

# Yakima/Klickitat Fisheries Project

## Management, Data and Habitat

Annual Report 2004 - 2005

November 2005

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Bonneville Power Administration  
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# **Management, Data and Habitat The Confederated Tribes and Bands of The Yakama Nation**

First Quarter Report  
April 1, 2004 – June 30, 2004

Second Quarter Report  
July 1, 2004 – September 30, 2004

Third Quarter Report  
October 1, 2004 – December, 2004

Fourth Quarter and Draft Final Report  
January-February-March-April 30, 2005

## **Prepared For:**

Project # 1988-120-25  
Contract # 17274

David Byrnes, COTR  
Bonneville Power Administration  
Portland, Oregon

## **Submitted on behalf of all Project Personnel**

### **By:**

Melvin R. Sampson  
Project Analyst/Project Coordinator  
Yakama Nation  
P.O. Box 151  
Toppenish, WA 98948

**NOVEMBER 2005**

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## INTRODUCTION

The Yakima/Klickitat Fisheries Project (YKFP or Project) continues to be an all stock initiative that is responding to the need for scientific knowledge for rebuilding and maintaining naturally spawning anadromous fish stocks in both sub basins.

The Yakama Nation, as the Lead Agency, in coordination with the co-managers, Washington Department of Fish and Wildlife and in cooperation with the Bonneville Power Administration, the funding agency, is pursuing this. We are testing the principles of supplementation as a means to rebuild fish populations through the use of locally adapted broodstock in an artificial production program. Also, the goal is to increase the numbers of naturally spawning fish, while maintaining the long term genetic fitness of the fish population being supplemented. This concept is being utilized on the Spring Chinook within the Yakima River Basin. Also, experiments are being initiated this performance period to initially determine if there are any genetic concerns relative to domestication.

The coho and fall chinook programs were approved and implemented in the Yakima Basin. The coho programs principle objective is to determine if naturally spawning coho populations can be reintroduced throughout their biological range in the basin.

The objective of the fall chinook program is to determine if supplementation is a viable strategy to increase fall chinook populations in the Yakima subbasin. The coho and fall chinook programs are under the three step process that was established by the Northwest Power Planning Council and have gone through the provincial review process.

The Klickitat subbasin management program is coordinated with the Yakima subbasin program. Effective this year, a separate contract for Management has been implemented for the Klickitat subbasin. The Klickitat Subbasin also has separate contracts for Monitoring & Evaluation, Construction, and ultimately, Operation and Maintenance. In the Klickitat subbasin, we propose to use supplementation to increase populations of spring chinook and steelhead. This program is still in the developmental stages consistent with the three step process. Consistent with the reporting procedures, separate reports will be completed for the Klickitat subbasin.

This report is formulated in the format of the contract. There are three reference documents utilized: **Table 1:** A table with the chronological listing of the Objectives and Tasks with a brief description of each; **Table 2:** A table that lists the personnel involved with their respective title/responsibilities with a number being assigned to represent their position in Table 3 report form i.e., if Joe Smith is number 1 on Table 2, the report will reference #1 in lieu of spelling his name under the Personnel column of Table 3; **Table 3:** A table that shows the per cent level of progress of each Task per quarter and the personnel involved. Any specific reference or comment specific to a Task will be done as a footnote on Table 3 or by an attachment. Attachments: **Attachment A** - Information System Management Plan, **Attachment B** - Legal/Policy Analysis Quarterly Summary report; Patrick Spurgin; **Attachment C** - Activities of Judith Woodward (Crossing Borders Communications) for Yakama Nation during period of May 1, 2003 through June 30, 2003 **Attachment D** - YKFP Updated Organizational Chart; **Attachment E** - Financial and Capital Inventory Reports. **Attachment F** - Policy Group Minutes.

## **TABLE 1. LIST OF OBJECTIVES AND TASKS – MANAGEMENT, DATA & HABITAT**

List of Objectives and Tasks for the Management, Data, and Habitat activities for Contract #17274 for the period of April 1, 2004 through April 30, 2005

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### **Objective 1. Yakima/Klickitat Fisheries Project Management and Oversight.**

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#### **General Scope**

The YN as the YKFP's Lead Agency, is responsible for Project planning and design; the construction, operation and maintenance of YKFP facilities; and the monitoring and evaluation of Project research activities. The Lead Agency is also responsible to ensure adequate funding for all Project activities.

#### **General Responsibilities of YKFP Essential Personnel**

The Lead Agency is responsible for the management and implementation of all YKFP facilities. The Facilities include:

1. The Cle Elum Supplementation and Research Facilities
2. The spring chinook acclimation sites at Clark Flat, Easton and Jack Creek
3. The Marion Drain Hatchery.
4. The Prosser Hatchery
5. The coho acclimation sites in the Yakima and Naches subbasins.
6. The Chandler Juvenile Facility.
7. The Roza Broodstock Collection Facility.
8. The Roza Juvenile Outmigration Trap
9. The Nelson Springs Office Complex(s).
10. The Toppenish Office Support Complex.
11. Klickitat Office Complex (Covered under Klickitat Contract)

YKFP Management is also responsible for the efficient performance of all Project research and monitoring activities, including:

1. Monitoring spring and fall chinook, coho and steelhead natural production.
2. Monitoring adult returns and survival for spring and fall chinook, coho, and steelhead;
3. Monitoring spring and fall chinook, coho and steelhead natural production.
4. Spring chinook supplementation experiments (OCT/SNT comparison, reproductive ecology, genetics);
5. Monitoring species interaction (predation, competition, etc.)
6. Coho reintroduction feasibility experiments.
7. Coho and fall chinook broodstock developments.
8. Steelhead kelt reconditioning, experiments (in cooperation with Columbia River Inter Tribal Fish Commission (CRITFC));
9. Habitat assessments and acquisition
10. Domestication research

The YKFP management is also responsible for the Project Data/Information compilation and distribution along with coordinating all planning activities.

- TASK 1.1** Produce and maintain the Project Management Flow Chart for the YKFP.
- TASK 1.2** Policy Advisor/Project Coordinator (PAPC). Lead management and oversight person for YKFP. Implements, coordinates, oversees YKFP and its' personnel.
- TASK 1.3** Program Coordinator (PC). Under supervision of PAPC. Responsible for oversight on all financial matters, including all accounting and bookkeeping functions. Coordinates contractual financial matters including producing all financial invoices and compliance. Supervises support personnel.
- TASK 1.4** Research Manager (RM). (A desk audit was completed: New position title: Sr. Research Scientist V) Under supervision of PAPC. Does oversight for all YKFP science and technical matters including research experiments and Science Technical Advisory Committee. (STAC). Develops, oversees and coordinates all monitoring and evaluation activities of the Project. Reviews and develops appropriate reports.
- TASK 1.5** Klickitat Subbasin Coordinator (KSC) Under supervision of PAPC. Oversees, implements and coordinates all Project activities in the Klickitat subbasin consistent with the 3 step process and subbasin plan. Coordinates M&E activities with RM and produces appropriate reports. Supervises field crews.
- TASK 1.6** Habitat Coordinator (HC). Under supervision of PAPC. Plans and implements habitat, water quality and passage improvement projects within the Yakima subbasin. Actively functions as the lead person in the acquisition of key habitat tracts within the basin.
- TASK 1.7** Data Base Manager. (DBM) Under supervision of PAPC. Designs, installs and coordinates the YKFP's data management and transfer system. Coordinates the compilation of all the monitoring and evaluation data that is generated by the Project. Maintains the 5 year data management plan.

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## **Objective 2. Policy and Planning**

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### **General Scope**

The YN will fulfill its policy and planning responsibilities through the tasks set forth below. The planning objective is to implement the YKFP's adaptive management policy by maintaining and keeping current all Project planning and operations documents. The PAPC will coordinate these functions with the co-managers, Washington Department of Fish and Wildlife, STAC and other agencies, as necessary.

### **Purpose**

The YN maintains a presence in all YKFP policy and planning activities. Through this contract, the YN, as the Lead Agency, can fulfill its' active participation Responsibilities through coordination with the Washington Department of Fish and Wildlife, the co-managers.



