purchase and Sales Agreements have been updated by BPA and reviewed by Legal Counsel. Email discussions with BPA about closing, budgets and Conservation Easement language. Tentative closing date 2/28.
2. Lower Swauk Restoration: Reviewed Bridge Design Recommendations. Next meeting with landowner postponed until 2/11.
3. Scheduling and work with WCC on habitat restoration at Taneum Creek on USFS land, Olmstead Park stream restoration, metal salvage, environmental education activities, and improvements at the Holmes property.
4. Discussions with strategic landowner on Manastash, regarding in stream flow and habitat improvements.
5. Correspondence with two private landowners on Taneum Creek regarding the flood impacts.
6. Proposal to WDNR regarding floodplain Restoration on Indian Creek, tribe to the NF Teanaway.
7. Conference calls and meetings on a variety of other issues, including PISCES reporting, wetland mitigation at the hatchery, and policy group reporting.

Land Use:

1. Pr-Hearing brief to the Eastern Washington Growth Management Hearings Board for an appeal of Yakima County's Shoreline Master Program was submitted on 01/10/11. The hearing is scheduled for 02/28/11.
2. Review and possible legal action against Kittitas County for approving administrative segregations in the Upper County groundwater area.
3. Submitted comments to the City of Yakima for a proposed soccer complex adjacent to Wide Hollow Creek.
4. Review and comment on a Draft Shoreline Master Program for Chelan County.
5. Review drafts of WDFW on proposed legislative amendments to the HPA program.
6. Review and monitor HPA notices from WDFW.
7. Review and monitor SEPA notices within ceded lands.
8. Monitor annual Comp Plan amendments by Yakima and Kittitas Counties.
9. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
10. Active participation in Kittitas County's Flood Task Force.
11. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
12. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin. (on hold)
13. Monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
14. Monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
15. Various reviews of local government project and non-project notices.

Tributary Passage:

1. Middle Swauk Floodplain Restoration: Have begun a preliminary attempt to get further funding from the WASCO Fund and have sent a revised request to Patty Smith (\$206K) for the remainder of the funding necessary to complete the project.

2. Reecer Creek Fish Passage: Chinook Engineering, Jay Kidder, will have drawings for review by February 15th. We are looking at consolidation of the two diversions operated by Eason on the Pautzke Property. A screen will be installed; however, permanent fish passage may be too expensive compared to allowing passage between irrigation sets.
3. Harris Fish Passage: Chinook Engineering, Jay Kidder, will have drawings for review by February 15th. We anticipate removing the existing dam and using log weirs (suggested by WDFW) rather than a roughened channel for fish passage.

Management, Data and Habit – February 2011

Management

The Yakima/Klickitat Fisheries Project (YKFP) still operates under a co-management arrangement with the Washington Department of Fish & Wildlife (WDFW). Supported by a Memorandum of Understanding (MOU) Normally, we have a monthly meeting which employs a representative for WDFW and our COTR from Bonneville Power Administrative and various project personnel. We function primarily under a “consensus basis”. Which has proved to be acceptable in most of not all regards? The Yakama Nation is the Lead Agency for the YKFP and is responsible for the day to day operations. The YN has various key contracts with BPA as does WDFW that supports the operation in all areas of the YKFP. It has become apparent over the course of time that the operation’s of the YKFP is highly dependent on the effectiveness of the participating agencies plus the BPA.

Since our ability to continue to be effective in achieving and completing the respective work elements in a timely manner is highly dependent on having and maintaining personnel that either have the ability or have the desire to achieve the ability and become productive in that regards. The YN has made a decision assure that we are and remain competitive. It was assessed that our compensation level for comparable positions was in the area of twenty per cent below which has affected our recruitment and retention of personnel. An interim decision was made to honor twenty percent adjustment while we do a final assessment and modification of each position. We are at critical time where the Project cannot afford to lose any personnel and hopefully the address of each respective position will be realized. For the initial period of time support personnel weren’t included. i.e., bookkeepers and management personnel despite their status.

Annually, a major activity that transpires at the Cle Elum Production Facility is the transfer of fish to the three acclimation sites: Easton, Clark Flat and Jack Creek. The transfer for Easton and Clark Flat was successfully completed two weeks ago. Due to the snow/weather situation at Jack Creek, the transfer is usually around two weeks later, which was the case this year. The fish transfer for Jack Creek was completed on February 17, 2011. These Upper Bright Spring Chinook will be reared there until May 15th. They will be volitional released and those that have not chosen to leave will be forced out by May 15th. This date gives us two weeks for clean up since the water right situations ends on June 1st for Clark Flat. Each acclimation site is occupied twenty four hours a day and has living accommodations at each site for the attendant. Since we converted the living trailer spaces to permanent living quarters in place of the portable camp trailers, it appears to be a more favorable arrangements for the attendant. The attendant position has a huge responsibility during their tenor there as the full operations are critical in all regards.

Nelson Springs: We have initiated a ‘Notice to Proceed’ to the contractor and we had our first construction meeting yesterday. We implemented a prime contract who in turn has implemented sub-contracts to various contractors for work that will be done for the full installation of the modular complex. The four foot foundation will be the responsibility of the Modular contractor; they may choose to have a sub-contractor complete it. It is required to be four feet due to the flood plain designations. Due to the revised flood plain situation, it has created and caused some major modifications since the inception of the plan development. It changed the actual lay out as well as the actual site installation. We are thoroughly pleased that we are finally at a stage where it appears it is finally happening.

Administratively, all contractual functions appear to be in order and we have the same personnel performing all of the vital functions. Our corp. support personnel have very pleasing to work with and they are very effective in coordinating with our project personnel including the Lead Biologists.

This concludes our summary report for this month. We remain pleased and look forward to another productive month.

Data

1. Cle Elum spring Chinook brood year 2009 growth and survival data entry and QC

For January 2010 sampling

2. Prepare for and participate in internal project review meeting; draft and Distribute notes from meeting
3. Prepare for and participate in a tour by Siskiyou County of Yakima Basin Coho Projects and partnerships
4. Prepare for and present paper on tribal supplementation successes at the Oregon Chapter American Fisheries Society meeting
5. Enter age data and quality control of Roza 2010 spring Chinook sampling Database
6. Finalize 2010 dam count data and prepare 2011 tables for interface with the U. of W. Data access in real time (DART) system
7. Participate in Columbia River Inter-Tribal Fish Commission discussion of John Day mitigation project monies and potential to use some of this funding for Yakima Basin fall Chinook master plan implementation; coordinate meeting to Prepare a presentation to present to the Commission at its March meeting in Toppenish
8. Participate in regional coordinated assessments project; begin orientation of Temporary technician hired to assist Yakama with assembling data exchange Templates for selected population in the Klickitat and Yakima Basins
9. continue compiling, analyzing and summarizing 2010 spring Chinook data for BPA annual report appendix

