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MANAGEMENT, DATA &  
HABITAT PROJECT

FY 2010 ANNUAL REPORT  
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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 2009

This summary report addresses the Management portion of the Yakima/Klickitat Fisheries Project. The YKFP is a co-management structure with the Washington Department of Fish and Wildlife. We have formulated, via an MOU established a Policy Group which has the immediate oversight responsibility for the overall operation of the YKFP. Each entity has a Policy Group representative which meets on a monthly basis, or when necessary.

The Yakama Nation serves as the Lead Agency and remains responsible for the day to day activities as well as chairing the Policy Group Meeting.

The Yakama Nation has entered into a ten year agreement (ACCORD) with the Bonneville Power Administration of which primarily funds most of the YKFP functions through contracts for Monitoring and Evaluation; Operation and Maintenance; Management, Data, and Habitat; and Design and Construction. Comparable contracts are also in place for the Klickitat sub-basin. In summary, all of the field activities are taken place, which includes the spawner ground surveys. So are, the field activities have not reported any problems or complications. Field data is critical to annual operations as well as research. This week will probably be the final week for spawning at Cle Elum. The marking and tagging requirements have started, which is critical for monitoring and research.

The upgrading activities for the Prosser and Marion Drain facilities are on-going, which is striving to meet the time constraints that they are faced with. It represents the installation of a new chiller and the transfer of the Prosser chiller to the Marion Drain site. Included will be some additional raceways as well as some additional egg and spawning installations.

All of our core personnel have gained much needed experience and have shown progress in their abilities to perform all of the critical functions in the world of Fisheries. The administrative support staff continues to meet the expanding demands. It became necessary to hire an additional bookkeeper to assist with the expanding work load.

We haven't experienced any real serious problems that weren't addressed and we remain very optimistic for the future challenges, whatever they may be. This concludes our summary for this month

### Data

1. Worked with Cle Elum hatchery staff to input and finalize Sept. month-end rearing (growth and survival) data for 2008 brood.
2. Produced quarterly (Jul-Sep 2009) water usage reports for Cle Elum facility and submitted to WA state dept. of ecology.
3. Assisted in 2009 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 Prosser (fall chinook, coho, steelhead) and Roza (final spring chin.) dam counts to ykfp.org and DART web sites
5. Continued updates to annual spring chinook trend analysis table including: interpolating Prosser dam passage data for gaps during high water/video outage periods, finalizing 2009 Prosser adult migration and Yakima R. harvest data, and entry of 2009 redd/spawner survey data.
6. Maintenance and trouble-shooting of the 2009 Denil database and integration with Prosser video count database
7. Monitored PIT detections from prior steelhead kelt releases at Bonneville Dam; updated trend tracking files
8. Prepared for release of long-term reconditioned kelts from the 2009 program.
9. Prepared for, assisted with planning, and attended regional RM&E workshop
10. Coordinated meeting with appropriate YN, WDFW, USBOR, and Grant PUD staff to set up MIPT team for fall chinook to resolve technical issues relating to completion of Master Plan and HGMP.
11. Reviewed A. Dittman et al paper on Homing and Spatial Distribution of fish from CESRF acclimation sites for AFS
12. Finalize re-write of long-term kelt "Management Brief" and submit to AFS N. American Journal of Fisheries Mgmt

13. Continued working with U.S. v OR TAC on analysis of 2009 jack return data for 2010 sp ch forecast
14. Assisted staff in responding to ISRP comments re kelt reconditioning program in the mid/upper Columbia
15. PH worked with Klickitat staff to further develop databases and GIS systems.

### **Habitat**

1. Land Acquisitions – Still waiting for YN Land Enterprise to act on these proposals. Met with Sandra Fife, the new BPA COTR for this project. Met with Carroll Palmer.  
Taneum Creek restoration phase one – began restoration actions on USFS land. Got approval and permits for tree haul at the Yahne Bridge. Two weeks of Washington Conservation Corps labor.
2. Taneum Creek restoration phase two – waiting for final designs as of 10/27. Looked for source wood for this phase. Discussed bridge removal/relocation possibilities with WDFW engineering, in meeting and onsite.
3. Yakima Basin Storage Study – attended one meeting per directive of Phil Rigdon.
4. Maintenance on Holmes barn.
5. Held kickoff meeting for restoration designs in lower Swauk Creek.
6. Selected contractor for design of Road 1900.
7. Attended climate change/watershed restoration symposium.

### **Tributary Passage and Screening:**

#### **Taneum Creek**

Bruton Diversion – work has commenced. The dam was removed on about 10/22. Improved fish passage is finally being constructed.

#### **Swauk Creek**

Design of permanent screens will be done by Chinook Engineering now on contract with YN.

### **Land Use Planning:**

1. Discussions with Yakima County over Growth Management Act compliance.
2. Input on various development proposals, including development projects in Teanaway.

## **Management, Data & Habitat – November 2009**

The Yakima/Klickitat Fisheries Project (YKFP) continues to operate as an all stock initiative under a co-management system with the Washington Department of Fish and Wildlife. The Yakama Nation is the Lead Agency and is responsible for the day to day operations which functions under the directive format of the Policy Group. Meetings are held at least once a month with the Policy Group where operational strategies and status updates for the YKFP are discussed. Also, in most regards, our Bonneville Power Administration (BPA), COTR representative is present which is helpful in full coordination with our contracts, of which they are the majority funding agency. Our most recent Policy Group meeting was held on November 10, 2009 at the M&E facility at the Cle Elum Hatchery. A number of critical issues were addressed and the participants had the opportunity to witness the actual marking/tagging the spring chinook PAR.

**Marking and Tagging:** An approximate crew of twenty is in the midst of marking and tagging some 834,000 spring chinook at the Cle Elum facility utilizing two specially equipped trailers. They are usually finished around mid-December. These fish will then be transported to the three acclimation sites around February of 2010. The three acclimation sites are Easton, Clark Flat and Jack Creek. The raceways are then prepared for the ponding of the newly marked fish and cycle continues.

The field season remains in full swing with spawner ground surveys being completed in various tributaries. This data contributes to the effectiveness of the gravel to gravel concept of salmon restoration.

The administrative support requirements in properly administrating all of the contracts are an expanding and

demanding challenge. Our main contracts are with BPA consistent with meeting the requirements of the Salmon Recovery Plan under the Power Act. The ACCORD agreement includes the YKFP ongoing Projects which, the covers them for a ten year period. In most regards, this represents a positive operational format with this given time frame. We did and have experienced some implementation problems and have now shifted our contract periods to two years. We are in hopes this will give us some time relief in operations.

Our Monitoring and Evaluation contract is the largest with the expanded work elements contained in it. On an annual basis, we have an Internal Project Annual Review (IPAR) at which a review is done including the development of new potential work elements (Experiments). The IPAR includes the participation of the State and Tribe.

Recently, a new chiller was installed at the Prosser Hatchery to meet the expanded demands for the production activities there. The replaced chiller was transported and installed at the Marion Drain production facility. I will fulfill the requirements for that facility, including the fall chinook. The water delivery system was also installed/modified to meet the required needs at both facilities. The personnel involved in completing these installations need to be commended for the aggressive involvement in assuring everything was done properly in a timely manner.

Coho: So far, we have had over 9,000 coho cross the Prosser dam of which over 1,000 have crossed the Roza facility. We have coho in various tributaries in the upper Yakima and Naches rivers spawning. All of our existing personnel are doing an exceptional job in meeting the respective demands to cause all of this progress to be realized.

Administratively, we are still seeking a qualified Bookkeepers IV. When this person is hired, it will represent the opportunity to better meeting the expanding contractual requirements and demands. Thus, we will continue to search and advertise.

In conclusion, we feel that our support service corps has been doing a very commendable job with positive results. We look forward to continuing this and feel that it contributes to positive results for the resource and the Yakama Nation.

### **Data**

1. Worked with Cle Elum hatchery staff to input and finalize Oct. month-end rearing (growth and survival) data for 2008 brood.
2. Updated Prosser and Roza (fall chinook, coho, steelhead) dam counts to ykfp.org and DART web sites
3. Continued updates to annual spring chinook run reconstruction analysis spreadsheet
4. Prepared 2010 Yakima Basin spring chinook run forecast
5. Maintenance of the 2009 Denil database and integration with Prosser video count database
6. Updated radio telemetry tracking database for 2009 radio-tagged coho and steelhead kelts
7. Assisted with release of long-term reconditioned kelts from the 2009 program.
8. Assisted staff in responding to ISRP comments re kelt reconditioning program in the mid/upper Columbia
9. Attended meeting with YN and WDFW staff to work on resolving technical issues relating to completion of Master Plan and HGMP for fall chinook; distributed notes from meeting; researched John Day mitigation history
10. Prepared for, assisted with planning, and attended regional RM&E workshop
11. Updated Columbia mainstem C&S harvest monitoring database to track any bull trout observations
12. Provided quality control and corrections to CWT data for Klickitat in regional RMIS database
13. PH worked with Klickitat staff to further develop databases and GIS systems.