- TASK 2.1** YKFP Policy Group. PAPC will lead all Policy Group meetings and will develop the agenda and coordinate the monthly meetings. Arranges for accurate minutes/records to be kept for meetings. Coordinates scheduling with WDFW, BPA, and other Project personnel and agencies.
- TASK 2.2** Intergovernmental and Internal Relations. PAPC represents the YKFP in all intergovernmental relations with BPA, NPPC, WDFW and other agencies. Will coordinate internally with administration and elected officials.
- TASK 2.3** Lead Agency. PAPC coordinates with participants to assure that Lead Agency responsibilities are met.
- TASK 2.4** Project Funding. PAPC and key Project personnel develop annual Project funding proposals.
- TASK 2.5** Project Contracts. PAPC will coordinate the development and execution of all Project contracts and manage them.
- TASK 2.6** Reports. Provide quarterly reports (and monthly) for all contracts. Provide annual reports for contracts where applicable.
- TASK 2.7** NEPA AND ESA Compliance. PAPC will coordinate all NEPA related activities for the Project with Project personnel, BPA, and WDFW.
- TASK 2.8** Subcontracts. PAPC, in coordination with PC, will develop, execute and manage all subcontracts.
- TASK 2.9** Planning. PAPC, in coordination with RM, will involve key management personnel in developing all the respective plans (documents) for the Project in coordination with WDFW.

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### **Objective 3. Provide Project Financial and Administrative Support**

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#### **General Scope**

The YKFP operates under several contracts to meet its' research and production objectives as well as the data and habitat aspects of the Project. The administrative support requirements that are required to maintain compliance, both for the funding agency and the Yakama Nation are immense. The Project Coordinator is responsible for all financial/personnel contract compliance requirements in coordination with the PAPC.

#### **Purpose**

The current financial status of all the YKFP contracts is essential for effective and efficient implementation of all the contracts. Adequate support staff and structure are essential in maintaining this responsibility.

- TASK 3.1** Annual Budgets. PAPC will coordinate respective Project personnel to develop annual proposals and budgets for BPA funding.

- TASK 3.2** Contract Financial Monitoring and Compliance. PC coordinates with PAPC in assuring financial compliance with all contracts including Project sub contracts.
- TASK 3.3** Payroll Report. PC will coordinate with support personnel and develop the Payroll Report which will be submitted with quarterly reports.
- TASK 3.4** Equipment Inventory. PC coordinates with Project personnel in maintaining a current equipment Inventory list and assurance on proper insurance coverage.
- TASK 3.5** Internal Relations: PAPC and PC coordinates all operational aspects of the Project with YN Department of Natural Resources and other departments, including the Tribal Council Fish and Wildlife Committee.
- TASK 3.6** Quarterly and Annual Reports. PAPC coordinates with appropriate Project personnel in developing monthly, quarterly and annual reports for all contracts as a deliverable to BPA.
- TASK 3.7** Administrative Support. Provide appropriate Project contract support through the coordination of Project personnel and the employment of adequate personnel to meet these requirements.

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## **Objective 4. Data Processing and Information**

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### **General Scope**

Develop an overall structure for the collection and management of YKFP data, ultimately locating it in a accessible location. The system will be consistent with YKFP and regional data management guidelines and objectives. The Data team responsible for achieving this is lead by the Programmer/Database Manager.

### **Purpose**

The goal of this objective is to standardize, consolidate, centralize and make accessible all data and information that is generated by the YKFP on a timely basis.

- TASK 4.1** Consultation and Coordination. PDM will coordinate with Project scientists, personnel and agencies to assure that needs are being met.
- TASK 4.2** Information System Resources Plan (ISRP). PDM will coordinate the process of peer reviewing the ISRP and updating it. The ISRP is subject to ongoing review and approval by the YKFP.
- TASK 4.3.** Quality Control, Standardization and Storage. PDM will coordinate the development of a standardized system, supervise the collection process and coordinate with respective agencies on its' compatibility.
- TASK 4.4** Information Management and Transmission. PDM will coordinate the design of an adequate transmission system accessible to appropriate researchers.

- TASK 4.5** YKFP Internet Home Page. PDM will coordinate the development of a home page in consultation with PSMFC and other BPA fund projects. They will also maintain it after it is developed.
- TASK 4.6** Equipment Analysis. PDM will coordinate the assessment of the computer equipment needs and assist in the process to fulfill the equipment needs.
- TASK 4.7** Monitoring Yakima Subbasin Activities. PDM will coordinate with Project personnel on monitoring the data collection systems with the ability to develop efficient methods of data collection.
- TASK 4.8** Monitoring Klickitat Subbasin Activities. PDM will coordinate the development of an efficient method to access and archive all data and information for the Klickitat subbasin Project activities. The plan for monitoring and archiving Klickitat data will be incorporated into the ISRP.
- TASK 4.9** Geographic Information Systems (GIS). The team will develop decision support GIS tools and maps for the Yakima and Klickitat basins. They will link YKFP databases to GIS databases and maps based on availability and suitability of the data and on priorities set by STAC and/or the policy group.
- TASK 4.10** Reports. PDM will coordinate with PAPC in fulfilling all report requirements for this activity.

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## **Objective 5. Project Annual Review (PAR)/Quarterly and Annual Reports**

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### **General Scope**

The Project Annual Review (PAR) is a vital part of the annual review and planning cycle that contributes to the research consideration for the YKFP. The PAR consists of a series of presentations documenting the production, monitoring and evaluation objectives and results of the previous years' research projects in the YKFP. The PAR affords an opportunity for formal peer review and interaction with scientists who have a viable interest in supplementation and the resource.

### **Purpose**

The Project's goal is to schedule and conduct an annual PAR, which will include presentations from each of the task specific participants with invitations to others interested in the YKFP. The PAR will assist the Policy Group in project planning and management activities and will be made available to regional scientists through the PDM.

- TASK 5.1** Schedule. PAPC, in coordination with Policy Group and RM, will select an appropriate date and place.
- TASK 5.2** Peer Review and Planning. RM will coordinate with Policy Group in settling up PAR, including selection of Peer Reviewers. Formal agenda of presenters will be established and a formal record will be recorded for future planning purposes.

**TASK 5.3** Cataloging PAR Results. All PAR documents will be entered into the library with a copy being submitted to BPA.

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## **Objective 6. Scientific Oversight by Science Technical Advisory Committee (STAC)**

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### **General Scope**

The Science/Technical Advisory Committee (STAC) is composed of representatives From the Yakama Nation (YN) and the Washington Department of Fish and Wildlife (WDFW). STAC is responsible for the immediate oversight of all scientific aspects of the YKFP.

### **Purpose**

STAC will develop and review all pertinent scientific and technical information presented to the Policy Group for action. STAC is also responsible for the review and recommendation of the information/data that is presented at the annual PAR.

**TASK 6.1** Research Planning. The Research Manager (RM) will serve as YN's STAC representative and the lead person for STAC. STAC will plan, review and recommend all research activities for the Project.

**TASK 6.2** Project Annual Review (PAR). The RM will coordinate with PAPC in planning and facilitation of the PAR.

**TASK 6.3** Intergovernmental and Other Relations. The RM will meet and coordinate with all appropriate agencies and entities on the scientific aspect(s) of the Project.

**TASK 6.4** Project Science Documents. The RM will coordinate the development of the various scientific documents for the Project.

**TASK 6.5** Research Objectives. RM will direct all research objectives of the Project in coordination with WDFW and the PAPC.

**TASK 6.6** Monitoring Implementation Planning Teams. STAC will be directly responsible for the formulation/implementation of MIPT.

**TASK 6.7** Subbasin Planning. RM will participate in the NPPC Provincial Rolling Review and Subbasin Summary and Planning development process.

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## **Objective 7. Habitat, Water and Passage**

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### **General Scope**

The YKFP will improve and protect habitat deemed necessary to further Project objectives. The Habitat Coordinator (HC) will coordinate with the respective agencies, committees and groups on matters pertaining to habitat, water resources and fish passage matters within the Yakima subbasin.

## **Purpose**

The YKFP's Ecosystem Diagnostic and Treatment (EDT) analysis will provide information related to habitat projects that will improve salmonid production in the Yakima and Klickitat subbasins. The Klickitat subbasin habitat related matters will be handled by the biologist assigned to that subbasin under the Monitoring and Evaluation contract.