Habitat

1. Land Acquisitions: Purchase and Sales Agreements have been signed by YNLE for the largest two parcels in Reecer. Closing date 2/28. Further discussions on the third of three total purchases in Reecer. Correspondence on the "Church property", which is an 80+ acre proposed purchase on the Yakima River, near the Teanaway River confluence.
2. Lower Swauk Restoration: held meeting with landowner. Waiting for SOW from consultant for phase 3.
3. Scheduling and work with WCC on habitat restoration at Spring Creek, Brunson Farm, Olmstead Park, and improvements at the Holmes property.
4. Correspondence with WDNR regarding floodplain Restoration on Indian Creek, tribe to the NF Teanaway.
5. Conference calls and meetings on a variety of other issues, including PISCES reporting, wetland mitigation at the hatchery, and policy group reporting, Manastash Creek Instream Flow restoration, field meetings and discussions with representatives from Klamath watershed, Yakima Canyon Scenic Byway, and Upper Yakima Watershed Action Group.

Land Use:

1. Preparation for a hearing before the Eastern Washington Growth Management Hearings Board for an appeal of Yakima County's Shoreline Master Program.
2. Review and possible legal action against Kittitas County for approving administrative segregations in the Upper County groundwater area.
3. Submitted comments to the City of Yakima for the proposed redevelopment of the Boise-Cascade Mill.
4. Review drafts of WDFW on proposed legislative amendments to the HPA program.
5. Review and monitor HPA notices from WDFW.
6. Review and monitor SEPA notices within ceded lands.
7. Monitor annual Comp Plan amendments by Yakima and Kittitas Counties.
8. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
9. Active participation in Kittitas County's Flood Task Force.
10. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
11. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin. (on hold)
12. Monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
13. Monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
14. Various reviews of local government project and non-project notices.

Tributary Passage

1. **Middle Swauk Floodplain Restoration.** I need to get a response to the request for additional BPA funding prior to moving ahead. A TWG meeting (Feb. 8th) was held relative to the ENTRIX drawings/design. Comments have been forwarded to ENTRIX. Next steps include drafting a contract for the construction work and going to bid.
2. **Reecer Creek Fish Passage Chinook Engineering.** Jay Kidder, had 20% drawings for a phone conversation on February 16th. We are looking at consolidation of the two diversions operated by Eason on the Pautzke Property. A screen will be installed; however, permanent fish passage may be too expensive compared to allowing passage between irrigation sets.
3. **Harris Fish Passage Chinook Engineering.** Jay Kidder did not have drawings for review by February 15th as predicted. We anticipate removing the existing dam and using log weirs (suggested by WDFW) rather than a roughened channel for fish passage.
4. **Little Creek Fish Screen and Passage.** Paul Tappel, Fisheries Consultants, Inc., has finished preliminary design and cost estimates for Little Creek. We anticipate a TWG meeting in several weeks.
5. **Scott Ditch Screen.** Paul Tappel, Fisheries Consultants, Inc. has finished the site survey work (2-19-11) and will be developing preliminary alternatives in the next several weeks.
6. **Wold Ditch/Cascade Fish Bypass Comingle.** Paul Tappel has developed a plan to install a semi-permeable berm between the Cascade Canal bypass and the operational spill from Wold Ditch. No permits required according to Jen. We'd shoot 40 to 60 cubic yards of gravel from a CAD truck to create the berm. Paul is developing a site-map from survey data we gathered on 2-19-11. This is a fairly cheap solution but I don't have a cost on gravel yet.
7. **Holmes Bridge.** HPA is in hand – ready to go to bid.

Management, Data and Habit – March 2011

Management

The Yakima/Klickitat Fisheries Project (YKFP) remains a co-management operation with the Washington Department of Fish and Wildlife. The Yakama Nation is the Lead Agency and is responsible for the day to day operations. The Policy Group is the immediate oversight entity of the YKFP of which there's representation from WDFW and YN with the Bonneville Power Administration (BPA) participating with their designated representative. Normally, we have monthly meetings which are chaired by the YN's representative. Normally, we operate on a 'consensus' basis of which minutes are retained and when appropriate, we utilize 'decision documents'.

I will attempt to share the working status that exists between the co-managers. The research and monitoring aspect of our contracts that we employ with BPA spell out the projected activities for the upcoming year and in some cases, two years. The existing and future goals and objectives are developed as a joint effort of the co-managers with the participation of appropriate Project personnel. There remains a central data bank maintained by the Data Manager employed under the direction of the YN. The status of the Project activities that have accumulated various volumes of data are logged in by the Data Manager who is housed at our office complex at Nelson Springs. The WDFW also maintains a separate contract with BPA for their participation in the YKFP. They have limited participation in the Klickitat Sub-basin primarily due to their organizational arrangement. Their participation has been getting better over the course of time.

The assessment of the pay structure for fisheries personnel has been started utilizing consultants from the Spokane area. There's been two sessions with him which also included some live interviews with various fisheries personnel. I personally recommend that the upgraded pay scales should be done on the basis of Department to Department basis which would and should accommodate for the vast differences in performance requirements in their respective jobs. The YKFP is involved in some of their related goals and objectives (including production) that have never been formally done or achieved. A completed assessment would appear to be fair with the ability to properly maintain it.

We are currently developing and seeking coordination with BPA on our existing contracts consistent with their desire to modify some contracts from their two year to one year format due excessive workloads. It creates on they're all on the same platform. We initially have recommended for this year to change the MDH contract to a one year performance period and the other contracts remain for a two year performance period. This suggestively should give them some work load relief.

Nelson Springs: I have previously reported on the proposed new modular replacement office facility for Nelson Springs as the two existing facilities were insufficient and were in some regards unsafe. As of today, the four sections of the modular were set in place and formally being finished. Due to the flood plain designation, the

modular replacement office complex has to be elevated four feet above ground level. This will require a handicap access ramp to be installed which will be approximately the length of the building running parallel in the east and west direction. Working in coordination with BPA, this has taken a long, long time to finally cause it to happen which will address a situation that was long overdue. The property that the facility is located on actually belongs to BPA and we'll devise a utilization agreement with BPA.

In summary, all of our contractual arrangements and the respective Project activities are current and in place. This concludes our summary report for this month. We remain committed to seek another successful operation within the YKFP.