### **Habitat**

1. Land Acquisitions – Still waiting for YN Land Enterprise to act on the Granger and Merten proposals. No action, no return of phone messages or emails. BPA is slowly moving forward with the SunTides and Floyd acquisitions (which they will take title to, assuming the sales go through) review of the Reecer Creek properties, and contracting for appraisal of River Farm property.
2. Taneum Creek restoration phase one – continued restoration actions on USFS land. Completed large wood placement below the Yahne Bridge. Two weeks of Washington Conservation Corps labor.
3. Taneum Creek restoration phase two – rec'd and are reviewing for final designs.
4. Yakima Basin Storage Study – attended one meeting per directive of Phil Rigdon.

5. Met with contractor for design of Road 1900.

Tributary Passage and Screening:

**Taneum Creek – Bruton Diversion**

330' rough channel is complete and the "infiltration gallery" is operational to deliver stock water; Bruton dam and fish ladder have been removed – all went well and on schedule. The ceremony held Nov. 12<sup>th</sup> on-site was a success and was attended by Ralph Sampson, Paul Ward among other YN employees. Site restoration (planting) will begin immediately and continue until inclement weather ceases operations.

**Swauk Creek**

Design of permanent screens and passage by Chinook Engineering is in progress; DOE grant funding is ready to be awarded to the YN to implement the riparian management plan developed by Herrera.

Engineering:

Chinook Engineering is on contract to develop projects on Swauk Creek, Reecer Creek, S. Naches Channel (Lewis Diversion) and Rattlesnake Creek. The products will be plans adequate for permitting and funding requests.

Regarding Land Use development/regulatory response:

1. Review and comment on Yakima County's amendments to the Open Space Ordinance
2. Review and monitor WDFW's HPA compliance case on Currier Creek.
3. Review and comment on The City of Ellensburg's draft clearing and grading ordinance
4. Review and comment on The City of Ellensburg's comprehensive plan amendments
5. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
6. Review and monitor Kittitas County's comprehensive plan amendments
7. Manage and monitor the acquisition of LIDAR data
8. Preparation of the Eastern Washington Growth Management Hearings Board legal brief regarding the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
9. Various reviews of local government project and non-project notices.

## **Management, Data & Habitat December – 2009**

The Yakima/Klickitat Fisheries Project (YKFP) is an all stock initiative with our co-managers, Washington State Department of Fish and Wildlife. All of the Projects and Research is executed by the YKFP Policy Group, consisting of representation from the State and Yakama Nation (YN). The YN serves as the Lead Agency which is responsible for the day to day functions of the YKFP. This arrangement is formulated in an Memorandum of Understanding with the WDFW.

This past month has been a very busy one with all the field and annual review activities taking place. As you will note in the associated summary reports, some key activities included the completion of tagging at the Cle Elum Research Facility the week prior to Christmas. This is an annual major undertaking involving a large crew whose oversight is handled by Biologist Mark Johnston. This tagging represents a vital aspect of the research being done on Upper Bright Spring Chinook. Starting in January, these fish will be transported to one of the three acclimation sites, Easton, Clark Flat, and Jack Creek. They will be volitional released which will be completed by mid May. They will remain under twenty four hour surveillance during their tenor at the acclimation sites.

The Research Manager in coordination with WDFW, conducted the Internal Project Annual Review (IPAR). This process represents the ability for the Project to assess the past years accomplishments and review of all Project aspects which allows us to make changes or set the stage for the upcoming Project tasks. In merit, it is very technical in nature as it addresses all of the research criteria including the spawning and rearing factors. Ultimately, the accumulation of data and results are subject matters that are formerly presented at the annual Yakima Basin Science and Management Conference which is held at Central Washington University.\*

\*Production at the four facilities has proceeded without any major problems. Klickitat did experience some electrical complications with their backup generator which is being addressed. The installation of the new chiller at



Prosser has been completed and the transfer and installation of the chiller from Prosser to Marion Drain has been completed. They are proceeding to install some raceways at Marion Drain. There is also some preliminary work being done for completing the steelhead spawning channel at Prosser. This will provide some vital information for that specie. Administration, we are still seeking to fill the additional Bookkeeper IV position with a qualified person. This is being coordinated through the Program Coordinator (PC). There is also some work being completed on the MDH contract for the habitat aspect of the contract. The PC is working with Habitat Biologist Scott Nicolai in completing that statement of work and cost factor. Scott continues to seek and coordinate the ability to purchase key habitat parcels within the Yakima River Sub-basin. These remain critical for salmon restoration.

Over all, the YKFP continues to resolve and seek positive attributes for the sake of salmon restoration and enhancement within the two sub-basins. This concludes the summary for this month.

### **Data**

1. Worked with Cle Elum hatchery staff to input and finalize Nov. month-end rearing (growth and survival) data for 2008 brood.
2. Entered tag/mark data for 2008 brood spring chinook; prepared Quality Control database; assisted with QC data entry.
3. Entered egg/shock data and developed ponding assignments for 2009 brood spring chinook.
4. Updated Prosser (fall chinook, coho, steelhead) dam counts to ykfp.org and DART web sites - Maintenance of 2009 Denil database and integration with Prosser video count database; load PIT tag recapture data to PTAGIS
5. Reviewed spring chinook M&E plan; participated in internal project review sessions for all Yakima Basin programs; prepared and distributed notes from these sessions
6. Fall Chinook Master Plan - reviewed WDFW monitoring and evaluation strategies and coordinated internal meeting to work on these and HGMP issues
7. Updated spring chinook HGMP
8. Developed presentation summarizing Yakima Basin programs for delivery to Cowlitz technical group in January 2010
9. Worked with others to begin developing "fast track" proposal for additional Yakima Basin steelhead 10. PH worked with Klickitat staff to further develop databases and GIS systems.

### **Habitat**

1. Land Acquisitions – Continue to wait for YN Land Enterprise to act on the Granger and Merten proposals. BPA has made limited progress moving forward with the Floyd acquisition. Personnel in BPA's office have been unresponsive when asked for updates on the remaining acquisitions. I am doubtful that we will be successful in getting all ten acquisitions completed because of landowner needs.
2. Taneum Creek restoration – completed restoration on USFS land. Additional wood placement in Section 2. One week of Washington Conservation Corps labor.
3. Taneum Creek restoration phase two – had review team meeting to develop comments on draft final designs.
4. Little Naches Road 1900 provided comments to SRT engineering, who is under contract to do a preliminary design.

### **Tributary Passage and Screening:**

#### **Taneum Creek – Taneum Ditch Diversion**

Worked on grant applications.

**S. Naches Channel:** Design in progress by Chinook Engineering

**Swauk Creek** Design of permanent screens and passage by Chinook Engineering is in progress; DOE grant funding is ready to be awarded to the YN to implement the riparian management plan developed by Herrera.

**Engineering:** Looking at less expensive options for the Rattlesnake Creek side channel.

#### **Regarding Land Use development/regulatory response:**

1. Provided comments on a proposal to construct a series of individual docks in Douglas County.
2. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
3. Review and monitor Kittitas County's comprehensive plan amendments
4. Manage and monitor the acquisition of LIDAR data
5. Various reviews of local government project and non-project notices.

## Management, Data & Habitat - January 2010

The Yakima: Klickitat Fisheries Project (YKFP) operates as an all stock initiative with our co-managers, Washington State Department of Fish and Wildlife (WDFW).

We continue to operate under the direction of the YKFP Policy Group which consists of a Yakama Nation (YN) Tribal Representative and a WDFW representative. The YN serves as the Lead Agency which is responsible for the day to day operations. In most regards, we've been operating with a relatively consistent level of compatibility.

**Production:** The upgrading activities that have been taking place for the Marion Drain and Prosser production facilities has been progressing despite the uncooperative weather that we've been experiencing. The upgrading work at the Prosser was major which included the complete installation of a new chiller and the supporting water and electrical requirements. The work crews are to be commended for meeting the demanding time schedule. This also included the installation of the old Prosser chiller which was transported to the Marion Drain site and installed. These upgrades will be supportive and beneficial to production at both facilities. The Cle Elum personnel were busy transporting fish to the acclimation sites this past month. They filled the six raceways at the Easton Acclimation site and did the same for the Clark Flat facility. All six raceways at each site have been loaded. The acclimation sites remain under twenty four hour surveillance throughout the course of time they contain fish. Each site is equipped with living quarters for the Culturist that is on duty. They have communication capabilities with the main center in Cle Elum. The Jack Creek Acclimation site isn't loaded until approximately the second or third week in February due the weather conditions there. Snow is usually too deep to activate the site any sooner.

The Prosser Production Facility will soon be losing one of its Fish Culturists who has been with the program around eight years. Arlene Heemsah has submitted her resignation and is planning on moving out of the immediate area. The YKFP wishes her well in her future endeavors but will sorely miss her. Good Luck Arlene.....

**Administration:** We're still going through the lengthy process of finalizing the plans and requirements for the replacement Monitoring and Evaluation facility at Nelson Springs. We are still hoping that all requirements will be met or exceeded by this Spring. We are coordinating these efforts with the funding agency, the Bonneville Power Administration.

We are still seeking a qualified bookkeeper IV for our program. It's been formerly advertised with the anticipation that qualified personnel will apply.