- TASK 7.1** Yakima Basin Technical Advisory Group. Habitat Coordinator (HC) will coordinate with YN representative on implementation of Title XI, P.L. 103-434.
- TASK 7.2** Fish Passage: HC will provide/coordinate the biological input for the design and construction of fish passage and protective facilities for the YKFP. Will also coordinate 'Safe Access' passage projects.
- TASK 7.3** Intergovernmental and Other Relations. HC will coordinate with all agencies on matters affecting fish habitat and passage in the Yakima subbasin.
- TASK 7.4** Projects and Laws Affecting the YKFP. HC will monitor, review and provide comment on projects that may affect fish habitat and passage in the Yakima subbasin.
- TASK 7.5** Watershed Restoration Forums. HC will monitor and provide input to appropriate watershed restoration forums to ensure that decisions reflect the goals of the YKFP.
- TASK 7.6** Coordination With Funding Agencies. HC will coordinate with appropriate funding agencies regarding habitat-related projects in Yakima subbasin.
- TASK 7.7** Habitat Improvement Projects. HC will plan and implement habitat improvement projects consistent with the Yakima Subbasin Summary.
- TASK 7.8** Endangered Species Act. HC will monitor activities relative to the Endangered Species Act.
- TASK 7.9** Land Securing and Oversight. HC provides leadership in securing biological strongholds for fish and management plans.

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## **Objective 8. Sub-Contracts for Needed Services.**

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### **General Scope**

The YKFP is a diverse Project has service needs that are best served through a contractual arrangement. It has proven to be very beneficial to employ the services of personnel who not only have a specialized area of expertise but are also distinctly familiar with the YKFP.

The YN will contract with qualified personnel, agencies or firms that possess the abilities to meet specific service requirements of the YKFP. The YN will negotiate and execute a personal services contract and/or agreement and monitor the services, once implemented.

**SUB-CONTRACT 8.1.**

Policy/Legal Analyst. (PLA) Develop/Implement a contract with PLA to provide needed services in the areas of management, labor, NEPA/SEPA, local/state permitting requirements, document review and general contract law.

**SUB-CONTRACT 8.2**

Science Technical Advisory Committee (STAC). Core representation on STAC is YN Research Manager and a representative from WDFW. STAC coordinates, recommends all technical/scientific matters for the YKFP. They also coordinate all the Monitoring and Evaluations activities of the YKFP. Make recommendations to the PG for decisions and can recommend/request to contract essential personnel or services for STAC requirements.

**B-CONTRACT 8.3**

YKFP Technical Writer. Develop/Implement a contract to employ the continued services of Crossing The Borders, a technical writer, to assist in the annual revision and long-term maintenance of various YKFP documents, including the PSR's for the preferred species.

**TABLE 2. LIST BY NUMBER OF PROJECT PERSONNEL/TITLE/RESPONSIBILITIES UNDER THIS CONTRACT.**

<b>Number/Name</b>	<b>Position Title/Responsibility Summary</b>
1. Melvin R. Sampson	Policy Analyst/Project Coordinator: Responsible for Overall Project oversight/implementation/coordination.
2. Dr. Dave Fast	Research Manager: Responsible for immediate oversight/development of all technical/scientific matters for the Project. Takes lead with STAC.
3. Scott Nicolai	Habitat Coordinator: Plans and implements habitat and water quality improvement projects within basin, including land purchases. Monitors other agencies/entities related activities within basin and represents YN in related forums/meetings.
4. William Sharp	Klickitat Basin Coordinator. Responsible for the immediate planning, development, implementation of all species and habitat restoration within basin consistent with the NPPC three step process.
5. William Bosch	YKFP Data Manager: Designing, installing and managing a data management and transfer system for all of the YKFP data, including the Klickitat basin.
6. David Lind	YKFP Co-Data Manager, Part Time: Design, install and assist in managing a data management and transfer system for all of the YKFP data, including the Klickitat basin.
7. Paul Huffman	Data Systems Specialist (GIS); Creates geographic information systems (GIS) to analyze and manage fish habitat and populations. Develops GIS as a management and decision-support system for the Project. Develops and maintains tools for the YKFP project web site.
8. Irene James	Data Management Technician: Assists in the development of Geographic Information System (GIS). Enters geographic data via keyboard, downloads data from GPS units, data loggers and the Internet Prepares plots, illustrations and other types of output. Assists Project staff members in using the GIS. Currently 0.5 FTE.
9. Michael Babcock	YKFP Assistant Data Manager: Design, install and assist in managing a data management and transfer system for all Klickitat basin YKFP data.
10. Adrienne Wilson	Project Coordinator: Responsible for all accounting, bookkeeping, budget, invoicing and reporting duties for the YKFP, including budget(s) development and modification. Supervises all Project financial and clerical support personnel.
11. Darlene Eyle	Bookkeeper IV : Responsible for varied bookkeeping tasks; cuff accounts, preparing financial documents, purchase orders, journal entries, travel authorizations, quarterly reports; responsible for processing sensitive documents and records. Coordinates with YN administration, the formal processing of Project/Fisheries documents in a timely manner.

<b>Number/Name</b>	<b>Position Title/Responsibility Summary</b>
<b>12.</b> Charlotte Bennett	Bookkeeper II. Accounts Payable, responsible for processing payments on a timely basis. Assure correct fund and projects numbers are used. Post to cuff accounts as needed.
<b>13.</b> Rachel Castilleja	Bookkeeper IV: Responsible for varied bookkeeping tasks; cuff accounts, preparing financial documents, purchase orders, journal entries, travel authorizations, quarterly reports; responsible for processing sensitive documents and records. Coordinates with YN administration, the formal processing of Project/Fisheries documents in a timely manner.
<b>14.</b> Ida Sohappy-Ike	Bookkeeper IV: Responsibilities same as number 10.
<b>15.</b> Susan Tynan	Bookkeeper III: Responsible for monitoring several accounts for: payroll, report developing/reconciliation; employee timesheet verification; Payroll Action processing; maintain sensitive/capital equipment inventory w/assurance of proper insurance; coordinates with Project Biologists/personnel; and assists in coordinating Project Annual Review.
<b>16.</b> Denise Dill (temp)	Accounts Payable/Librarian: Responsible for librarian, secretarial, receptionist, accounts payable, accounts receivable and related tasks. Primarily assigned to the Nelson Springs office.
<b>17.</b> Carol S. Speedis	Office Assistant V: Responsible for maintaining log of all documents that leave the YKPF office to keep a record of location of Grants/Contracts, reports, letters, sub-contracts etc. Coordinates with YN administration, the formal processing of Project documents in a timely manner. Currently assigned duties of recording/transcribing Policy Group meeting minutes. Other duties as assigned
<b>18.</b> All Personnel	Number <b>16</b> will be used in <b>Chart # 3</b> when all Project personnel are involved in that respective Task.
<b>Sub-Contracts:</b>	
<b>19.</b> Pat Spurgin	Policy/Legal Analyst, (PLA): Provides technical assistance in areas of management, labor, NEPA/SEPA, permitting, document review and general contract law.
<b>20.</b> YN&WDFW	Science Technical Advisory Committee: Responsible for Representatives of Project technical and scientific activities including the monitoring and evaluation. May contract for special needed services and personnel for given situations as they may determine.
<b>21.</b> Judith L Woodward	YKFP Technical Writer: Provides the technical writing skills in the development, revision and long-term maintenance of YKFP documents that track the evolution of the Project. Will convert some document formats to serve as the master plan for certain specific species.



**TABLE 3. PERCENT AND STATUS OF COMPLETION FOR THE OBJECTIVES/TASKS.**

Percent and status of completion for the Objectives/Tasks of the YKFP Management, Data, and Habitat, Project 1988-120-25, with the performance period of April 1, 2004 through April 30, 2005. Where necessary, footnotes will be utilized to address specific circumstances. F=field or lab work, O=Office Work; See Table #2 for correlation of numbers for Personnel. The respective aggregate % of completion per Task is in parenthesis. Where there is both Field and Office activity, the aggregates need to be combined to determine full % of completion.