Data

1. Worked with Cle Elum hatchery staff to input and finalize February month-end rearing (growth and survival) data for 2009 brood ponding assignments for 2010 brood.
2. Began tracking 2011 Roza adult steelhead return updating counts to web sites
3. Submitted planned Yakima Basin release data for 2011 to NOAA and Fish Passage Center
4. Data entry and quality control of 2010 Roza and spawning ground age sample data; archived data to master "age/sex/length" database
5. Continued work on fiscal year 2010 BPA M&E project annual report
6. Worked with Yakama technician on the regional "Coordinated Assessments" To prepare Yakima Basin data for the data exchange template and other work products associated with that effort.
7. Reviewed materials related to the NOAA Biological Opinion for tribal attorneys; prepared comments and alternate language
8. Worked with other tribal staff. To begin planning and preparations for a regional conference/workshop highlight tribal salmon restoration efforts
9. Participated in meeting with YN, CRITFC and YBSRB. Regarding integration of Yakima Basin Recovery Board "Action" and project implementation data with EDT analyses data to build a tool for monitoring habitat effectiveness in the Yakima Basin
10. Updates of 2011 Prosser counts to web site.
11. Prepared database and monitor materials for 2011 Yakima River tribal spring Chinook fishery monitoring
12. Assisted harvest staff with OR/WA fish ticket data loading and updating for 2008-2010 catch years
13. Worked with weeds management program. To initiate drafting of strategies to address star grass issues in Lower Yakima
14. Worked with tribal staff to prepare and present a tour and options for Yakima Basin fall Chinook program transition (LWS to Priest Rapids) and John Day mitigation to the Columbia River Inter-Tribal Fish Commission
15. Conducted quality control of 2008-2010 Klickitat Basin spawner survey / hatchery CWT recovery data and release data; submitted data to regional RMIS data
16. Prepared projection of 2010-11 Yakima steelhead return based on Prosser counts to date; analyzed Yakima returns versus Bonneville aggregate and wild aggregate returns; responded to queries from NOAA re Yakima steelhead returns
17. Prepared, installed, and tested 2011 Kelt tracking database; participated in 2011 Kelt project planning meeting
18. Prepared draft letter (including list of publication titles) inviting ISRP to 2011 Science and Mgmt Conference; circulated to STAC for review
19. Updated spreadsheets for tracking 2011 spring Chinook migration
20. Monitoring of Yakima Basin juvenile outmigration with updates to web site.
21. Maintenance and improvements to ykfp.org web site.
22. Worked with Klickitat staff to assist in development of PAR presentations and to further develop web site, databases and GIS systems.

Management, Data and Habit - April 2011

Management

The Yakima/Klickitat Fisheries Project (YKFP) continues as an all stock Project with our co-management arrangement with the Washington Department of Fish & Wildlife (WDFW). The Yakama Nation remains the Lead Agency responsible for the day to day operations which includes four production facilities. The YKFP is primarily funded through various contracts with the Bonneville Power Administration (BPA). The WDFW

initiates their own contracts for their participation in the YKFP activities, including the research aspects employed by the YKFP.

Normally, the advent of the spring season routinely activates the field work and various stages of the research activities. It also represents the season for the annual return of the upriver bright spring Chinook which will activate the operation of the Roza trap operations which leads to certain movements within the Cle Elum Research Facility located in South Cle Elum. Brood stock capture is done at the Roza adult trap complex once the returns excel and reach the facility in route to their annual spawning sites. The spring salmon returns also triggers the annual fishing season schedules for the lower Columbia (zone 6) as well as the season for the Klickitat River and the Yakima River. This includes the Sports season as well as the Tribal season. The YKFP does the season catch monitoring for the Yakima River Tribal Fishing season which includes the wild stock and the hatchery stock.

Out migration: The spring Chinook out migration from our three spring Chinook acclimation sites is in full swing. The juvenile spring Chinook are volitionally released from the three sites with the formal pushing the balance of fish out on May 15th. This year, we've been very fortunate to have high flows plus the river water with a high level of color which does two things; high water accelerates the out migration of the smolts for their journey to the ocean and the instilled run off color of the water assists in reducing the predation factors of the juveniles, especially for avian predation. A phase of the monitoring of the juvenile out migration takes place at the juvenile trap at Roza where they cited various numbers of spring smolts out migrating. Of special interest was the sighting of the juveniles from Jack Creek acclimation site which had to be forced out early due to extreme flooding conditions at the facility. The safety factors were paramount in making that determination to force them all out approximately one month early. In so doing, the juveniles still had over six weeks of homing to the water there. In conclusion, it appears everything did work out.

Nelson Springs: The status of the replacement Monitoring and Evaluation Facility at Nelson Springs is finally visually taking shape. The modular complex was delivered and assembled in four sections. A very large crane utilizing a nylon saddle strap concept was able to lift and place each unit in place which ultimately was sandwiched together on the elevated foundation piers then mounted. Prior to that, the roof on each section was elevated and permanently mounted in place with the proper pitch. I was informed that the roofs on one side of the section were mounted on a large hinge which then allowed them to be flat for transporting and then elevated for proper installation. Once the four sections were properly mounted the handicap access platform was installed as well as the entrance steps and deck on the west end was installed utilizing fully treated lumber with the floor being the composite material. The facility appears larger than one could imagine by reviewing just the plans.

Electricity/Well? The electricity from Pacific Power is scheduled to be installed and connected next Wednesday, April 27th. It will then take approximately two to four weeks to finalize and complete the inside. The drilling and completion of the well has been completed. It is now waiting to be formally hooked up to the facility.

Pole Building/gravel and black topping: The pole building is complete and the installation of the black topping is scheduled for today. The general date for moving is in the area of May 18th. We need to install a storage complex for final transition to store library and other paper records, etc. We are looking at those metal shipping containers for the storage which will remain as a permanent aspect of Nelson Springs.

In general, all other aspects of the Management/Administrative segments of the YKFP appear to all are in order. Our Project Coordinator, Adrienne Wilson is to be commended for update operational status of the YKFP. This concludes our summary report for this month. Happy Fishing.....

Data

1. Lower Swauk Restoration: Reviewed and provided comments on SOW from consultant for phase 3. Attended night meeting with TNC personnel on restoration project. Site visit to Conservation Easement to determine if suitable material was present for usage in restoration work.
2. Scheduling and work with WCC on habitat restoration at Taneum Creek, improvements at the Holmes property.
3. Correspondence with WDNR regarding floodplain Restoration on Indian Creek, tribe to the NF Teanaway.
4. Environmental Education Activities at Holmes Habitat parcel. 220 school children attended.
5. Conference calls and meetings on a variety of other issues, including PISCES reporting, wetland mitigation at the hatchery, field meeting with Upper Yakima Watershed Action Group, meeting at Pott Road property with official from Kittitas County Weed Board, CWU biology instructor on Taneum Restoration and RR analysis.
6. Salmon Days at the Harris property.