Currently, all the contracts are on pace for two year approvals. We anticipate that these two year approvals will allow us to gain some administrative time in the future. Properly meeting the requirements in all of our contracts is a very demanding schedule which requires adequate qualified personnel. Over all, the project personnel have been meeting or exceeding their work assignment which fulfills the contract requirements. This completes summary report for this month.....Thank You

### Data

1. Worked with Cle Elum hatchery staff to input and finalize December month-end rearing (growth and survival) data for 2008 brood.
2. Completed 4th quarter water reports for Cle Elum water usage and submitted to state DOE
3. Prepared summary of BY08 Cle Elum mark quality control database; distributed to MIPT
4. Updated draft of coho Hatchery Genetic Management Plan (HGMPs)
5. Worked with staff to further develop Yakima Basin fall chinook master plan (M&E section)
6. Presented summary of Yakima Basin salmon restoration projects to Cowlitz Fisheries Technical Committee
7. Worked with staff to further develop Yakima Basin fast track steelhead VSP proposal
8. Participated in follow-up workshop to review regional M&E tables. Reviewed and updated 2009 Roza and Prosser kelt data; ensured PIT tag/recapture data were accurately submitted to PTAGIS; distributed data summaries to interested parties
9. Started preparation of presentation on integrating PIT readers into MS Access applications for OR AFS

workshop.

10. Updates of Prosser counts to web site.

11. Prepared databases for CESRF BY2009 rearing and BY2010 Roza sampling; updated and tested BY2010 Roza database.

12. Started work on finalizing 2009 video and Prosser/Roza trap counts and posting these final count data to ykfp and DART web sites.

13. Maintenance and improvements to ykfp.org web site.

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

### **Habitat**

1. Land Acquisitions – Continue to wait for YN Land Enterprise to act on the Granger and Merten proposals. BPA has not demonstrated any progress on any acquisitions in the last month. Peter Lofy responded via email to a December 10<sup>th</sup> request for a appraisal review update on January 21<sup>st</sup>.

2. Taneum Creek restoration – beginning permitting for the phase 2 restoration. Required permits and review processes include: a Forest Practices Application; Hydraulics Project Approval; Shoreline Substantial Development Review; County Flood Permit; Section 404 permit; Section 401 authorization; and a SEPA checklist. Held on site meeting with wildlife area manager to discuss plans. Gave presentation at the monthly YTAHP meeting.

3. Little Naches Road 1900 – had meeting with consulting engineer and US Forest Service personnel on preliminary design options and cost estimates.

4. Lower Reecer Wood Removal – this was a proposal from a landowner to remove wood from the stream in an area of high density coho spawning. I and John attended a meeting with the city and representatives from WDFW to talk about landowner concerns and options. Walked the site with state personnel. I have contacted the landowner for an onsite discussion.

5. Suncadia horse park review – I was asked by the Kittitas Conservation Trust to review plans for the development of a state horse park facility adjacent to the Suncadia resort, on land that abuts the geomorphic floodplain of the Cle Elum River. Had one conference call.

6. Meeting with YN environmental coordinator to discuss possible improvements on notice and coordination of YN comments on proposals in the ceded lands.

### **Tributary Passage and Screening:**

#### **Taneum Creek – Taneum Diversion**

1. Paul Tappel, Fisheries Consultants, Inc., the same engineer that designed the fix at Bruton, is designing a passage solution (rough channel) at the Taneum Diversion. On Jan. 13<sup>th</sup> I met with KRD, USBR, KCT and Mr. Tappel to discuss the project. It appears that Fisheries Consultants will also be asked to design the re-building of the front end of the canal, including automated gates, measuring device and retro-fit of the existing fish bypass. The project may also entail lining portions of the canal in order to help in-stream flow by diverting less water. The passage project will be separated from other components so that it can be constructed in 2010.

2. **Swauk Creek** Design of permanent screens and passage by Chinook Engineering is in progress; DOE grant funding awarded to the YN to implement the riparian management plan is imminent (as per conversation with Mark Peterschmidt 1-19-10).

3. **Engineering:** Chinook Engineering is on contract to develop projects on Swauk Creek, Reecer Creek, S. Naches Channel (Lewis Diversion) and Rattlesnake Creek. The products will be plans adequate for permitting and funding requests. The contract with Chinook has been extended until April 30<sup>th</sup>, I believe.

#### **Other projects:**

4. The engineering necessary for several Little Creek screens / passage is under consideration in 2010 under a new contract.

5. The engineering necessary on Coleman Creek (Olmstead Park/WDFW) is under consideration in 2010 as well.

### **Regarding Land Use development/regulatory response:**

1. Facilitate coordination of the Natural Resources Department participation in activities/developments on ceded lands.

2. Review and monitor WDFW's HPA on Reecer Creek.

3. Review and comment on The City of Ellensburg's proposed amendments to its Critical Areas Ordinance
4. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
5. Review and monitor Kittitas County's development of a Critical Areas Ordinance review.
6. Review and monitor Kittitas County's development of a floodplain advisory committee.
7. Manage and monitor the acquisition of LIDAR data
8. Preparation of the Eastern Washington Growth Management Hearings Board legal brief regarding the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
9. Various reviews of local government project and non-project notices.

## Management, Data & Habitat - February 2010

The Yakima: Klickitat Fisheries Project (YKFP) operates as an all stock initiative with our co-managers, Washington State Department of Fish and Wildlife (WDFW).

We continue to operate under the direction of the YKFP Policy Group which consists of a Yakama Nation (YN) Tribal Representative and a WDFW representative. The YN serves as the Lead Agency which is responsible for the day to day operations. In most regards, we've been operating with a relatively consistent level of compatibility.

**Production:** The upgrading activities that have been taking place for the Marion Drain and Prosser production facilities have been progressing. The new chiller was installed at Prosser and then included the installation of the old Prosser chiller which was transported to the Marion Drain site and installed. These upgrades will be supportive and beneficial to production at both facilities.

The Cle Elum personnel were busy transporting fish to the acclimation sites this past month. The final acclimation site at Jack Creek in the Teanaway was loaded with juveniles in February. There is little to no snow at any of the sites, which does not bode well for spring runoff flows. The acclimation sites remain under twenty four hour surveillance throughout the course of time they contain fish. Each site is equipped with living quarters for the Culturist that is on duty. They have communication capabilities with the main center in Cle Elum.

**Administration:** We're still going through the lengthy process of finalizing the plans and requirements for the replacement Monitoring and Evaluation facility at Nelson Springs. We are expecting that all requirements will be met or exceeded by this spring. The bidding process included a Feb 18 walk through by potential bidders for the construction. We are coordinating these efforts with the funding agency, the Bonneville Power Administration.

The monthly Policy Group meeting was held on February 11<sup>th</sup>. It was an interesting meeting with discussions of Nelson building information, meeting schedule for summer Science and Management conference, and Sharp's Klickitat Science Conference. This completes summary report for this month.....Thank You

### Data

1. Worked with Cle Elum hatchery staff to input and finalize January month-end rearing (growth and survival) data for 2008 brood.
2. Installed new database for 2010 adult sampling at Roza
3. Prepared 2010 spring chinook brood need and collection schedule
4. Corrected data error in BY08 Cle Elum mark quality control database
5. Entered age data for 2009 Roza sampling; distributed to interested MIPT members
6. Began work on fiscal year 2009 BPA M&E project annual report
7. Drafted prototype of harvest section for 1997 spring chinook M&E plan re-write; distributed to STAC and MIPT for review
8. Updates of 2010 Prosser counts to web site
9. Worked with staff to develop fall chinook stock transition proposal for presentation to the Priest Rapids Coordinating Committee
10. Updated draft fall chinook HGMP and submitted to R. Turner at NOAA
11. Prepared and submitted proposed Yakima Basin release data for 2010 to R. Turner at NOAA
12. Attended tribal salmon re-introduction workshop
13. Prepared presentation on application interface with PIT readers for OR AFS PIT workshop - Feb. 23 in Eugene
14. Participated in conference call and review of Status and Trends position statement of work

15. Reviewed queries and prepared databases for 2010 juvenile migration
16. Maintenance and improvements to ykfp.org web site.
17. Worked with Klickitat staff to further develop web site, databases (hatchery spawning and rearing) and GIS systems.

### **Habitat**

1. Land Acquisitions – Working with Land Enterprise on the Granger and Merten proposals. An “exception” in the legal description of the Merten property will take some time to work through.
2. Taneum Creek restoration – Site reviews with John Marvin to complete restoration designs. Two meetings with heavy equipment contractor to discuss approach to this project. Completed the Forest Practices Application.
3. Little Naches Road 1900 – provided comments on final design options and cost estimate.
4. Lower Reecer Wood Removal – met with landowner and his business manager onsite; instructed the Washington Conservation Corps on strategic wood removal that avoids habitat damage while addressing landowner concerns. Met with city planner as a follow-up, to discuss what was done.
5. Gave presentation at the YN ceded lands protection coordination meeting.
6. Provided comments to Entrix on the draft designs, and scope of work for lower Swauk Creek Restoration Design.

## **Management, Data & Habitat - March 2010**

The Yakima: Klickitat Fisheries Project (YKFP) operates as an all stock initiative with our co-managers, Washington State Department of Fish and Wildlife (WDFW).