Obj./Task	1 <sup>st</sup> Quarter April - June		2 <sup>nd</sup> Quarter Jul – Sept		3 <sup>rd</sup> Quarter Oct - Dec		4 <sup>th</sup> Quarter Jan - Mar		Personnel
	%F.	%O.	%F.	%O.	%F.	%O.	%F.	%O.	
<b>Obj. 1</b>									
Task 1.1		25		25(50)		25(75)		25(100)	15,16
1.2	5	20	5(10)	20(40)	5(15)	20(60)	5(20)	20(80)	1,2,3,4,5,9
1.3		25		25(50)		25(75)		25(100)	15
1.4	10	15	10(20)	15(30)	10(30)	15(45)	10(40)	15(60)	1,2,4,5,19,16
1.5	10	15	10(20)	15(30)	10(30)	15(45)	10(40)	15(60)	2,1,4,16
1.6	15	10	15(30)	10(20)	15(45)	10(30)	15(60)	10(40)	3,1,2,11
1.7	5	20	5(10)	20(40)	5(15)	20(60)	5(20)	20(80)	1,2,5,6,7,8
<b>Obj. 2</b>									
Task 2.1		25		25(50)		25(75)		25(100)	1,2,3,4,5,16,14
2.2		25		25(50)		25(75)		25(100)	1
2.3		25		25(50)		25(75)		25(100)	1,2,9,16
2.4		25		25(50)		25(75)		25(100)	15
2.5	5	20	0(5)	25(45)	5(10)	20(65)	5(15)	20(85)	15,16
2.6		25		25(50)		25(75)		25(100)	1,2,3,4,5,9
2.7		100		0(100)		0(100)		0(100)	1,2,3,4,16
2.8		45		55(100)		0(100)		0(100)	1,2,9,16,19
2.9		25		25(50)		25(75)		25(100)	15,16,19
<b>Obj. 3</b>									
Task 3.1		30		0		30(60)		40(100)	15
3.2		40		25(65)		10(75)		25(100)	9,10,11,12,13
3.3		15		15(30)		45(75)		25(100)	12,9
3.4		40		15(65)		10(75)		25(100)	11,15
3.5		25		15(40)		25(65)		35(100)	1,9
3.6		25		25(50)		25(75)		25(100)	15
3.7		25		25(50)		25(75)		25(100)	1,9,10,11,12,13
<b>Obj. 4</b>									
Task 4.1		25		25(50)		25(75)		25(100)	5,6,7,9
4.2		0		0		0		100(100)	5,6,7,9
4.3		25		25(50)		25(75)		25(100)	5,6,7,9
4.4		25		25(50)		25(75)		25(100)	5,6,7,9
4.5		25		30(55)		20(75)		25(100)	5,6,7,8,9
4.6		25		25(50)		25(75)		25(100)	5,6,7,9
4.7	5	20	5(10)	20(40)	5(15)	20(60)	5(20)	20(80)	5,6,7,8
4.8	5	20	5(10)	20(40)	5(15)	20(60)	5(20)	20(80)	5,6,7,8,9
4.9		25		25(50)		25(75)		25(100)	5,7,8,9
4.10		25		25(50)		25(75)		25(100)	5,6,7,8,9

<sup>1</sup> While personnel 7, Data systems specialist (GIS) is not referenced in any of the task descriptions relative to this objective, the individual in this position has broad experience and plays a key support role in: network and systems administration and maintenance; web site design, development, administration and maintenance; data backup, storage and PC anti-virus maintenance; and in development of decision support GIS tools and maps for the Yakima/Klickitat basins. The data management technician provides GIS and technical support for tasks 4.4, 4.8, and 4.9.

Percent and status of completion for the Objectives/Tasks of the YKFP Management, Data, and Habitat, Project 1988-120-25, with the performance period of April 1, 2004 through April 30, 2005. Where necessary, footnotes will be utilized to address specific circumstances. F=field or lab work, O=Office Work; See Table #2 for correlation of numbers for Personnel. The respective aggregate % of completion per Task is in parenthesis. Where there is both Field and Office activity, the aggregates need to be combined to determine full % of completion.

Obj./Task	1 <sup>st</sup> Quarter April - June		2 <sup>nd</sup> Quarter Jul – Sept		3 <sup>rd</sup> Quarter Oct - Dec		4 <sup>th</sup> Quarter Jan - Mar		Personnel
	%F.	%O.	%F.	%O.	%F.	%O.	%F.	%O.	
<b>Obj. 5</b>									
Task 5.1		100		0(100)		0(100)		0(100)	1,2,3,4,5
5.2		100		0(100)		0(100)		0(100)	15
5.3		75		25(100)		0(100)		0(100)	15
<b>Obj. 6</b>									
Task 6.1		30		20(50)		25(75)		25(100)	2,1,4,5,6
6.2		100		0(100)		0(100)		0(100)	2,1,5,6,
6.3		30		20(50)		25(75)		25(100)	2,1,4,5,6
6.4		50		10(60)		20(80)		20(100)	2,1,4,5,6
6.5		30		20(50)		20(70)		30(100)	2,1,4
6.6		25		25(50)		25(75)		25(100)	2,1,4
6.7		40		10(50)		40(90)		10(100)	2,1,3,5
<b>Obj. 7</b>									
Task 7.11		5		0(5)		5(10)		90(100)	3
7.2		25		10(35)		10(45)		55(100)	3
7.3		20		10(50)		25(75)		25(100)	3
7.4		40		25(50)		25(75)		25(100)	3,1
7.52		25		25(50)		25(75)		25(100)	3
7.6		25		25(50)		25(75)		25(100)	3
7.7		40		20(60)		20(80)		20(100)	3
7.8		0		0(0)		0(0)		100(100)	3,2
7.9		10		20(30)		30(60)		40(100)	3
<b>Obj. 8</b>									
SC 8.1		25		25(50)		25(75)		25(100)	1,2,16
SC 8.2		0		0		0		0	1,2
SC 8.3		15		15(30)		20(50)			1,2,4,20

1 This task isn't currently being implemented; the YRBWEP group is not currently meeting.

2 This is an ongoing effort with no foreseeable start or end point. Also applies to Tasks 7.6 through 7.10.

# **Yakima Klickitat Fisheries Project**

## **ATTACHMENT A - INFORMATION SYSTEM MANAGEMENT PLAN (ISMP)**

**March 2005**

**Bill Bosch, David Lind, and Paul Huffman  
Project Data Managers  
Nelson Springs Office  
771 Pence Road  
Yakima, WA 98902**

**Updated March, 2005**

# **YKFP Information System Management Plan (ISMP)**

## **1. Overview**

The Yakima Klickitat Fisheries Project (YKFP) was originally conceived by the Northwest Power Planning Council in 1982 to enhance fisheries in the Yakima and Klickitat River Basins. YKFP personnel include employees of the Yakama Nation (YN), the Washington Department of Fish and Wildlife (WDFW), and the Bonneville Power Administration (BPA). Some project work is also contracted out to agencies such as the National Marine Fisheries Service (NMFS) and the University of Washington. While this report includes some discussion of Klickitat Basin data management activities, Klickitat-basin specific activities will be addressed in more detail in planning and reporting documents being developed under that separate YKFP contract.

Yakima Basin project work sites are located throughout the state of Washington, including the Roza Dam juvenile and adult monitoring facility, the Chandler and Prosser juvenile and adult monitoring facilities, the Cle Elum fish hatchery and associated acclimation sites, YN project offices in Toppenish and at Nelson Springs, and WDFW offices in Olympia, Yakima, and Ellensburg.

Since the beginning of the YKFP, vast amounts of data and reports have been generated covering all aspects of the project. Different project personnel have assumed responsibility for maintaining and updating data corresponding to the aspect(s) of the project they are focusing on. Historically, these data have been stored in a variety of formats at the various project offices and work sites. Data have been shared via disk and electronic mail transfers.

Given the volume of data generated by this project, the YKFP recognized a vital need to organize and consolidate all of the project data into a cohesive network. At a minimum, such a network would allow:

- standardization of data input and storage,
- rigorous data validity and error checking,
- access by appropriate project personnel for data entry, edit, and analysis purposes to all appropriate data in the YKFP database,
- assurance that all project personnel are working with the same data, and
- consistent and regular backups of all vital project data.