7. Participation in a Kittitas County Citizen Advisory Committee to prepare a recommendation to the Board on the formation of a Flood Control Zone District.
8. Participation in Kittitas County's review and amendment of its Critical Areas Ordinance; this project will require a significant amount of time for the remainder of the year.
9. The YN's appeal of Yakima County's CAO has now been appealed to the Washington State Court of Appeals. A Superior Court decision reversed the decision of the Hearings Board that the County's stream buffers were inadequate.
10. Consultation on WSDOT's proposed reconstruction of HWY 410 through the Nile.
11. The Eastern Washington Growth Management Hearings Board is scheduled to issue its decision on the YN's appeal of Yakima County's Shoreline Master Program. Review of the decision and further action may be required.
12. Monitor Kittitas County's code interpretation for administrative segregations.
13. Consultation with the City of Wapato for the adoption of a Critical Areas Ordinance.
14. Review drafts of WDFW on proposed legislative amendments to the HPA program.
15. Review and monitor HPA notices from WDFW.
16. Review and monitor SEPA notices within ceded lands.
17. Monitor annual Comp Plan amendments by Yakima and Kittitas Counties.
18. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
19. Active participation in Kittitas County's Flood Task Force.
20. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
21. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin. (on hold)
22. Monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
23. Monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
24. Various reviews of local government project and non-project notices.

Tributary Passage

- a. No report submitted due to work load.

Habitat

Worked with Cle Elum hatchery staff to input and finalize March month-end rearing (growth and survival) data for 2009 and 2010 broods

1. Completed 1st quarter 2011 water reports for Cle Elum water usage and submitted to state DOE
2. Updated 2011 Prosser and Roza adult steelhead counts
3. Continued work on fiscal year 2010 BPA M&E project annual report
4. Began tracking 2011 Bonn. And Prosser Dam spring Chinook counts
5. Maintenance and QC of steelhead Kelt database; update annual steelhead trend data
6. Submitted 2011 Kelt release data to date
7. Worked with YN and CRITFC staff on fall Chinook master plan and John Day mitigation strategies
8. Reviewed coordinated assessments work products and participated in 4/21 workshops to discuss these documents and regional VSP database considerations
9. Prepared presentation for May 20 Fisheries and Hatcheries legal conference in Portland
10. Worked with YN and CRITFC staff to develop agenda, format, and speaker list for June 1-2 tribal restoration conference
11. Prepared and finalized invite letter to ISRP to attend Yakima Basin Science & Mgmt Conference June 15-16
12. Monitoring of Yakima Basin juvenile outmigration with updates to web site
13. Maintenance and improvements to ykfp.org web site including research and repair on site security issues
14. Worked with Klickitat staff to further develop web site, submit CWT release and recovery data to regional databases, and GIS systems.

Management, Data and Habit - May 2011

Management

The Yakima/Klickitat Fisheries Project remains a co-management activity with the Washington Department of Fish and Wildlife. The operational aspect of the YKFP is carried out with and through the Policy Group which consists of formal representation from WDFW and YN. Through this process, the YN remains the Lead Agency. We meet at least once a month with conference calls scheduled when necessary. The YKFP operates primarily with respective contracts with the Bonneville Power Administration, (BPA).

The YKFP Management aspect of the YKFP primarily fulfills the role of support agency for all of the operational and research work elements exercised within the Yakima River sub-basin and the Klickitat River sub-basin. All of the work elements contained in the contracts revolve around an "all stock" initiative. The all stock initiative primarily addresses the historic salmon inventory that previously occupied these two respective sub-basins. Prime advances have been made involving salmon restoration and habitat enhancement within the two sub-basins including the tributaries. Various scientific methods have been tested and utilized. Within all of these various work elements, the management aspect has been successfully maintaining a current administrative support for all of the various activities. This also includes the numerous personnel related functions that evolve.

The Management aspects are also contained within the contracts executed with BPA. Financial accountability remains a key responsibility of the personnel involved in maintaining the financial matters within the budgets. This responsibility is majestic and requires keen attention on a daily basis. Very pleased to announce that our corp. group of support personnel are consistent in their assigned responsibilities as they formalize positive arrangements with all of the respective Project personnel. The Management aspect of the YKFP remains committed to being punctual and up to date on said responsibilities. They are to be commended.

In closing, the new M&E facility at Nelson Springs is nearing completion including the surrounding landscaping. We are expecting to be moving into the complex around the first or second week of June. The last site activities include the demolition of the converted house and the habitat restoration of Buckskin Slough. Needless to say, the occupants are getting very anxious to move in and to evacuate the inadequate situation they have been putting up with for a long period of time.

We, in the Management aspect of the YKFP are pleased to announce that all matters have been addressed or are in the process of being addressed. We duly intend to address all the challenges that routinely confront us. We extend our appreciation to all YKFP personnel for a job well done. We encourage you to keep it up.

Data

1. Worked with Cle Elum hatchery staff to input and finalize April month-end rearing (growth and survival) data for 2009 and 2010 broods
2. Updated 2011 Prosser and Roza steelhead counts; submitted Roza tag data to PTAGIS
3. Continued tracking 2011 Bonneville, Prosser and Roza Dam spring Chinook counts and PIT detections
4. Continued work on fiscal year 2010 M&E contract annual report to BPA
5. Responded to various MIPT data requests
6. Reviewed data on DART (10-year average steelhead counts) for Yakima Basin; submitted data and e-mails to DART for correcting and improving their DART reports
7. 2011 Kelt database management, backup, and maintenance; submit no-term and Yakima direct released PITs to PTAGIS
8. Reviewed coordinated assessments work products for Yakima Basin; suggested modifications and corrections; summarized YN data management achievements to date and worked with Klickitat and CRITFC staffs to develop draft YN regional data sharing strategy
9. Worked with YN, CRITFC, and member tribes' staffs to develop and refine agenda for June 1-2 Tribal Restoration conference
10. Worked with YN and Nelson staff to coordinate move to new facility including telephone and data communications / network setup
11. Reviewed Umpqua river Coho relative reproductive success study publications
12. Prepared and delivered presentation at "Fisheries & Hatcheries - Legal and Regulatory Frameworks" conference
13. Coordinated and led tour of Roza and CESRF facilities with Dr. Tetsu Sato, Nagano University, Japan and his graduate assistant, Alan Waxman, of Harvard University
14. Reviewed budget and statement of work for 2012 Mgmt, Data, and Habitat contract
15. Monitoring of Yakima Basin juvenile outmigration with updates to web site
16. Maintenance and improvements to ykfp.org web site.