We continue to operate under the direction of the YKFP Policy Group which consists of a Yakama Nation (YN) Tribal Representative and a WDFW representative. The YN serves as the Lead Agency which is responsible for the day to day operations. In most regards, we've been operating with a relatively consistent level of compatibility. Production: The upgrading activities that have been taking place for the Marion Drain and Prosser production facilities have been progressing. The new chiller was installed at Prosser and then included the installation of the old Prosser chiller which was transported to the Marion Drain site and installed. These upgrades will be supportive and beneficial to production at both facilities. The Cle Elum personnel were busy transporting fish to the acclimation sites this past month. The final acclimation site at Jack Creek in the Teanaway was loaded with juveniles in February. There is little to no snow at any of the sites, which does not bode well for spring runoff flows. The acclimation sites remain under twenty four hour surveillance throughout the course of time they contain fish. Each site is equipped with living quarters for the Culturist that is on duty. They have communication capabilities with the main center in Cle Elum.

Administration: Melvin has been on medical leave since early March, and underwent heart surgery on March 8<sup>th</sup>. Dr. Dave Fast is currently acting representative for the YKFP in Melvin's absence.

We're still going through the lengthy process of finalizing the plans and requirements for the replacement Monitoring and Evaluation facility at Nelson Springs. We are expecting that all requirements will be met or exceeded by this spring. We continue to meet with the design engineers and BPA to finalize plan and additions such as heat pump, solar panels, etc. Costs have exceeded original budgets with these 'green' additions and we work to determine how to proceed. We are coordinating these efforts with the funding agency, the Bonneville Power Administration.

Currently, all the contracts are on pace for two year approvals. We anticipate that these two year approvals will allow us to gain some administrative time in the future. Properly meeting the requirements in all of our contracts is a very demanding schedule which requires adequate qualified personnel. Over all, the project personnel have been meeting or exceeding their work assignment which fulfills the contract requirements. This completes summary report for this month.....Thank You

### **Data**

1. Worked with Cle Elum hatchery staff to input and finalize February month-end rearing (growth and survival) data for 2008 brood; ponding assignments and fry enumeration and ponding database reports for 2009

brood.

2. Began tracking 2010 Roza adult steelhead return updating counts to web sites
3. Submitted planned Yakima Basin release data for 2010 to NOAA and Fish Passage Center
4. Prepared data for statistical analysis of HC vs SH (BY 2002-05 Cle Elum sp ch) treatments
5. Continued work on fiscal year 2009 BPA M&E project annual report
6. Updates of 2010 Prosser counts to web site.
7. Prepared database and monitor materials for 2010 Yakima River tribal spring chinook fishery monitoring
8. Worked with tribal staff on the U.S. v OR Production Advisory Committee to review issues and options for Priest Rapids fall chinook hatchery reform
9. Conducted quality control and data analysis of 2007-2009 Yakima Basin spawner survey / scale sample data
10. Conducted necessary data analyses to respond to queries from NOAA re harvest of marked vs unmarked Yakima Basin spring chinook and coho and from YKFP project consultant re PIT detection efficiency of sampling crews at Roza Dam
11. Updated spreadsheets for tracking 2010 spring chinook migration
12. Monitoring of Yakima Basin juvenile outmigration with updates to web site
13. Maintenance and improvements to ykfp.org web site.
14. Worked with Klickitat staff to assist in development of PAR presentations and to further develop web site, databases and GIS systems.

### **Habitat**

1. Land Acquisitions – continuing to try to work with Land Enterprise on the Granger and Merten proposals. Received the final appraisal for the River Farm property, and presented the offer price (\$290k) to the landowners. After four conversations, they decided to decline BPA's offer price. Thus, that property is not available for purchase. BPA has completed review and has approved the appraisal for the Hundley Conservation Easement. Are working with Kittitas Conservation Trust on finalizing that agreement.
2. Taneum Creek restoration – Working through permitting processes. The State Environmental Policy Act checklist is almost complete. Met onsite with historian to discuss subcontract for location of the railroad alignment.
3. Little Naches Road 1900 – set up meeting with USFS personnel to discuss next steps.
4. Nelson Springs stream restoration – met with designers of the new office building, to discuss implementation approaches for stream restoration/mitigation project.

### **Passage: Screening, etc**

**Taneum Creek – Taneum Diversion** Paul Tappel, Fisheries Consultants, Inc., completed a 30% rough channel fish passage design at the Taneum Diversion. A meeting was held Saturday, March 13<sup>th</sup> with the Taneum Canal Board, KRD, USBR, KCT and Mr. Tappel to discuss the preliminary design.

**Swauk Creek** Design of permanent screens and passage by Chinook Engineering is in progress; DOE grant funding was awarded to the YN to implement the riparian restoration plan. A draft access agreement with the Ranch on Swauk Creek is being reviewed by Pat Spurgin.

**Engineering:** Chinook Engineering is on contract to develop projects on Swauk Creek, Reecer Creek, S. Naches Channel (Lewis Diversion) and Rattlesnake Creek. The products will be adequate for permitting and funding requests. The contract with Chinook has been extended until April 30<sup>th</sup>, I believe. Field days are scheduled on the 17<sup>th</sup> and 18<sup>th</sup> of March for the Reecer Creek diversions.

**Other projects:** The engineering necessary for several Little Creek screens / passage is under consideration in 2010 under a new contract. Likewise, a screen on Scott Ditch (Naches) will be reviewed as well.

Land Use:

10. Active participation in Ceded Lands Working Group.
11. Active participation in Kittitas County's Flood Task Force.
12. Coordinate with USFS on relocation of Road 1900 along the Little Naches River.
13. Review and comment on The City of Ellensburg's proposed amendments to its Critical Areas Ordinance
14. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
15. Review and monitor Kittitas County's development of a Critical Areas Ordinance review.
16. Manage and monitor the acquisition of LIDAR data
17. Preparation of the Eastern Washington Growth Management Hearings Board legal brief regarding the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
18. Various reviews of local government project and non-project notices.

## Management, Data & Habitat – April 2010

The Yakima: Klickitat Fisheries Project (YKFP) operates as an all stock initiative with our co-managers, Washington State Department of Fish and Wildlife (WDFW).

We continue to operate under the direction of the YKFP Policy Group which consists of a Yakama Nation (YN) Tribal Representative and a WDFW representative. The YN serves as the Lead Agency which is responsible for the day to day operations. In most regards, we've been operating with a relatively consistent level of compatibility.

Production: The upgrading activities that have been taking place for the Marion Drain and Prosser production facilities continue to progress. The new chiller was installed at Prosser and that included the removal of the old Prosser chiller which was transported to the Marion Drain site and installed. These upgrades will be supportive and beneficial to production at both facilities. April is always a very busy month with the production folks as acclimation sites are operating, juvenile fish are arriving from our facilities and cooperating hatcheries on the Columbia, smolts are being counted at Prosser, and the steelhead kelt operation starts anew with the collection of outmigrating spawned out steelhead at the Prosser hatchery site. This has been an excellent year for collecting kelts as we had a record adult run last year, and low flows have concentrated most of the outmigrating kelts into the Chandler canal for collection at the smolt trap. The Cle Elum personnel were busy releasing fish from the acclimation sites this past month. The acclimation site at Jack Creek in the Teanaway received quite a lot of snow in the April storms. There had been little to no snow at any of the sites, which did not bode well for spring runoff flows, however the large storms in April deposited enough snow to. The acclimation sites remain under twenty four hour surveillance throughout the course of time they contain fish. Each site is equipped with living quarters for the Culturist that is on duty. They have communication capabilities with the main center in Cle Elum.

Administration: Melvin has been on medical leave since early March, and underwent heart surgery on March 8<sup>th</sup>. Dr. Dave Fast is currently acting representative for the YKFP in Melvin's absence.

We're still going through the lengthy process of finalizing the plans and requirements for the replacement Monitoring and Evaluation facility at Nelson Springs. William Scottsman was selected as the contractor for the project. We are scheduling a meeting with the contractor, BPA and the Yakama Nation in an attempt to reconcile the difference (shortage) in funds from the initial contracted amount to the current estimate. Current estimate has increased due to inflation, added costs for building in the floodway, and additions that would improve energy efficiency for the facility. We continue to meet with the design engineers and BPA to finalize plan and additions such as heat pump, solar panels, etc.

Currently, all the contracts are on pace for two year approvals. We anticipate that these two year approvals will allow us to gain some administrative time in the future. Properly meeting the requirements in all of our contracts is a very demanding schedule which requires adequate qualified personnel. Over all, the project personnel have been meeting or exceeding their work assignment which fulfills the contract requirements. This completes summary report for this month.....Thank You

### Data

1. Worked with Cle Elum hatchery staff to input and finalize March month-end rearing (growth and survival) data for 2008 and 2009 broods
2. Completed 1st quarter 2010 water reports for Cle Elum water usage and submitted to state DOE
3. Updated 2010 Prosser and Roza adult steelhead counts
4. Continued work on fiscal year 2009 BPA M&E project annual report including processing and

- archiving of NOAA 2007-08 spawner survey sample data
5. Began tracking 2010 Bonn. and Prosser Dam spring chinook counts
  6. Developed proposal for mark/selective fishery evaluation using Yakima Basin spr. chin and coho; circulated spr. chin. proposal to MIPT for review
  7. Maintenance and QC of steelhead kelt database; update annual steelhead trend data
  8. Submitted 2010 kelt release data to date and 2010 denil recapture data to PTAGIS
  9. Reviewed NPCC M&E Research and Reporting Plan and drafted comments for policy consideration
  10. Reviewed CBFWA coordinated assessments documents and participated in 4/21 workshop to discuss these documents and regional VSP database considerations
  11. Participated in review of Yakima Basin Recovery Board draft M&E plan for steelhead
  12. Communicated with Univ. of WA/DART re issues/corrections with some Yakima Basin data posted on their web site
  13. Monitoring of Yakima Basin juvenile outmigration with updates to web site
  14. Maintenance and improvements to ykfp.org web site.
  15. Worked with Klickitat staff to further develop web site, databases (hatchery spawning and rearing) and GIS systems.