The Yakama Nation, as the lead agency for the YKFP and pursuant to the project contract, has been working since 1999 to accomplish the above objectives, and has developed this Information System Management Plan (ISMP) to guide the YKFP's efforts to organize, consolidate, and make accessible all of the project's data. This plan is updated on a regular basis to incorporate changing project needs and is subject to ongoing review and approval by the Policy Group.

## **2. YKFP Information System Objective**

The main objective of the project database is to facilitate the assessment of the YKFP's progress towards achieving its stated purpose, which is "to test the assumption that new artificial production can be used to increase harvest and natural production while maintaining genetic resources" (NPPC 1990). To accomplish this objective, the database must:

- incorporate all of the data necessary to test the project assumption,
- ensure that the data are accurate,
- provide access to a fairly lengthy time series of data,
- allow analysis of related variables, and
- allow the data to be shared.

### 3. Project Data Summary and Current Status

#### 3.1 Hatchery Operations: River, well, and rearing/adult-holding pond temperature and flow data.

##### 3.1.1. Cle Elum Supplementation and Research Facility (CESRF)

Background: Hardware and software engineers from the consulting firm CH2M HILL were contracted to build a system to track temperature and flow data from: river water, well water, juvenile rearing ponds, and adult holding ponds at the Cle Elum Supplementation and Research Facility (CESRF) and/or at the acclimation sites. This system was implemented on two mirrored Windows NT systems using a third party software system called “Wonderware Factory Suite”. The system maintains data in a series of log files. In 2000, this system was upgraded to copy data from the Wonderware log files to a series of tables in Microsoft Access.

Data Status: The system was implemented when the CESRF went on-line in the fall of 1997. CESRF data from September of 1997 through August of 2000 are available in Wonderware log file format on a series of backup “Jaz” cassette tapes. CESRF data from September of 2000 to present are available in a series of tables within a Microsoft Access database on the mirrored Windows NT machines at the CESRF. Data management staff have developed an interface to the CESRF hatchery operation data in this Access database and have used it to report monthly minimum, maximum, and average CESRF rearing pond temperatures for all broods since April of 2001. Data management staff have also developed routines to report quarterly water usage for hatchery operations from these databases to the Washington State Department of Ecology. Data management staff are now backing up this Access database of water reporting information to offsite storage media on a monthly basis. Hatchery operations data for the acclimation sites are managed under the Hatchery operations and maintenance contract.

In 2003, Technical Systems Incorporated (TSI) was contracted to maintain this system, including all physical systems hardware components, the five data capture personal computers at Cle Elum and the three acclimation sites, the Wonderware software, and the interface between the Wonderware software and the Microsoft Access storage database. Pursuant to recommendations from TSI, hardware and software upgrades to these data capture computers have been planned and budgeted for within the next fiscal cycle.

##### 3.1.2 Prosser Hatchery Facilities

There presently are no automated systems for collecting these types of data at the Prosser Hatchery. Some of these data may be collected manually and recorded on paper and/or electronically. Data management staff will assess the status of these data at the Prosser facilities, and if available, develop a plan for managing these data. This will be considered a lower priority task.

##### 3.1.3 Klickitat Hatchery

The Klickitat Hatchery is in the process of being transitioned to the YKFP. The Klickitat data manager will be involved in the transition process to ensure that plans are in place for the collection and management of hatchery operations (temperature and flow) data where necessary and applicable.

#### 3.2 Gravel-to-Gravel Accounting: Adults collected, eggs spawned, egg survival, fry survival, marking groups, releases, juvenile outmigration survival, adult harvest, adult dam counts, and natural spawners.

##### 3.2.1 Yakima River Spring Chinook

The data management team has developed a comprehensive system for collecting and warehousing all of the data relating to CESRF and naturally produced spring chinook in the Yakima River. Figure 1 shows the life cycle diagram from a data management perspective. The process begins at Roza Dam with adult returns in the spring of Year 1. A representative subsample of returning natural (unmarked) fish are collected for broodstock and these fish are PIT tagged for tracking through the spawning process. Returning CESRF fish are sampled for marks and biological data. All of these data are entered into an Access database (RozaCollect.mdb) at Roza. This database is backed up weekly and transferred to Nelson Spring for further processing. At the end

of the collection season, data from returning CESRF fish are transferred to the recapture database (RozaRecap.mdb). Broodstock fish are transferred from Roza into the adult holding ponds. Mortality data from adult holding is recorded in the spawning database at Cle Elum (CleElumEntry.mdb). The Cle Elum spawning database is linked to Roza collection data via the PIT tag inserted into these fish at collection time. Data from the spawning and early rearing process (adult spawners and egg-to-fry stage) at Cle Elum in the late fall of Year 1 and winter of Year 1-2 are entered into CleElumEntry.mdb as well. A link is created between female spawner identifiers and egg incubation troughs and trays. Fish are generally ponded in April of Year 2 and a link is created between egg/fry incubation trays and rearing ponds. Juvenile growth and survival history data are recorded by pond in a rearing database (Rearing.mdb) from ponding through release from the acclimation sites. This database includes marking data entered in the late fall of Year 2, quality control data in the winter of Year 2-3, and transfer to the acclimation sites in the early part of Year 3. Once fish are released from the acclimation sites, coded-wire tag data for these releases are transferred to the Regional Mark Information System (RMIS) database maintained by the Pacific States Marine Fisheries Commission (PSMFC). Juvenile PIT tag detections from release at the acclimation sites through outmigration through the Yakima and Columbia hydrosystem projects are captured and transmitted to the regional PIT tag database (PTAGIS) at the PSMFC. At the Chandler smolt facility data from PIT detections are combined with Bureau of Reclamation (BOR) flow data and trapping rates to estimate total juvenile smolt passage at Chandler. Fish then enter the ocean phase of their life cycle. Upon adult return to the Columbia and Yakima River systems, harvest data are collected and any marked (CWT or PIT) recaptures are submitted to RMIS and PTAGIS. Harvest monitoring data are sufficient to estimate total harvest by fishery (sport and tribal) and type (marked/CESRF or unmarked/natural). CESRF mark/recapture data from the fisheries and/or Roza Dam sampling can be used to estimate CESRF harvest by pond of release and these data are stored in the RozaRecap database. Adult PIT detections at Columbia hydrosystem projects and at the Roza Dam sampling facility are also captured and submitted to PTAGIS. Once at Roza, the process begins all over except for the naturally spawning escapement. Data from spawning ground surveys (redd counts, marks, and bio-sample data) are recorded in a SpawnTiming (redd count by reach and date) database and a SpawnSurveyMaster (mark and bio-sample data) database. Since these data include data from Geographic Position Sensing (GPS) equipment, Geographic Information System (GIS) maps of spawning locations and densities can be produced.

Figure 2 shows the steps involved in moving these data from the on-site data capture systems to the project's data warehouse on the internet web site. Appendix A gives a description of all the files and data maintained in the spring chinook data warehouse (<http://www.ykfp.org/datawh/>). It is the intent of the data management team to transition the data warehouse to a more easily maintained database that is accessible via a query-interface on the project website. The team is still consulting with other regional data managers and researching the tools necessary to implement such a system. This is viewed as a high-priority, but long-term task.

In lieu of this task, the data management team has been working with the YKFP Monitoring and Implementation Planning Team (MIPT) to develop a comprehensive summary report of all data relating to the CESRF and spring chinook monitoring and evaluation activities in the Yakima Basin. This report will contain a number of tables and figures documenting available data collected about Yakima Basin spring chinook including:

- Adult-to-adult survival,
- Annual run size and escapement,
- Adult traits (e.g., age composition, size-at-age, sex ratios, migration timing, etc.),
- Reproductive statistics (e.g., fecundity, egg size, fertility, etc.),
- Juvenile survival (egg-to-fry, fry-to-smolt, smolt-to-smolt, and smolt-to-adult),
- Juvenile traits (e.g., length-weight relationships, migration timing, etc.), and
- Harvest impacts.

We expect this report to be included as an appendix to the 2004 YKFP M&E annual report.