17. Worked with Klickitat staff to further develop web site, databases and GIS systems.

Habitat

1. Flood response – May 15-17 flood was extreme in Manastash and Taneum Creeks. Met with landowners, irrigators and contractors on numerous occasions to try to achieve flood responses that are consistent with fish habitat requisites.
2. Lower Swauk Restoration: Worked on Budgeting with YKFP staff to align funding for this project.
3. Attended CRITFC conference on salmon restoration
4. Wrote SRFB pre application grant for riparian restoration on Pott property.
5. Coordinated mitigation project for hatchery operations.
6. Evaluated water diversion modifications in Tillman subdrainage, for potential enhancements for stream flow on BPA habitat parcel.
7. Scheduling and work with WCC on habitat restoration at Taneum Creek, Pott Road property, Dixon Habitat parcel (near Cle Elum), and the Holmes property.
8. Correspondence with staff on flood response.
9. Preparation for, and attendance at evening teleconference call with Mid Columbia Fish Enhancement Group re flood in Taneum, and landowner concerns about large wood replenishment project's potential effects on downstream flooding.
10. Conference calls and meetings on a variety of other issues, including PISCES reporting, lower Reecer floodplain restoration, potential for setback levee construction adjacent to Pott Road property, meetings with lamprey biologist about possible monitoring locations in Kittitas County.
11. Review and comment on a proposed gas station along Wilson Creek in Ellensburg.
12. Review, comment and monitor proposed updated road standards for Kittitas County.
13. Review, comment and monitor proposed road improvements to the Teanaway and North Fork Teanaway Roads. On-going as the project progresses.
14. Application of tax exempt status for 5 parcels purchased for habitat protection. Waiting on info from OLC to either apply for Open/Open Space through the state or apply for trust status through BIA.
15. Monitor Yakima County's proposal to "streamline" its entire development code.
16. Participation in a Kittitas County Citizen Advisory Committee to prepare a recommendation to the Board on the formation of a Flood Control Zone District.
17. Participation in Kittitas County's review and amendment of its Critical Areas Ordinance; this project will require a significant amount of time for the remainder of the year.
18. The YN's appeal of Yakima County's CAO has now been appealed to the Washington State Court of Appeals. A Superior Court decision reversed the decision of the Hearings Board that the County's stream buffers were inadequate.
19. Consultation on WSDOT's proposed reconstruction of HWY 410 through the Nile.
20. Monitor Kittitas County's code interpretation for administrative segregations.
21. Monitor drafts of WDFW on proposed legislative amendments to the HPA program.
22. Review and monitor HPA notices from WDFW within ceded lands.
23. Review and monitor SEPA notices within ceded lands.
24. Monitor annual Comp Plan amendments by Yakima and Kittitas Counties.
25. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
26. Active participation in Kittitas County's Flood Task Force.
27. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
28. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin. (on hold)
29. Monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
30. Monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
31. Various reviews of local government project and non-project notices.

Tributary Passage

1. Middle Swauk Floodplain Restoration
 - i. Cardno/ Entrix has completed 90% designs and is now working on bid documents, construction is anticipated in mid-July. An additional \$206,000 has been requested from BPA and a grant application was submitted to the McNary Mitigation Fund.

2. Reecer Creek Fish Passage
 - i. Jay Kidder, Chinook Engineering, has done a site survey and considered preliminary design options. Jay estimates the cost of the remaining engineering (\$26,700) and construction (\$145,000) to total \$171,700. He anticipates finishing design this spring to facilitate permitting in time for construction (Oct. 2011).
 3. Harris Fish Passage
 - i. Jay Kidder, Chinook Engineering, has done a survey and provided drawings of preliminary design options. Jay estimates the cost of the remaining engineering (\$27,300) and construction (\$95,000) to total \$122,300 for the complete project. He anticipates finishing design this spring to facilitate permitting and construction in Oct. 2011, or before.
 4. Little Creek Fish Screen and Passage
 - i. Preliminary design work is finished but construction has been postponed indefinitely
 5. Scott Ditch Screen
 - i. Fisheries Consultants, Inc., Paul Tappel, has surveyed the site and produced preliminary drawings. Easement questions will delay the construction of the project until FY 2013.
 6. Wold Ditch/Cascade Fish Bypass Comingle
 - i. The site has been visited by Paul Tappel. A site survey has been completed and a solution to the "fish leak" from the Cascade Canal fish bypass has been devised by Tappel. The permitting for the project will take be completed within a week; all landowners/canal operators are on board with the solution – a semi-permeable berm will separate the bypass from the Wold Ditch operational spill channel. Waiting on definite funding.
 7. Holmes Bridge
 - i. The bridge is on site. An archeological survey has been conducted by Jon Shellenberger and required permits obtained from WDFW. Bids have been solicited from four contractors. Work can commence any time.
1. Brain Ranch fish passage barrier has been added to Fisheries Engineer's (Paul's) list of projects pending available funding.
 2. The connection of the Hundley pond to Nelson Creek has been added to Fisheries Engineer's (Paul's) list of projects pending available funding.

Management, Data and Habit – June 2011

Management

The Yakima/Klickitat Fisheries Project (YKFP), which covers the Yakima River Sub-basin and the Klickitat River Sub-basin, operates under an umbrella concept with the Washington Department of Fish and Wildlife (WDFW) as our co-managers. The YKFP which is operated under a coordinated arrangement is unique in most regards and all the operational tasks are achieved primarily under contracts with the Bonneville Power Administration (BPA). WDFW exercises their own contracts with BPA and we operate under an administrative format called the Policy Group where the YN serves as the Lead Agency primarily responsible for the day to day operations. The Policy Group meets at least monthly or as otherwise arranged.

The work elements (tasks) that are research and/or monitoring related are determined on an annual basis through various planning meetings including the Internal Project Annual Review. These various subject matters are included in the respective contracts that we have with BPA. Also, on an annual basis, a conference is held at Central Washington University where the past years activities are presented to the general attendees of the conference. In most regards, feedback is requested from the attendees who are included in the annual planning sessions. A majority of the research tasks are included under the Contract that the YN has with BPA under the title of, Monitoring and Evaluation. A major performance aspect of the YKFP is the operation of four production facilities where Spring Chinook, Coho, Fall Chinook and steelhead are reared. Some on-going research on supplementation remains presence in most regards.

Outmigration: A key element of insight on all species is the out migration out of the sub-basins by all the species. Their journey to the ocean is and remains a huge challenge on an annual basis. They historically experience a major challenge of predation on their journey to the ocean...this includes all the man-made barriers,

primarily the dams. Also, the predation includes various birds that are present throughout the sub-basins. We have gained various levels of knowledge through marking and counting various species that are captured and designated monitoring stations within the sub-basins. Also, there is a concerted on-going tracking and observations by Project personnel at various states within the sub-basins.