### **Habitat**

1. Land Acquisitions – continuing to try to work with Land Enterprise on the Granger and Merten proposals. Held teleconferences with BPA, WDFW and Kittitas Conservation Trust regarding the Hundley Conservation Easement.
2. Taneum Creek restoration – Finalizing permit applications. Went over budget information with YKFP staff.
3. Lower Swauk Creek Assessment – three meetings in Seattle with landowners, The Nature Conservancy, and Entrix (consulting firm) about status of assessment, and next steps.
4. “Salmon Days” environmental education at the Holmes property. Helped organize, and gave 16 presentations over two days to approximately 200 school children on tree planting, salmon habitat restoration, stream ecology, and salmon migration.
5. Big Creek Restoration – designed and abandoned road. Organized silvicultural treatment. Helped with revegetation planning.
6. Lower Wilson Restoration – ripped furrows for revegetation. Site preparation for burning. Assisted with tree planting. Oversaw activities of Washington Conservation Corps.

### **Passage; Screening, etc**

**Taneum Diversion** – In the process of shifting \$200,000 to Fish Passage Construction In order to have enough funding to complete the project with Kittitas Conservation Trust.

**Swauk Creek** Design of passage by Chinook Engineering is in the 3<sup>rd</sup> iteration (wing-dam). The DOE grant is in place for the floodplain project – a contract with ENTRIX is pending.

**Engineering:** Chinook Engineering is working primarily on Swauk Creek plans for permitting and fall construction. An additional engineering contract will be necessary for work on Little Creek, Tucker Creek, Scott Ditch, and Taneum Canal. Receipt of three bids will be necessary – that effort is in progress.

**Craig Road Fencing:** Bids have been requested from four fencing contractors.

### **Land Use:**

1. Preparation for an appeal of Yakima County’s Shoreline Master Program
2. Active participation in Yakama Nation’s Department of Natural Resources Ceded Lands Working Group.
3. Active participation in Kittitas County’s Flood Task Force.
4. Coordinate with USFS on relocation of Road 1900 along the Little Naches River.
5. Review and monitor The City of Ellensburg’s proposed amendments to its Critical Areas Ordinance
6. Review and monitor Kittitas County’s development of a subarea plan for the Teanaway Basin.
7. Review and monitor Kittitas County’s development of a Critical Areas Ordinance review.
8. Manage and monitor the acquisition of LIDAR data



9. Review and monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
10. Various reviews of local government project and non-project notices.

## Management, Data & Habitat - May 2010

The Yakima: Klickitat Fisheries Project (YKFP) operates as an all stock initiative with our co-managers, Washington State Department of Fish and Wildlife (WDFW).

We continue to operate under the direction of the YKFP Policy Group which consists of a Yakama Nation (YN) Tribal Representative and a WDFW representative. The YN serves as the Lead Agency which is responsible for the day to day operations. In most regards, we've been operating with a relatively consistent level of compatibility.

**Production:** The upgrading activities that have been taking place for the Marion Drain and Prosser production facilities continue to progress. These upgrades will be supportive and beneficial to production at both facilities. May is a very busy month with the production folks as acclimation sites are operating and smolts are volitionally leaving for their journey to the sea, juvenile fish are arriving from our facilities and cooperating hatcheries on the Columbia, smolts are being counted at Prosser, and the steelhead kelt operation continues with the collection of outmigrating spawned out steelhead at the Prosser hatchery site. This has been an excellent year for collecting kelts as we had a record adult run last year, and low flows have concentrated most of the outmigrating kelts into the Chandler canal for collection at the smolt trap. The Cle Elum personnel were busy releasing fish from the acclimation sites this past month. The acclimation site at Jack Creek in the Teanaway received quite a lot of snow in the April storms. There had been little to no snow at any of the sites, which did not bode well for spring runoff flows, however the large storms in April and continued into May deposited enough snow to help raise the snowpack and predictions of better spring runoff. Currently having high flows in the Yakima due to warm weather last weekend and heavy rainfall much of this week as storms continue to roll into Washington. The acclimation sites remained under twenty four hour surveillance throughout the course of time they contained fish. Each site is equipped with living quarters for the Culturist that is on duty. They have communication capabilities with the main center in Cle Elum. The remaining smolts were pushed from the acclimation ponds in the past week to take advantage of higher flows that improve survival of smolts migrating out of the basin.

**Administration:** Melvin has been on medical leave since early March, and underwent heart surgery on March 8<sup>th</sup>. Dr. Dave Fast is currently acting representative for the YKFP in Melvin's absence.

We're still going through the lengthy process of finalizing the plans and requirements for the replacement Monitoring and Evaluation facility at Nelson Springs. William Scottsman was selected as the contractor for the project. We are scheduling a meeting with the contractor, BPA and the Yakama Nation in an attempt to reconcile the difference (shortage) in funds from the initial contracted amount to the current estimate. Current estimate has increased due to inflation, added costs for building in the floodway, and additions that would improve energy efficiency for the facility. We continued to meet with the design engineers and BPA to finalize plan and evaluate opportunities to reduce project costs downward to meet the monies assigned to this project in the Accords negotiations.

Currently, all the contracts are on pace for two year approvals. We anticipate that these two year approvals will allow us to gain some administrative time in the future. Properly meeting the requirements in all of our contracts is a very demanding schedule which requires adequate qualified personnel. Over all, the project personnel have been meeting or exceeding their work assignment which fulfills the contract requirements. This completes summary report for this month.....Thank You

### Data

1. Worked with Cle Elum hatchery staff to input and finalize April month-end rearing (growth and survival) data for 2008 and 2009 broods.
2. Updated 2010 Prosser and Roza steelhead counts; submitted Roza tag data to PTAGIS.
3. Continued tracking 2010 Bonneville, Prosser and Roza Dam spring chinook counts and PIT detections.
4. Worked on finalizing Yakima Basin HGMPs, including Take tables for submittal to formal consultation process.
5. Continued work on fiscal year 2009 M&E contract annual report to BPA including review of draft appendices provided by D. Neeley on smolt estimation at Prosser and survival of various spring chinook, fall chinook and coho

releases.

6. Responded to various MIPT data requests.
7. Reviewed data on DART (CWT SAR rates, conversion rates) for Yakima Basin PIT recaptures for accuracy; submitted e-mails to DART with methods for correcting and improving these data.
8. Developed comments on draft regional monitoring, evaluation, research and reporting plan
9. Worked with Scribner and other YN staff to review YN fall chinook program and develop YN fall chinook egg request for use of Priest Rapids fish in 2010.
10. 2010 kelt database management and maintenance.
11. Monitoring of Yakima Basin juvenile outmigration with updates to web site
13. Worked with Klickitat staff to further develop web site, databases and GIS systems.

### **Habitat**

1. Land Acquisitions – continuing to try to work with Land Enterprise on the Granger and Merten proposals. Discussions with Phil Rigdon regarding the Conservation Easement language that BPA has developed, which they want attached to all of our acquisitions. Onsite meeting with BPA, WDFW, the private landowner and Kittitas Conservation Trust at Hundley. Onsite meeting with BPA's hazardous materials specialist, at Hundley, Newhall/Jones, Juniper Village, and Alliance Investment properties.
2. Gave tour to NOAA habitat biologists at the Hanson Ponds floodplain restoration project.
3. Gave tour to WDNr, University graduate students at the Taneum Restoration Phase 1 project.
4. Onsite meeting with YN cultural resources and archaeologist on Taneum Restoration Phase 2 proposal.
5. Attended Reecer Creek Floodplain monthly meeting. Discussed budget issues.
6. Taneum Creek restoration – Submitted the SEPA checklist to the landowner for processing. Finalizing permit applications. Onsite meetings with WCC labor crew to discuss project approach.
7. Lower Swauk Creek Assessment – continued discussion with consultant regarding approach.
8. Quarterly accords meeting with BPA.
9. Discussions with Central Washington University biologist regarding a proposal to map railroad locations, unnatural confinements and other historic alterations in the Taneum watershed.

### **Passage; Screening, etc**

**Taneum Diversion** – Met with NOAA engineer in Seattle on May 18<sup>th</sup> to discuss aspects of the Fisheries Consultants, Inc. (Paul Tappel) design that NOAA questioned. Kittitas Conservation Trust (KCT) has applied to NOAA for funding. Without the NOAA funding, we would be required to shift BPA (Accord) funding, if possible.