### *3.2.2 Yakima River Coho*

The data management team has developed and is maintaining Microsoft Access applications to document: adult returns to Prosser, Roza, and Cowiche dams (in conjunction with the video

monitoring team); adult broodstock collections at the Prosser Denil trap; adult broodstock holding mortalities at the Prosser hatchery; and radio telemetry data tracking adult returns to their spawning destinations. The team has begun to assemble a database of historical release data from existing paper and electronic records giving: date of release, location of release, number of fish released, CWT code(s), number of PITs in release, source of fish released, external marks, and comments about the release. The team will also assemble historical redd count data from available records. The collection of these data will allow a complete gravel-to-gravel (release to adult return) accounting of hatchery and natural coho in the Yakima system and will provide a more easily accessed and reliable data source for additional analyses on Yakima River coho. This is an ongoing task.

### *3.2.3 Yakima River Fall Chinook*

The data management team has developed and is maintaining Microsoft Access applications to document adult returns to Prosser dam (in conjunction with the video monitoring team). The team is also maintaining a tally of annual releases, Chandler smolt counts, adult and jack returns to Prosser, and Marion Drain redd counts. These data are available for the years 1983 to present. The team will develop a more comprehensive system for tracking data relating to Yakima River fall chinook pursuant to guidelines in the fall chinook master plan which is now being developed. This is an ongoing task.

### *3.2.4 Yakima River Steelhead*

The data management team has developed and is maintaining Microsoft Access applications to document: adult returns to Prosser, Roza, and Cowiche dams (in conjunction with the video monitoring team); adult collections and releases at the Prosser Denil trap; adult reconditioning mortalities and releases at the Prosser hatchery (in conjunction with the kelt reconditioning program); and radio telemetry data tracking adult returns to their spawning destinations. The team is also maintaining a tally of annual Chandler smolt counts, adult returns to Prosser, adult harvest, and available redd count data. These data are available for the steelhead return years 1983-84 to present. The team will develop a more comprehensive system for tracking data relating to Yakima River steelhead pursuant to guidelines in the steelhead master plan which is now being developed. This is an ongoing task.

### *3.2.5 Klickitat River Spring Chinook*

A comprehensive database of gravel-to-gravel accounting data (hatchery juvenile releases; harvest; estimated total adult returns; hatchery brood and natural spawning escapement; and brood-cohort relationships) is currently being maintained by WDFW staff out of Vancouver Washington. The Yakama Nation conducts annual harvest and spawning survey sampling/monitoring activities for spring chinook in the Klickitat Basin and these data are communicated to the WDFW for incorporation into this database. The data management team (Klickitat data manager) will assume responsibility for the further development and maintenance of this database as part of the Klickitat Hatchery transition process. Additional databases will also be developed to accommodate spring chinook activities described in the newly developed Klickitat Basin Master Plan.

### *3.2.6 Klickitat River Coho*

Data on harvest, redd counts, and estimated returns have been developed into a preliminary run reconstruction data set for Klickitat River coho and included in the draft Master Plan. With the development of a draft Master Plan for the Klickitat Basin, the data management team can now focus on developing a more comprehensive system for tracking and managing data relating to Klickitat River coho consistent with monitoring and evaluation needs described in the Master Plan.

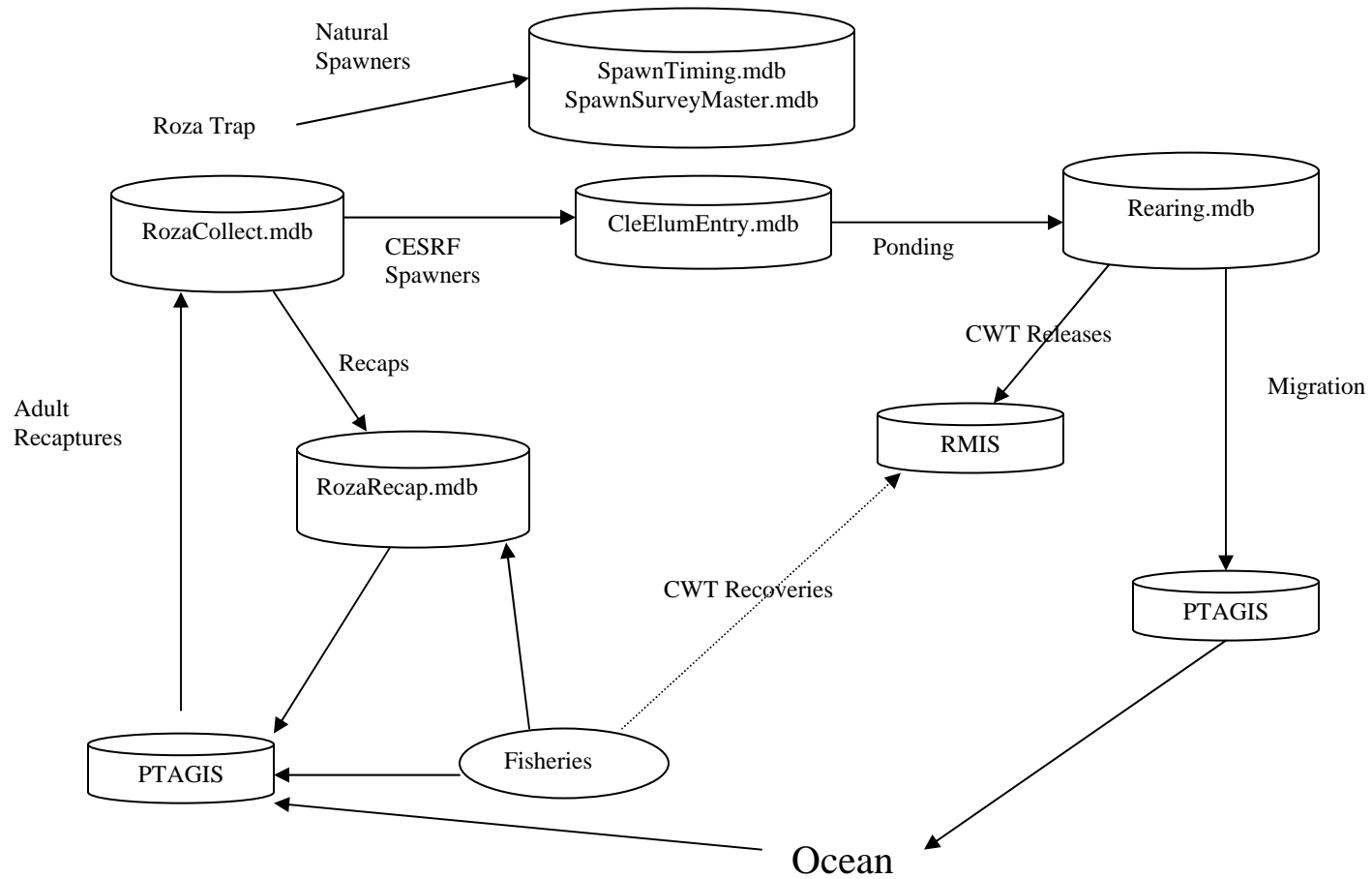
### *3.2.7 Klickitat River Fall Chinook*

Data on harvest, redd counts, and estimated returns have been developed into a preliminary run reconstruction data set for Klickitat River fall chinook and included in the draft Master Plan. With the development of a draft Master Plan for the Klickitat Basin, the data management team can now focus on developing a more comprehensive system for tracking and managing data relating to Klickitat River fall chinook consistent with monitoring and evaluation needs described in the Master Plan.