Cle Elum Broodstock: The Upper Bright Chinook broodstock for Cle Elum Hatchery is done at the trap at the Roza Dam. All the species, regardless of type, must pass through the capture trap located at Roza Dam. Here, the random capture of brood for Cle Elum takes place over the course of the return run. Those that are not retained for brood are then released back into the river, where they continue their journey up river to the spawning grounds. The target for brood capture is enough to maintain enough fish for acclimation of approximately 810,000 fish on annual basis. The acclimation is achieved at three acclimation sites in the upper basin. (Jack Creek, Clark Flat, and Easton)

Nelson Springs Research Facility: Believe it or not but the Nelson Springs replacement facility is on the immediate stage of being completed....can't believe it. The current target date for personnel moving in is by July 1, 2011 the building should be fully occupied by July with some delayed activities yet to be done, such as final demolition of the old house and habitat restoration of Buckskin Slough. We must admit the sight is super looking over the old sight. One will never believe it's the same place. I should have more on final acceptance at next month's report.

Conclusion: This concludes this month's summary report. In general, full operation of all contract obligations remains in full force. Pleased to announce that the YKFP is operating in full force with no major setbacks. All Project personnel are to be commended within both sub-basins.

Data

1. Worked with Cle Elum hatchery staff to input and finalize May month-end rearing (growth and survival) data for 2010 brood
2. Quality control and loading of final Cle Elum brood year 2009 (CWT) release data to the Regional Mark Processing Center (RMPC)
3. Continued tracking 2011 Prosser and Roza Dam spring Chinook counts and uploading data to YKFP & DART web sites; updated Bonn. PIT detection trend tracking data sets; used data to develop in-season run size projections; prepared updates for YKFP Policy Group
4. Updated Yakima R. spring Chinook harvest monitoring data base; prepared summary reports
5. reviewed and commented on D. Neeley annual reports; edits and updates to annual report for BPA M&E contract
6. prepared and delivered steelhead kelt reconditioning presentation for 2011 Yakima Basin project review/science conference
7. attended and presented supplementation talks at CRITFC sponsored "Future of our Salmon" conference
8. participated in ISRP tour of upper Yakima Basin projects
9. coordinated with staff regarding fall Chinook master planning meeting and Corps of Engineers tour of lower Yakima Basin acclimation site at I-182 bridge in Richland
10. monitoring of Yakima Basin juvenile outmigration with updates to web site
11. Maintenance and improvements to ykfp.org web site including 2011 PAR agenda, abstracts, and presentations.
12. Worked with Klickitat staff to further develop web site, databases (hatchery spawning and rearing) and GIS systems.

Management, Data and Habit - July 2011

Management

The Yakima/Klickitat Fisheries Project (YKFP) continues its' operation as a co-management initiative with the Washington Department of Fish and Wildlife. This process is supported by having a Memorandum of Understanding (MOU) with WDFW. This MOU addresses the operational format of the YKFP and assigns the YN as the Lead Agency. This basically assigns the YN the responsibility of the day to day operations of the YKFP. The WDFW does have contracts with the Bonneville Power Administration (BPA). In most regards, the BPA funds the YKFP operations through various contracts under the authorization of the Congressional Power Act.

This summary report will address the over-all concept of the YKFP which is funded primarily by BPA. The over-all operation is primarily species driven for the two sub-basins, Yakima River and Klickitat River. The fish species that are covered under these respective contracts are; Upper Bright Spring Chinook, Coho, Fall Chinook, Steelhead some work being done with Sockeye, which is currently funded by other resources.

Each specie's contract primarily operates under the coordinated process of a Lead Biologist with its' field support personnel. Through the coordinated effort of the technical personnel and other contributing personnel, master plans are produced for the sake of that specie. The over-all plan, in general, includes the current status of that specie which then drives the future plan for its' retention and in some cases, reintroduction into designated areas of the respective sub-basin. The plan incorporates the utilization of the production facilities, when required. Currently, the YKFP operates four production facilities; Cle Elum, Prosser, Marion Drain, and Klickitat. Consistent with the work elements contained within the respective contracts, all the operational aspects are coordinated with the objectives for that respective specie.

In order to assure positive results, all factors are considered which includes adequate support services, approved monitoring and the compilation of the results from the various stages of monitoring. The technical merits of monitoring are assessed by various assigned technical personnel throughout the course of operations. The results are compiled and recorded by the Data Manager. These results are available for review.

Vital to the successful operation of the various contracts is the assignment of a lead financial technician to maintain the actual operation format of the contract. We continue to strive to be current and in total compliance with each contract. This appears to be getting progressively more demanding as the funding agency is requiring and requesting additional information that previously wasn't necessary. Also, due to the magnitude of the number of contracts, we are changing some of them to two year performance periods. This will also assist the funding agency to be more productive in a timely basis. The work load in maintaining these contracts is massive. Because of this dilemma, we are currently seeking another Bookkeeper IV position.

This concludes the summary for this period. It addresses the general over-all operational format that, in most regards, has been successful. Until next time, we will continue to progress for the sake of the resource and the Yakama Nation.

Data

1. Worked with Cle Elum hatchery staff to input and finalize June month-end rearing (growth and survival) data for 2010 brood
2. Completed 2nd quarter 2011 water reports for Cle Elum water usage and submitted to state DOE
3. Updated 2011 Bonn., Prosser, and Roza Dam spring chinook counts and PIT detections to YKFP and DART web sites and local trend tracking data sets; used data to develop in-season run size projections; prepared updates for YKFP Policy and technical staff
4. Updated Yakima R. spring chinook harvest monitoring data base; prepared summary reports
5. Maintained, enhanced, backed up and performed quality control of steelhead kelt database; updated PIT data for 2011 steelhead kelt releases to PTAGIS
6. Quality control and submittal of mid-Columbia coho release data to regional mark (CWT) info. system
7. e-mails, meetings, and tour to discuss fall chinook and coho programs as well as facility needs and upgrades pursuant to Master Plan
8. e-mails, meetings, and tour to discuss additional John Day fall chinook mitigation and potential use of I-182 Corps of Engineers owned site in W. Richland for fall chinook acclimation
9. Reviewed and commented on D. Neeley annual reports; edits and updates to annual report for BPA M&E contract
10. Technical meeting to discuss opportunities for adaptive management to Cle Elum spring chinook program following up on Yakima Basin Project Annual Review and regional conference on size and age at maturity issues
11. Prepared and presented talk on supplementation issues to mid-Columbia Hatcheries Coordinating Committee
13. Maintenance and improvements to ykfp.org web site.
14. Worked with Klickitat staff to further develop web site, databases and GIS systems.

Habit

1. Lower Swauk Restoration: Conference calls to coordinate future activities. Sweated the CCR, which is required prior to contracting for final designs and bid documents.
2. Meeting with USGS regarding groundwater/surface water monitoring in upper Kittitas County.
3. Coordinated weed control done by WCC at the Holmes property.
4. Attended the YKFP Policy Group meeting.
5. Met with private landowner Ann Nourse on middle Taneum Creek to discuss flood damage. Coordinate WCC crew who did clean up at the site.
6. Met with private landowner Frank Raglund on lower Taneum regarding possible land purchase.