**Swauk Creek** Design of passage/screening by Chinook Engineering is still underway. A TWG meeting was held on April 28<sup>th</sup> with YTAHP participants and the engineer.

A contract with ENTRIX for floodplain restoration work is pending.

**Engineering:** Chinook Engineering is working on both the Swauk Creek and Lewis Ditch/South Naches Channel plans en route to fall construction.

A contract with Fisheries Consultants, Inc. for additional engineering on Little Creek, Tucker Creek, Scott Ditch, and Taneum Canal is with Grants and Contracts, I believe.

**Craig Road Fencing:** Bids have been received. EBJ Fencing was selected to do the work. Jon Shellenberger, Yakama Nation Wildlife, has submitted a budget for completing the required archeological survey.

### **Land Use:**

1. Preparation of comments to the US Army Corps of Engineers on the proposal by Central Pre-Mix for a gravel mine in the floodplain of the Yakima River.
2. Preparation of a petition to the Eastern Washington Growth Management Hearings Board for an appeal of Yakima County's Shoreline Master Program
3. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
4. Active participation in Kittitas County's Flood Task Force.
5. Coordinate with USFS on relocation of Road 1900 along the Little Naches River.
6. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
7. Review and monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
8. Manage and monitor the acquisition of LIDAR data
9. Review and monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO). Various reviews of local government project and non-project notices

## Management, Data and Habitat – June 2010

The Yakima/Klickitat Fisheries Project (YKFP) continues to be an all stock initiative under the direction of the Policy Group in coordination with our co-managers, Washington Department of Fish and Wildlife. Pursuant to the Northwest Power Act, the bulk of our funding comes from the Bonneville Power Administration on various selected projects. Formally, we attempt to have monthly Policy Group meeting at which representation from the State, BPA, and key Project personnel are in attendance. Minutes are done and maintained as a record of all our transactions. WDFW enters into contracts with BPA comparable to what YN does. In most regards, the joint participation creates and working relationship that is compatible with all involved. On an annual basis, we have a Project Review which covers and addresses all the activities of the YKFP in the Yakima River Sub-basin. For the Klickitat River Sub-basin, a separate Project Annual review is held.

BIOP: The implementation of the BIOP process has been on-going and has caused some inquiries to surface relative to some requested considerations. There's been various meetings held to address some of the inquiries and their of additional meetings scheduled. Hopefully, circumstances will be understood and get resolved in the best interest of the Project and YN. It remains critical that all factors contained within the BIOP are resolved in the best interest for salmon/habitat recovery.

Cle Elum Supplementation and Research Facility: In summary, spring brood stock capture that takes place a ROZA, on target. The current numbers exceeds five hundred brood at Cle Elum with the trap still operating. The visual word on the brood stock is they are in good shape. They will be held in their raceway(s) until it's spawning time which is usually in late September or Early October. As the facilities at Cle Elum continue to serve there purpose, being over ten years old, we are experiencing the need to replace certain worn units, such as pumps, etc. Also, through the cooperative arrangement with YN Facilities Management, the much needed painting of the building will be taking place. These kind of factors are on-going and must be addressed and maintained on a timely basis. Each year, CE has an open house which includes a free salmon feast which is open to the public and Tribal employees. Last year it was estimated that 450 people attended which also includes a self guided tour of the complex. It affords an ample opportunity for people to become aware what all transpires at this facility that operates under the YKFP. It further affords an opportunity for the general public to visit and get a feeling what the YN is doing for salmon restoration.

Prosser and Marion Drain Facilities: These facilities collectively have maintained a very busy schedule. Currently several thousand coho are being tagged at Prosser. They are also cleaning out raceway number sixteen which means moving several sturgeon and coho. The race way will be utilized for coho. They're maintaining enough variety of fish at Prosser to accomodate all of the visitors, namely the school children. All of the scheduled activities at Prosser and Marion Drain are on schedule and functioning. The project did deliver the annual trout planting into Mt. Adams Lake in June. Will schedule a planting for Howard Lake and Tract D later.

Legal Analyst: We've basically kept our Legal Analyst pretty busy with the Klickitat and Yakima activities this past month. He continues to assist in all related matters that he is called upon to address. Mr. Spurgin is and has been doing a excellent job. He has accumulated a positive rapport with BPA and other outside agencies we encounter with for the YKFP. Administration: Currently, we are at full staff in our Project support personnel. We have been fortunate during the recent past to send our support staff of training in various disciplines. The magnitude of their responsibilities necessitates constant up grading through appropriate work shops and training.

The Program Coordinator has been very busy in maintaining a current status with Piscis and the BIOP. This has required constant coordination with our BPA COTR and other BPA personnel. As far as the over-all Project activities, our field personnel and been doing an excellent job. The Project's field Biologists and supervisors have been maintaining at a level that requires allot of man hours. This concludes our summary for this month...We are looking forward to another successful month.

### Data

1. Worked with Cle Elum hatchery staff to input and finalize June month-end rearing (growth and survival) data for 2009 brood

2. Completed 2nd quarter 2010 water reports for Cle Elum water usage and submitted to state DOE
3. Updated 2010 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. Coordinated with other ykfp staff and continued work on the 199506325 YKFP M&E proposal in the online cbfish.org forms pursuant to the 2010 regional RME/artificial propagation categorical review process
6. Participated in regional M&E / data management teleconferences: priorities from Skamania workshops for development of a preliminary regional VSP database; developed pilot VSP policy-level displays for Yakima Basin spring chinook
7. Backed up and performed quality control of steelhead kelt database; updated PIT data for 2010 steelhead kelt short-term and direct releases to PTAGIS
8. Quality control and submittal of Roza spring chinook PIT release data (for NOAA spawning ground survey study) to regional PTAGIS system
9. Quality control and submittal of mid-Columbia coho release data to regional mark (CWT) info. system
10. E-mails and meetings to discuss Prosser facility needs and upgrades pursuant to Master Plan
11. Reviewed and commented on D. Neeley annual reports; edits and updates to annual report for BPA M&E contract
12. Monitoring of Yakima Basin juvenile outmigration with updates to web site
13. Maintenance and improvements to ykfp.org web site.
14. Worked with Klickitat staff to further develop web site, databases and GIS systems.

### Habitat

1. Land Acquisitions – various phone calls with YN staff, BPA, and landowners throughout the month. Discussion with BPA and consultant on future management of the BNSF property, which was purchased on June 26<sup>th</sup>. Left phone message with Dave Browitt, a landowner of an in-holding at the CESRF property. Hundley Conservation Easement tentatively set to close on 7/26.
2. Met with CWU student and USFWS regarding small contract to locate floodplain confinements associated with the historic railroad on Taneum Creek.
3. Developed request for bid, for Taneum Restoration Phase 2. Rec'd HPA, FPA, and Shoreline exemption for this project. Marked 370 trees for thinning and placement in the channel. Gave presentation on Taneum to CWU WATERS program.
4. Attended meeting with City of Yakima regarding floodplain restoration along the associated ~80-acre parcel.
5. Discussed contractual matters with YN staff and Pat Spurgin regarding the Reecer Creek Floodplain project. Attended pre-bid site meeting.
6. Lower Swauk Creek Assessment –discussions with Entrix about bridge design. It appears that the best alternative will be to elevate the existing bridge – least cost, and it will enable debris passage under the refurbished bridge.
7. Evaluated and ranked habitat restoration/protection/assessment proposals for this round of Salmon recovery funding board grant rounds.
8. Conferenced with Cameron Thomas of USFS regarding approach on Road 1900. Discussed this at the annual MOU meeting on July 27<sup>th</sup>. Also discussed wood replenishment project.
9. Site visits with USFS and RFEG for next year's wood replenishment – locations will likely include Jungle Creek and NF Teanaway, and Iron Creek (trib to Swauk Creek).
10. Met with YN staff about budget issues – will increase WCC contract starting in October, and will

### Passage; Screening, etc

1. **Taneum Diversion Passage** Fisheries Consultants, Inc. (Paul Tappel) is planning on going to bid during late-July. The balance of necessary funding (\$150K) was requested from BPA by Adrienne but details on subcontracting remain unclear.
2. **Swauk Creek** Design of passage/screening by Chinook Engineering is complete. A TWG meeting was held on April 28<sup>th</sup>. Bid documents are being drafted by the engineer.
3. A contract with ENTRIX for floodplain restoration work is in place. A meeting was held with ENTRIX personnel on the 13<sup>th</sup>. Construction is anticipated this fall

4. **Engineering** Fisheries Consultants, Inc. has surveyed the little Creek site and visited the Scott Ditch with WDFW. Paul Tappel has issued memos on each to sum up his understanding of each project.
5. **Craig Road Fencing** EBJ Fencing is constructing the fence and is currently waiting on T-posts to be delivered.

**Land Use:**

1. Preparation for a meeting with WDFW on proposed HPA rule amendments.
2. Meeting with NRCS to discuss proposed bank work on the Teanaway River.
3. Preparation of comments to Douglas County on proposed docks on the Columbia River.
4. Preparation of comments to the US Army Corps of Engineers on the proposal by Central Pre-Mix for a gravel mine in the floodplain of the Yakima River.
5. Preparation of a brief to the Eastern Washington Growth Management Hearings Board for an appeal of Yakima County's Shoreline Master Program
6. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
7. Active participation in Kittitas County's Flood Task Force.
8. Coordinate with USFS on relocation of Road 1900 along the Little Naches River. (on hold)
9. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
10. Review and monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
11. Manage and monitor the acquisition of LIDAR data
12. Review and monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
13. Various reviews of local government project and non-project notices.