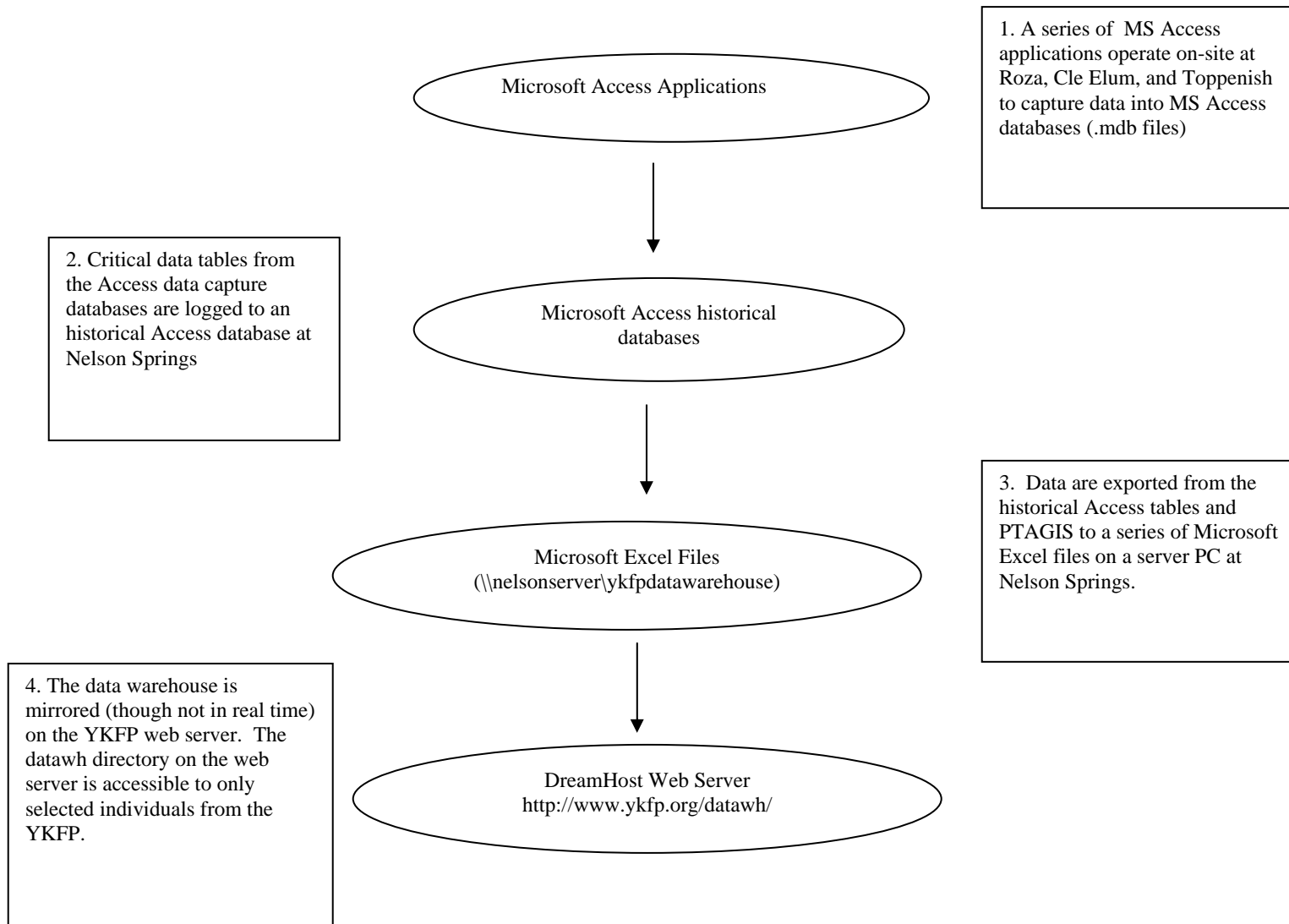
### *3.2.8 Klickitat River Steelhead*

Data on harvest, redd counts, and estimated returns have been developed into a preliminary run reconstruction data set for Klickitat River steelhead and included in the draft Master Plan. The Yakama Nation conducts annual harvest and spawning survey sampling/monitoring activities for steelhead in the Klickitat Basin but the spawning survey data are not comprehensive. With the development of a draft Master Plan for the Klickitat Basin, the data management team can now focus on developing a more comprehensive system for tracking and managing data relating to Klickitat River steelhead consistent with monitoring and evaluation needs described in the Master Plan. This work will be done in cooperation with the WDFW office in Vancouver, Washington which also maintains a data set on Klickitat Basin steelhead.





**Figure 1. Yakima River Spring Chinook Data Flows**



**Figure 2. Yakima River Spring Chinook Data Capture and Archiving.**

### **3.3 Genetics: DNA samples (results of electrophoretic analyses).**

These data are maintained by other agencies (mainly the WDFW and to some extent, the National Oceanographic and Atmospheric Administration Fisheries [NOAA Fisheries]). For the Yakima, these data sets include several years of data on spring chinook and some limited steelhead information. A DNA sample database for Yakima River coho is being developed from samples taken in recent years. For the Klickitat these data sets include electrophoretic analysis data for steelhead, spring chinook (hatchery and natural production), and summer/fall chinook (natural production). The YN has also contracted with the Columbia River Inter-Tribal Fish Commission (CRITFC) to run 320 DNA samples of steelhead smolts and a few wild adults in the Klickitat River. These data were collected in 2000-2002. Preliminary analysis of these data has concluded. There is a need in the long-term to integrate these data sets into the data that eventually will be, or should be, accessible via the YKFP website.

### **3.4 Habitat parameters: ecosystem diagnosis and treatment (EDT) data.**

#### *3.4.1 Yakima River*

The YKFP contends that EDT computer modeling accurately integrates habitat quantity, quality, and life history data and can be used to evaluate alternative enhancement strategies. It is the present intent of the YKFP to continue to use EDT modeling throughout the project to: model the statistical power of reproductive success study designs, domestication study designs, treatment/control experimental designs, etc.; design complementary supplementation and/or habitat enhancement programs for targeted stocks; diagnose the fundamental environmental factors limiting natural production; and to estimate relative improvements in production attributable to alternative enhancement strategies. These data and associated models will be maintained by YKFP project staff in cooperation with Mobrand Biometrics. The data management team recommends that the policy group give guidance as to whether there is a need in the long-term to integrate EDT modeling data into the data that eventually will be, or should be, accessible via the YKFP website.

A database of field habitat survey data for some of the smaller creeks in the lower Yakima River watershed was also produced from existing Quattro data files as described in 3.4.2 below.

#### *3.4.2 Klickitat River*

Data from field habitat surveys conducted in the Klickitat River Basin from 1996 to present were originally stored in Quattro spreadsheet forms. This format does not allow automated queries of the historical data. The MS Access habitat survey system developed by the Northwest Indian Fish Commission was reviewed and determined not to be flexible enough to meet long-term requirements for YKFP habitat survey data storage and retrieval. The existing Quattro data were reviewed and a MS Access database was designed and developed to store existing habitat survey data and to input new data. Routines were developed to load data from the existing Quattro files into this database. This database is now being routinely maintained and updated out of the Klickitat Basin Wahkiacus field office.

The habitat survey data in this database will feed directly into EDT modeling efforts for the Klickitat Basin. The MS Access database of Klickitat habitat survey information has also been successfully integrated as a front-end to a Geographic Information System (GIS) database. It is now possible for project personnel to produce maps showing, for example, all of the stream segments in the Klickitat Basin having a canopy cover measurement less than a certain value. These kinds of maps can be extremely valuable in making decisions regarding priorities for habitat improvement projects. They also have many other valuable uses.

The data management team will continue to work with field biologists in the Klickitat Basin to maintain and upgrade this database.

### **3.5 Ecological interactions: predator/prey relationships, capacity issues, etc.**

Predation and ecological interactions data are being collected cooperatively by both of the YKFP's co-management agencies, the WDFW and the YN. Both data sets are being stored primarily in Microsoft Access databases, but each agency is maintaining a separate database. The data management team has reviewed these databases for consistency and compatibility.

For the YN Access database, the data management team has developed data entry forms and tables to standardize and warehouse data from Yakima River predation studies. The YN database now contains all of the data for monitoring seasons from 1999 to present. A more flexible query system was also developed within this database, and the database framework is being expanded to include analysis and reporting functions.

It is probable that the project could benefit by merging the WDFW and YN databases in the future. This would promote data and software sharing, data compatibility, comprehensive data analyses, etc. However, a process has not yet been identified for doing so. This will continue to be pursued as a lower-priority data management task.

Downstream detections of PIT-tagged coho used in predator avoidance tests were submitted to PTAGIS and queries were developed to assist in the analyses of these data.