7. Met with private landowners Jeff Brunson and Morrie Sorenson regarding possible land purchase on lower Wilson Creek.
8. Met with WDOE and WDFW regarding exempt wells, hits on water quantity during non-irrigation season, and possible mitigation in Teanaway River. Go Indian Creek floodplain restoration!
9. Scheduling and work with WDFW on beaver acclimation at the Holmes property.
10. Conference calls and meetings on a variety of other issues, including the cumbersome process of amending a BPA contract, lower Reecer floodplain restoration, meeting with lamprey technician about monitoring location in Kittitas County.

Also:

1. Participate in Manastash Creek floodplain restoration post May flood event and numerous land owner impacts.
2. Monitor SRFB funding request for the Pott Rd restoration proposal.
3. Finalize comments and discussion with the City of Wapato on their proposed CAO.
4. Finalize comments and discussion with the City of Toppenish on their proposed CAO.
5. Monitor Yakima County's development of a Cumulative Impacts Analysis concerning floodplain gravel mining. This was the result of YN's appeal of Yakima County's SMP.
6. Review, comment and monitor proposed updated road standards for Kittitas County.
7. Review, comment and monitor proposed road improvements to the Teanaway and North Fork Teanaway Roads. Meeting to discuss the project on 08/02/11.
8. Application of tax exempt status for 5 parcels purchased for habitat protection. Draft Plan of Operations sent to YNLE, waiting on feedback.
9. Monitor Yakima County's proposal to "streamline" its entire development code.
10. Participation in a Kittitas County Citizen Advisory Committee to prepare a recommendation to the Board on the formation of a Flood Control Zone District.
11. Participation in Kittitas County's review and amendment of its Critical Areas Ordinance and Shoreline Master Program; this project will require a significant amount of time for the remainder of the year.
12. The YN's appeal of Yakima County's CAO has now been appealed to the Washington State Court of Appeals. A Superior Court decision reversed the decision of the Hearings Board that the County's stream buffers were inadequate.
13. Consultation on WSDOT's proposed reconstruction of HWY 410 through the Nile.
14. Monitor Kittitas County's code interpretation for administrative segregations.
15. Review and monitor HPA notices from WDFW within ceded lands.
16. Review and monitor SEPA notices within ceded lands.
17. Monitor annual Comp Plan amendments by Yakima and Kittitas Counties.
18. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
19. Active participation in Kittitas County's Flood Task Force.
20. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
21. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin. (on hold)
22. Various reviews of local government project and non-project notices.

Management, Data and Habitat – August 2011

Management

The Yakima/Klickitat Fisheries Project, a co-managed arrangement with the Washington Department of Fish and Wildlife (WDFW) continues to operate and achieve a multitude of fish related tasks, including some research related matters. This arrangement is primarily funded through various contracts implemented with the Bonneville Power Administration (BPA) as authorized under the Congressional passed Power Act. Likewise, WDFW also has contracts with BPA for like purposes.

Since our reliance centers primarily with contracts funded by BPA, we have basically set up an operational format that assures us of maintaining a level of compliance that requires a sufficient number of support personnel to achieve. The respective contracts cover a wide area of responsibility as it pertains to Operation and Maintenance, Monitoring and Evaluation, Construction, Management, Data Collection, Production and Administrative support. The ranges of activities are demanding and constant as it specifically pertains to full compliance. Coordination in all regards remains constant with all personnel involved. This is clearly a 'WE' operation in all aspects of fulfilling the respective contract obligations

In most, if not all regards, we have a dual procedural compliance process that we must comply with, Tribal and

BPA which can be very time consuming in some regards.

In conclusion, we are and have been maintaining, in most regards, for the entire YKFP with some follow up requirements surfacing. Our bookkeepers have been maintaining a level of assertiveness that is very commendable. They continue to stay on top of all operational matters with the Lead Biologists. When indifference arises, they are urged to resolve at their earliest convenience. The key personnel in the implementation process are scheduled to be involved to assist in reaching an acceptable resolution.

Also, in conclusion, is some acceptable resolution to the alleged easier status for contracting that we are suppose to experience with the implementation of the ACCORD. The additional requirements that are being asserted by BPA are currently compounding the contracting process.

This concludes his months summary as we continue to progress in the YKFP. Happy fishing.....

Data

1. Worked with Cle Elum hatchery staff to input and finalize July month-end rearing (growth and survival) data for 2010 brood.
2. Began finalizing 2011 spring chinook adult migration data including dam counts and Yakima River harvest. Produced preliminary escapement reports and emailed to members of YKFP policy and technical teams. Performed analysis to estimate potential upstream passage during high water period May 16-22 when ladders and PIT tag detectors at Prosser Dam were not operational.
3. Monitored return of PIT-tagged adult steelhead to Bonneville; updated Kelt tracking database
4. Finalized 2010 annual report to BPA for the YKFP monitoring and evaluation contract; posted to Pisces on 8/11.
5. Continued monitoring of Roza counts; backing up database and posting latest counts to ykfp.org and DART
6. Prepared database and tags to assist in 2011 Cle Elum spawning process
7. Initialized and tested 2011 Denil and Cle Elum spawner databases for use this fall
8. Participated in meetings and e-mails with U.S. army Corps of Engineers officials, YN, and CRITFC staff pursuant to fall chinook master planning efforts and tribal efforts to re-program some John Day mitigation production to release sites in the lower Yakima
9. Reviewed CRITFC letter to Congress and HSRG response (re benefits of supplementation and costs of mass marking); assisted in preparation of draft technical response letter for joint tribal staff review
10. Finalized YN data sharing strategy pursuant to regional "Coordinated Assessments" process
11. Worked with Michael Porter to enhance predation/juvenile survival databases
12. Attended and participated in public meeting to gather comments on the Klickitat Hatchery Draft Environmental Impact Statement
13. Began re-work of a manuscript documenting benefits of long-term kelt reconditioning relative to natural kelt migration.

Management, Data and Habit - September 2011

Management

The management segment of the Yakima/Klickitat Fisheries Project (YKFP) remains a viable function segment of the Management, Data, and Habitat contract with the Bonneville Power Administration. The YKFP operates within both sub-basins, Yakima River and Klickitat. The Management segment primarily incorporates the support element for both sub-basins which are charged with research and monitoring of various salmon species.

The YKFP is a co-managed Project with the Washington Department of Fish and Wildlife. It formerly operates under the direction of the Policy Group which has representation from WDFW and YN. A Memorandum of Understanding is in place with both parties which also delegates the YN as the Lead Agency.