## **Management, Data & Habitat July 2010**

The Yakima/Klickitat Fisheries Project (YKFP) continues to be an all stock initiative under the direction of the Policy Group in coordination with our co-managers, Washington Department of Fish and Wildlife. Pursuant to the Northwest Power Act, the bulk of our funding comes from the Bonneville Power Administration on various selected projects. Formally, we attempt to have monthly Policy Group meeting at which representation from the State, BPA, and key Project personnel are in attendance. Minutes are done and maintained as a record of all our transactions. WDFW enters into contracts with BPA comparable to what YN does. In most regards, the joint participation creates and working relationship that is compatible with all involved. On an annual basis, we have a Project Review which covers and addresses all the activities of the YKFP in the Yakima River Sub-basin. For the Klickitat River Sub-basin, a separate Project Annual review is held.

BIOP: The implementation of the BIOP process has been on-going and has caused some inquiries to surface relative to some requested considerations. There's been various meetings held to address some of the inquiries. Hopefully, circumstances will be understood and get resolved in the best interest of the Project and YN. It remains critical that all factors contained within the BIOP are resolved in the best interest for salmon/habitat recovery.

Cle Elum Supplementation and Research Facility: In summary, spring brood stock capture that takes place a ROZA, on target. The current numbers exceeds five hundred brood at Cle Elum with the trap still operating. The visual word on the brood stock is they are in good shape. They will be held in their raceway(s) until it's spawning time which is usually in late September or Early October. As the facilities at Cle Elum continue to serve there purpose, being over ten years old, we are experiencing the need to replace certain worn units, such as pumps, etc.

Also, through the cooperative arrangement with YN Facilities Management, the much needed painting of the building will be taking place. These kind of factors are on-going and must be addressed and maintained on a timely basis. Each year, CE has an open house which includes a free salmon feast which is open to the public and Tribal employees. Last year it was estimated that 450 people attended which also includes a self guided tour of the complex. It affords an ample opportunity for people to become aware what all transpires at this facility that operates under the YKFP. It further affords an opportunity for the general public to visit and get a feeling what the YN is doing for salmon restoration.

Prosser and Marion Drain Facilities: These facilities collectively have maintained a very busy schedule. Currently several thousand coho are being tagged at Prosser. They are also cleaning out raceway number sixteen which means moving several sturgeon and coho. The race way will be utilized for coho. They're maintaining enough variety of fish at Prosser to accommodate all of the visitors, namely the school children. All of the

scheduled activities at Prosser and Marion Drain are on schedule and functioning. The project did deliver the annual trout planting into Mt. Adams Lake in June. Will schedule a planting for Howard Lake and Tract D later.

Legal Analyst: We've basically kept our Legal Analyst pretty busy with the Klickitat and Yakima activities this past month. He continues to assist in all related matters that he is called upon to address. Mr. Spurgin is and has been doing an excellent job. He has accumulated a positive rapport with BPA and other outside agencies we encounter with for the YKFP. Administration: Currently, we are at full staff in our Project support personnel.

We have been fortunate during the recent past to send our support staff to training in various disciplines. The magnitude of their responsibilities necessitates constant up grading through appropriate workshops and training.

The Program Coordinator has been very busy in maintaining a current status with Pisces and the BIOP. This has required constant coordination with our BPA COTR and other BPA personnel. As far as the over-all Project activities, our field personnel and been doing an excellent job. The Project's field Biologists and supervisors have been maintaining at a level that requires allot of man hours. This concludes our summary for this month...We are looking forward to another successful month.

### **Data**

1. Worked with Cle Elum hatchery staff to input and finalize June month-end rearing (growth and survival) data for 2009 brood
2. Completed 2nd quarter 2010 water reports for Cle Elum water usage and submitted to state DOE
3. Updated 2010 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. Coordinated with other YKFP staff and continued work on the 199506325 YKFP M&E proposal in the online cbfish.org forms pursuant to the 2010 regional RME/artificial propagation categorical review process
6. Participated in regional M&E / data management teleconferences: priorities from Skamania workshops for development of a preliminary regional VSP database; developed pilot VSP policy-level displays for Yakima Basin spring chinook
7. Backed up and performed quality control of steelhead kelt database; updated PIT data for 2010 steelhead kelt short-term and direct releases to PTAGIS
8. Quality control and submittal of Roza spring chinook PIT release data (for NOAA spawning ground survey study) to regional PTAGIS system
9. Quality control and submittal of mid-Columbia coho release data to regional mark (CWT) info. system
10. E-mails and meetings to discuss Prosser facility needs and upgrades pursuant to Master Plan
11. Reviewed and commented on D. Neeley annual reports; edits and updates to annual report for BPA M&E contract
12. Monitoring of Yakima Basin juvenile outmigration with updates to web site
13. Maintenance and improvements to ykfp.org web site.
14. Worked with Klickitat staff to further develop web site, databases and GIS systems.

### **Habitat**

1. Land Acquisitions – various phone calls with YN staff, BPA, and landowners throughout the month. Discussion with BPA and consultant on future management of the BNSF property, which was purchased on June 26<sup>th</sup>. Left phone message with Dave Browitt, a landowner of an in-holding at the CESRF property. Hundley Conservation Easement tentatively set to close on 7/26.
2. Met with CWU student and USFWS regarding small contract to locate floodplain confinements associated with the historic railroad on Taneum Creek.
3. Developed request for bid, for Taneum Restoration Phase 2. Rec'd HPA, FPA, and Shoreline exemption for this project. Marked 370 trees for thinning and placement in the channel. Gave presentation on Taneum to CWU WATERS program.
4. Attended meeting with City of Yakima regarding floodplain restoration along the associated ~80-acre parcel.
5. Discussed contractual matters with YN staff and Pat Spurgin regarding the Reecer Creek Floodplain project. Attended pre-bid site meeting.
6. Lower Swauk Creek Assessment –discussions with Entrix about bridge design. It appears that the best alternative will be to elevate the existing bridge – least cost, and it will enable debris passage under the refurbished bridge.

7. Evaluated and ranked habitat restoration/protection/assessment proposals for this round of Salmon recovery funding board grant rounds.
8. Conferenced with Cameron Thomas of USFS regarding approach on Road 1900. Discussed this at the annual MOU meeting on July 27<sup>th</sup>. Also discussed wood replenishment project.
9. Site visits with USFS and RFEG for next year's wood replenishment – locations will likely include Jungle Creek and NF Teanaway, and Iron Creek (trib to Swauk Creek).
10. Met with YN staff about budget issues – will increase WCC contract starting in October, and will

#### **Passage; Screening, etc**

1. **Taneum Diversion Passage** Fisheries Consultants, Inc. (Paul Tappel) is planning on going to bid during late-July. The balance of necessary funding (\$150K) was requested from BPA by Adrienne but details on subcontracting remain unclear.
2. **Swauk Creek** Design of passage/screening by Chinook Engineering is complete. A TWG meeting was held on April 28<sup>th</sup>. Bid documents are being drafted by the engineer.
3. A contract with ENTRIX for floodplain restoration work is in place. A meeting was held with ENTRIX personnel on the 13<sup>th</sup>. Construction is anticipated this fall
4. **Engineering** Fisheries Consultants, Inc. has surveyed the little Creek site and visited the Scott Ditch with WDFW. Paul Tappel has issued memos on each to sum up his understanding of each project.
5. **Craig Road Fencing** EBJ Fencing is constructing the fence and is currently waiting on T-posts to be delivered.

#### **Land Use:**

1. Preparation for a meeting with WDFW on proposed HPA rule amendments.
2. Meeting with NRCS to discuss proposed bank work on the Teanaway River.
3. Preparation of comments to Douglas County on proposed docks on the Columbia River.
4. Preparation of comments to the US Army Corps of Engineers on the proposal by Central Pre-Mix for a gravel mine in the floodplain of the Yakima River.
5. Preparation of a brief to the Eastern Washington Growth Management Hearings Board for an appeal of Yakima County's Shoreline Master Program
6. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
7. Active participation in Kittitas County's Flood Task Force.
8. Coordinate with USFS on relocation of Road 1900 along the Little Naches River. (on hold)
9. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
10. Review and monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.
11. Manage and monitor the acquisition of LIDAR data
12. Review and monitor the Yakama Nation appeal of the Yakima County Critical Areas Ordinance (CAO).
13. Various reviews of local government project and non-project notices.

## **Management, Data & Habitat – August 2010**

The Yakama/Klickitat Fisheries Project (YKFP) remains an all stock initiative in coordination with our co-managers, Washington Department of Fish and Wildlife, (WDFW). As co-managers, we jointly participate in fulfilling various goals and objectives of the YKFP. WDFW contracts directly with Bonneville Power Administration (BPA) for their active participation in the YKFP. The YKFP is operated as co-managers primarily through the formal function of the YKFP Policy Group, of which we both have representatives and BPA is also present at our monthly Policy Group meetings. We serve as the Lead Agency, thus, we also set up and chair the PG meetings.