The administration support for all the contracts we have with BPA is primarily administrated through the Management segment of the contracts. The immediate oversight is provided by the Program Coordinator which primarily includes bookkeepers assigned to a respective contract. Since the initial stages of the YKFP, as growth and adjustment were essential, the YKFP made the appropriate administrative modifications to remain in compliance.

This seasonal time of the year remains very busy for field crews doing various surveys, including spawning surveys. It also is the time of the year for spawning of the Spring Chinook, both at the Cle Elum complex and the Klickitat River production facility. A majority of the spawning crews are very adept in meeting all the required spawning procedures. In some regards, where various levels of research is involved, immediate over sight is very

critical. In most regards, the over-all process is very demanding and we remain fortunate that our project personnel are trained and experienced. The adjustment in their pay scale has made a positive contribution to the retention and production aspect with the whole Project. We anticipate comparable positive results once the same consideration is applied to the other personnel.

In closing, we need to share one negative factor we have been experiencing. We have been operating in very limited space accommodations for the administrative support personnel. Over a course of time, it has become evident that this creates operational problems that are very difficult to adjust to. We understand that Fisheries Resource Management is making some additional modifications. The YKFP does have one pleasing contribution with the completed installation of a new modular unit at Nelson Springs which took place within the past thirty days. We have been pursuing this for the past several years and believe it or not, we finally have one installed and is currently occupied.

We are continuing to progress and fulfill our objectives.....Happy fishing until next month.....

Data

1. Worked with Cle Elum hatchery staff to input and finalize August month-end rearing (growth and survival) data for 2010 brood.
2. Continued updates to annual spring chinook trend analysis table including addition of 2011 adult migration data (dam counts, harvest, etc.).
3. Assisted in 2011 Cle Elum Hatchery spawning process; conducted review and quality control of data; prepared weekly reports summarizing spawning activities for the season to date from the data collected for distribution to YKFP technical and policy representatives.
4. Updated the 2011 Denil databases to assure proper DNA sampling and PIT detection data collection; integrated 2011 denil counts into Prosser video count database
5. Updated Prosser (fall chinook, coho, steelhead) and Roza (final spring chin.) dam counts to ykfp.org and DART web sites
6. Monitored PIT detections from prior steelhead kelt releases at Bonneville Dam; updated trend tracking files; reviewed prior publication attempts; worked with YN and CRITFC staff to develop strategy for future publications of kelt research
7. Participated in CBFWA/regional data sharing / coordinated assessments document review
8. Worked with YN and Subbasin Planning Board staff to develop work plan for addressing status
9. Worked to upload 2011 PAR presentations to ykfp.org web site
10. Responded to data requests from public, American Rivers, and BPA

Habit

- Lower Swauk Restoration: discussion with rep for landowner on bridge design and funding.
- Hosted field trips with AFS, SRFB, to discuss the role of large woody material in stream recovery, Hundley Conservation Easement and Hanson Ponds Side Channel.
- Another meeting with USFS on Road 1900.
- Discussions with private landowner Sherman Johnson on possible land purchase on Lower Naches River. Numerous phone calls, emails, and reporting to BPA following meeting.
- Attended Bull Trout Conference.
- Attended YRBWEP Land Acquisitions strategy meeting.
- Meeting to discuss ceded area habitat protection with other YN Natural Resources staff.
- Assisted with fish salvage on middle Swauk Creek.
- Coordinated forest thinning, large wood acquisition on private parcel in Williams Creek.
- Attended WCC end of year debrief.
- Implemented fish passage restoration at lower end of Dixon side channel.

Also:

1. Participate in Manastash Creek floodplain restoration post May flood event and numerous land owner impacts.
2. Monitor SRFB funding request for the Pott Rd restoration proposal.
3. Monitor Yakima County's development of a Cumulative Impacts Analysis concerning floodplain gravel mining. This was the result of YN's appeal of Yakima County's SMP.
4. Review, comment and monitor proposed updated road standards for Kittitas County.
5. Review, comment and monitor proposed road improvements to the Teanaway and North Fork Teanaway Roads. Meeting to discuss the project [was held on 08/02/11](#).

6. Application of tax exempt status for 5 parcels purchased for habitat protection. Draft Plan of Operations sent to YNLE, waiting on feedback.
7. Monitor Yakima County's proposal to "streamline" its entire development code.
8. Participation in a Kittitas County Citizen Advisory Committee to prepare a recommendation to the Board on the formation of a Flood Control Zone District.
9. Participation in Kittitas County's review and amendment of its Critical Areas Ordinance and Shoreline Master Program; this project will require a significant amount of time for the remainder of the year.
10. The YN's appeal of Yakima County's CAO has now been appealed to the Washington State Court of Appeals. A Superior Court decision reversed the decision of the Hearings Board that the County's stream buffers were inadequate.
11. Consultation on WSDOT's proposed reconstruction of HWY 410 through the Nile.
12. Monitor Kittitas County's code interpretation for administrative segregations.
13. Review and monitor HPA notices from WDFW within ceded lands.
14. Review and monitor SEPA notices within ceded lands.
15. Monitor annual Comp Plan amendments by Yakima and Kittitas Counties.
16. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
17. Active participation in Kittitas County's Flood Task Force.
18. Monitor relocation of Road 1900 along the Little Naches River. (on hold)
19. Monitor Kittitas County's development of a subarea plan for the Teanaway Basin. (on hold)
20. Various reviews of local government project and non-project notices.

Regarding tribe passage:

- **Middle Swauk Floodplain Restoration**
The McNary Mitigation/WASCO Fund should be received imminently by the Yakama Nation (a verbal commitment was made via tele-conference (6-1-11) The project was advertised on June 23rd and awarded to Jansen, Inc. Work is now underway.
- **Reecer Creek Fish Passage**
Chinook Engineering, Jay Kidder, has done no work on this project recently. The project will not be constructed this fall.
- **Harris Fish Passage**
Chinook Engineering, Jay Kidder, has submitted new drawings of five rock weirs to accomplish fish passage over the Lewis diversion dam. The project will be constructed this fall if permitting can be completed in time.
- **Little Creek Fish Screen and Passage**
This project has been postponed indefinitely.
- **Scott Ditch Screen**
Paul Tappel, Fisheries Engineers, Inc., has done site survey work and requested a title search to determine property lines relative to the proposed screen site. Landowner concern about the project have delayed work until at least Oct. of 2012.
- **Wold Ditch/Cascade Fish Bypass Comingle**
Plans were completed by Fisheries Engineers, Inc.; however, the project cannot be constructed until the required funding is in place.
- **Brain Ranch Ford Fish Passage**
Fisheries Engineers, Inc. surveyed the site prior to putting together construction plans for a roughened channel fish passage facility; however, Brain's contention that the Yakama Nation is responsible for the flood may preclude work on this project.