The monthly DNR Managers meetings, usually designates a respective program to make a power point presentation on their program, afforded the YKFP the opportunity to make a power point presentation on both sub-basins, Yakima and Klickitat. Lead Biologist for the Klickitat, Mr. Bill Sharp, presented the Klickitat and Dr. Dave Fast presented the Yakima. These presentations were very informative for the other Program Managers. In most

cases, they weren't aware of all that is transpiring within the YKFP, such as operating four production facilities, Cle Elum, Prosser, Marion Drain and Klickitat. It proved to be very interesting for all in attendance and would suggestively expect it to be done again.

BIOP: The BIOP seems to be generating points of interest as time goes on. One only hopes that it would be developing understandings that were compatible with all of those personnel involved in its functions and intents. We are looking forward to fulfilling the full intent of the ACCORD.

Production: We are in spawning seasons as two facilities have developed their spawning schedule, Klickitat and Cle Elum. Once implemented, they usually sort one day and spawn the next day. Cle Elum is scheduled to start (sort) September 7, 2010. I believe Klickitat is scheduled to start today. We hope and anticipate that all the spawning will be done without any major difficulties. As we all know, the procedure is very stressing and demanding. It takes some keen team work to be effective in the spawning procedure. From the technical merit, some vital information is attained during the process which is recorded and some vital fish health matters are examined by United States Fish and Wildlife Service (USFWS).

Prosser is still undergoing some key replacement and up grading work. Marion Drain is also doing some maintenance work for up grading and replacement of worn parts. The status of the water wells is still under examination. We are finally making some progress on the Nelson Springs M&E replacement facility. In the near future, we should be entering into a contract for the facility, installation and contract for site preparation, including well, power and septic tank instant installation. We will also be addressing the demolition plan for the old facilities. Our original plan was to temporarily remove the personnel from the double wide and move them to the house until new facility is installed. It appears, that we may be able to leave them in the double wide as it may not be in the way of site and installation work. This would save us a lot of work such as the telephone and computer lines as well as moving all the contents.

YKFP is still at full staff and maintaining a smooth operation for all contracts. The final draft narrative for MDH has been submitted. BPA should be posting it in the near future. This concludes our summary report and we are looking forward to next month.

### **Data**

1. Worked with Cle Elum hatchery staff to input and finalize July month-end rearing (growth and survival) data for 2009 brood.
2. Began finalizing 2010 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.
3. Monitored return of PIT-tagged adult steelhead to Bonneville; updated Kelt tracking database
4. Finalized 2009 annual report to BPA for the YKFP monitoring and evaluation contract; posted to Pisces on 8/3.
5. Continued monitoring of Roza counts; backing up database and posting latest counts to ykfp.org and DART
6. Attended Cle Elum pre-spawning preparation meeting; prepared tags to assist in 2010 Cle Elum spawning process
7. Initialized and tested 2010 Denil and Cle Elum spawner databases for use this fall
8. Submit CWT data (including QC work) for Yakima Basin fall chinook releases to regional database
9. Updated U.S. v OR Production Committee documents re URB releases above Bonneville to include latest thinking re Yakima Basin releases
10. Work on "context only" submittals for Yakima and Klickitat for regional categorical review
11. Updated PowerPoint slide show re: Yakima Basin proposals from 2006 provincial review process for categorical review
12. Participated in meeting to review reporting of habitat limiting factors and status & trends work in upper Columbia; discussed portability of existing work to Yakima Basin activities
13. Reviewed NMFS Mitchell Act draft EIS documents; prepared some initial comments
14. Prepared data set of adult returns to Roza from Clark Flat releases for statistical analysis of SH vs HC by project statistician



15. Researched John Day Basin spring chinook redd count and adult return data for comparison of trends with Yakima Basin

### **Habitat**

1. Land Acquisitions – continue to field calls from the private landowners. Progress on the Conservation Easement issue between YN and BPA has been slow. Held site visit with Dave Browitt, a landowner of an in-holding at the CESRF property. This was in regards to the possibility of purchasing his property, and doing wetland restoration adjacent to his property.
2. Advertised, held prebid meeting, opened bids, and selected contractor for Taneum Restoration Phase 2. Rec'd 404 permit for this project. Waiting for 401 permit.
3. Had the habitat tractor maintained and repaired. Took delivery on 50 gallons of biodiesel. Utilized new attachment – a Uniforest skid winch, which will be used by the WCC for large wood replenishment next year.
4. Finalized contract with YN staff and Pat Spurgin for the Reecer Creek Floodplain project. Waiting for contract to be signed by tribal council. The project is short-funded by about \$170k, and had to attend meeting with other sponsors, and explain that YN cannot provide additional funding for the project without a lengthy delay. The project will commence, and additional funding will hopefully be forth-coming through other sources.
5. Lower Swauk Creek Assessment – discussions with TNC about project status.
6. Conference with YN staff regarding management, and future development at the Holmes Habitat parcel.
7. Met with YN staff and WDFW about instream flow issues in small upper Yakima tribs, including Tillman, Spex Arth, Peterson, Tucker, Little, and unnamed tribs. This is in regards to well moratorium resolutions.

### **Passage; Screening, etc**

**Taneum Diversion Passage** The project is out for bid. A mandatory site visit occurred on August 12<sup>th</sup>. There were ~16 qualified bidders. The balance of necessary funding (\$150K) was requested from BPA by Adrienne some time ago but details on receipt of the funding and the associated subcontracting remain unclear.

**Swauk Creek** The project is out for bid. Bids are due on August 27<sup>th</sup>. Bid documents are available via the engineer's web site: [www.chinook-engineering.com](http://www.chinook-engineering.com) (link to Swauk Creek Fish Passage).

ENTRIX was on site on August 17<sup>th</sup> to assess the reliability of past LIDAR coverage and to GPS perimeter flagging for the anticipated floodplain restoration work. Final engineering drawings are projected in late-September to early-October. The only work that will occur soon will be some planting in late-fall or early spring.

**Engineering** Fisheries Consultants, Inc. has surveyed the little Creek site and provided a site map and conceptual design for my review.

**Craig Road Fencing** : EBJ Fencing has completed the work and been paid.

### **Land Use:**

1. Participation with WDFW on proposed HPA rule amendments.
2. Participation in the Yakima Ecosystems Project.
3. Preparation of comments to Kittias County on the proposed Teanaway Solar Reserve.
4. Preparation of comments to Kittias County on a proposed sub-division along Reecer Creek.
5. Preparation of comments to the City of Ellensburg on a proposed development along Reecer Creek.
6. Preparation of comments to the City of Ellensburg on a proposed development along Mercer Creek
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. Coordinate with USFS on relocation of Road 1900 along the Little Naches River. (on hold)
11. Review and monitor Kittitas County's development of a subarea plan for the Teanaway Basin.
12. Review and monitor Kittitas County's development of a Critical Areas Ordinance and Shoreline Master Program review.

13. Manage and monitor the acquisition of LIDAR data
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## Management, Data & Habitat – September 2010

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YKFP projects are gearing up to input the new SOW and 2 year budgets, these are required to be input to Pisces at least 120 days before start up of project. This concludes our summary report and we are looking forward to next month.

### Data

1. Worked with Cle Elum hatchery staff to input and finalize August month-end rearing (growth and survival) data for 2009 brood.
2. Continued updates to annual spring chinook trend analysis table including addition of 2010 adult migration data (dam counts, harvest, etc.).
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. Updated the 2010 Denil databases to assure proper DNA sampling and PIT detection data collection; integrated 2010 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
7. Participated in CBFWA/regional data sharing teleconference meetings
8. Prepared estimates of Yakima Basin fall chinook contributions to marine and lower Columbia R. fisheries; fall chinook master planning engineering design; coordinate w/ U.S. v Oregon Production Advisory committee re long-term plans for Yakima Basin fall chinook releases
9. Reviewed NOAA draft Mitchell Act EIS and worked with internal YN and CRITFC staff to prepare comments
10. Entered and QC'd Yakima coho CWT release data into regional CWT (RMPC) database
11. Attended ISRP presentation of YKFP M&E project(s) for 2010 categorical review
12. Prepared technical data for: POST study (preliminary sp ch SAR data); D. Neeley - juvenile and adult survival analyses for brood years 2002 to present; (S. Kline) BOR/Heritage U course

### Habitat

**Taneum Restoration Phase 2:** completed heavy equipment work on 9/22. We placed about 800 trees in the stream in complex jams, installed pedestrian bridge stringer, and move large boulders to limit access.

**Land Acquisitions:** closing on the Hundley property by 10/10. five others continue to move forward, with intent to close this fall.

**Water Rights:** meetings with developers and other YN staff about the wellhead moratorium, and possible solutions.

### Land Use:

1. Participation with WDFW on proposed HPA rule amendments.
2. Legal strategy on the proposed Teanaway Solar Reserve.

3. Preparation of a brief to the Eastern Washington Growth Management Hearings Board for an appeal of Yakima County's Shoreline Master Program
4. Active participation in Yakama Nation's Department of Natural Resources Ceded Lands Working Group.
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