### **3.6 Digital photographs**

The YKFP's CESRF spring chinook program is generating gigabytes of digital photographs of broodstock spring chinook that are spawned at the CESRF. Biologists determined that photographs of fish at Roza Dam were not of sufficient quality to use for morphometric analyses and Roza Dam photos were discontinued in 2003. The project is also generating digital photographs for other purposes. The data management team is researching ways to meet the long-term storage and dissemination requirements for these digital photographs. The team tried posting the 2001 brood photographs on our public website, but found that data storage costs through our site provider would be too high for this kind of infrequently retrieved data. The team is evaluating some third-party photo compression software (MrSid Photo and MrSid Server) to reduce the storage requirements or improve availability of these compressed images by making them available to a web browser. A test batch of photographs in JPEG format reduced storage requirements by 80%, with no apparent loss of data. The data management team will continue to pursue this need as a lower-priority task.

### **3.7 Technical reports and publications**

The WDFW has provided the data management team with a CD of technical reports and papers published by the WDFW Ecological Interactions team. The data management team has developed an area on the project web site, available to the general public, where links to project reports and publications are available for others to view and download. Other reports and publications (either historical or future) will be posted to this portion of the website as they become available. The team is continuing to develop and maintain a database that stores the information necessary to allow quick retrieval of these YKFP technical reports and publications from various locations via the internet.

## **4. Hardware/Software Platform**

Based on a review of available options, the data management team determined that Microsoft Windows-based PCs, Microsoft network software, and Microsoft Access database management (in combination with Visual Basic programming modules) software should be used in the first phase of implementing a YKFP information system to transition from existing data structures to a system of networked relational database structures. Microsoft Access has allowed the data management team to begin implementation of this ISMP in the most

timely fashion. This has been critical to developing and maintaining the integrity of project data. Other factors supporting this recommendation are:

- consistency with YKFP / BPA use of other MS products (Word, Excel, etc.),
- ease of integration with existing data (primarily Excel), and
- familiarity of the data management team and other project scientists with Microsoft products and Access.

Given the large volume of users working with Microsoft products and the fact that a product already exists to extend the functional capacity of Access (MS SQL Server), the data management team is confident that Access can meet the needs of the YKFP at least for the foreseeable future. This determination to use Microsoft Access should be evaluated on a regular basis to ensure that it continues to meet long-term project needs. Alternative products should be investigated and implemented as required.

## **5. Project Network Overview**

Figure 3 presents an overview of YKFP data management networking requirements. Project data will be stored in a number of host/server databases and at a number of locations. For example, ecological interaction and habitat data might be stored in Ellensburg, with adult survival and return, adult spawning, and cohort monitoring data stored at project headquarters (currently Nelson Springs), and genetics data stored in Olympia. Historic data on the host/server databases will be updated on a regular basis with in-season data collected from satellite facilities (e.g., Cle Elum, Roza, Prosser/Chandler, Toppenish, etc.). Data will be retrieved from the host/server databases via a query interface on the project web site. Web site users would, of course, have read-only access to project data and access to certain data may be limited to subsets of users.

## **6. Project Web Site**

The data management team is currently contracting with DreamHost to host the YKFP web site ([www.ykfp.org](http://www.ykfp.org)). As noted previously, the efforts of the data management team to date have focused on building and maintaining a series of Access database systems for capturing project data. The team has not made progress on the development of an automated web-based data retrieval system tied directly to the data in these Access databases due to the amount of time required for the current data management team to fulfill existing duties and to learn and develop these tools. Because of this lack of progress, the team developed an organized system of Microsoft Excel files as an interim data warehousing strategy. These Excel files, for the most part, contain raw data dumps of data maintained in existing Access databases (see Appendix A). In addition, the data management team has played an integral role in the development of a comprehensive report relating to YKFP spring chinook work (see 3.2.1). Figure 4 is a graphical display of the data management processes for serving these and other project related data via the YKFP web site.

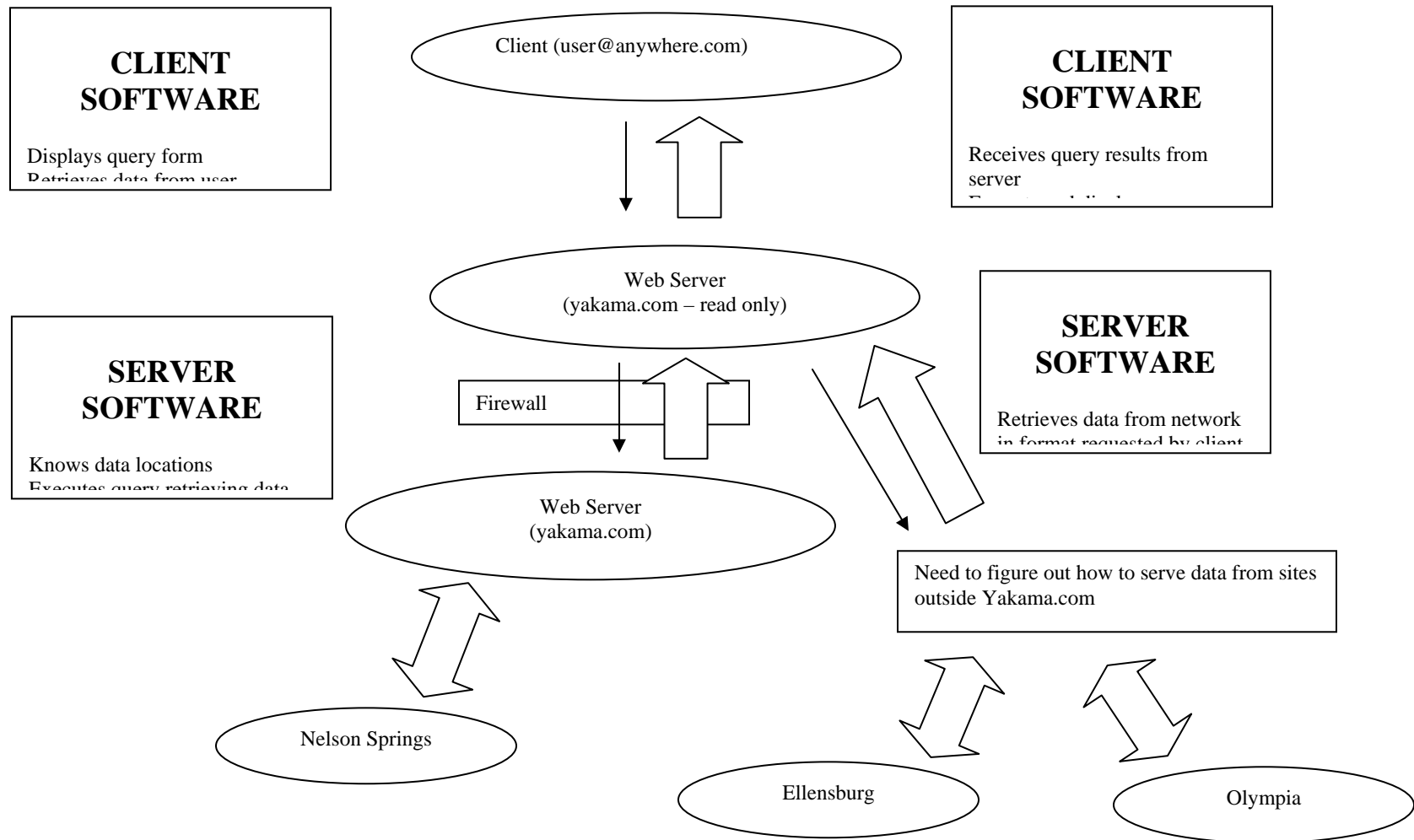
For the long-term, the data management team is continuing to consult with other regional data managers regarding, and to research options for implementing, a web-based data retrieval system that will be interfaced directly to existing Access databases. This is likely to be a 3-to-5-year project and may require hiring additional staff with expertise in the tools necessary to accomplish this task.

## **7. Geographic Information Systems**

The long-term vision is that a lot of key project data will be integrated into a GIS system and will be available for viewing spatially, e.g., on a map. Some examples might include: Yakima River Basin spring chinook redds overlaid with high-impact predator densities and locations, Klickitat River all stock spawning reaches, Klickitat River EDT Spring chinook "high priority" Restoration/Preservation reaches, etc. Significant progress is being made in this area.

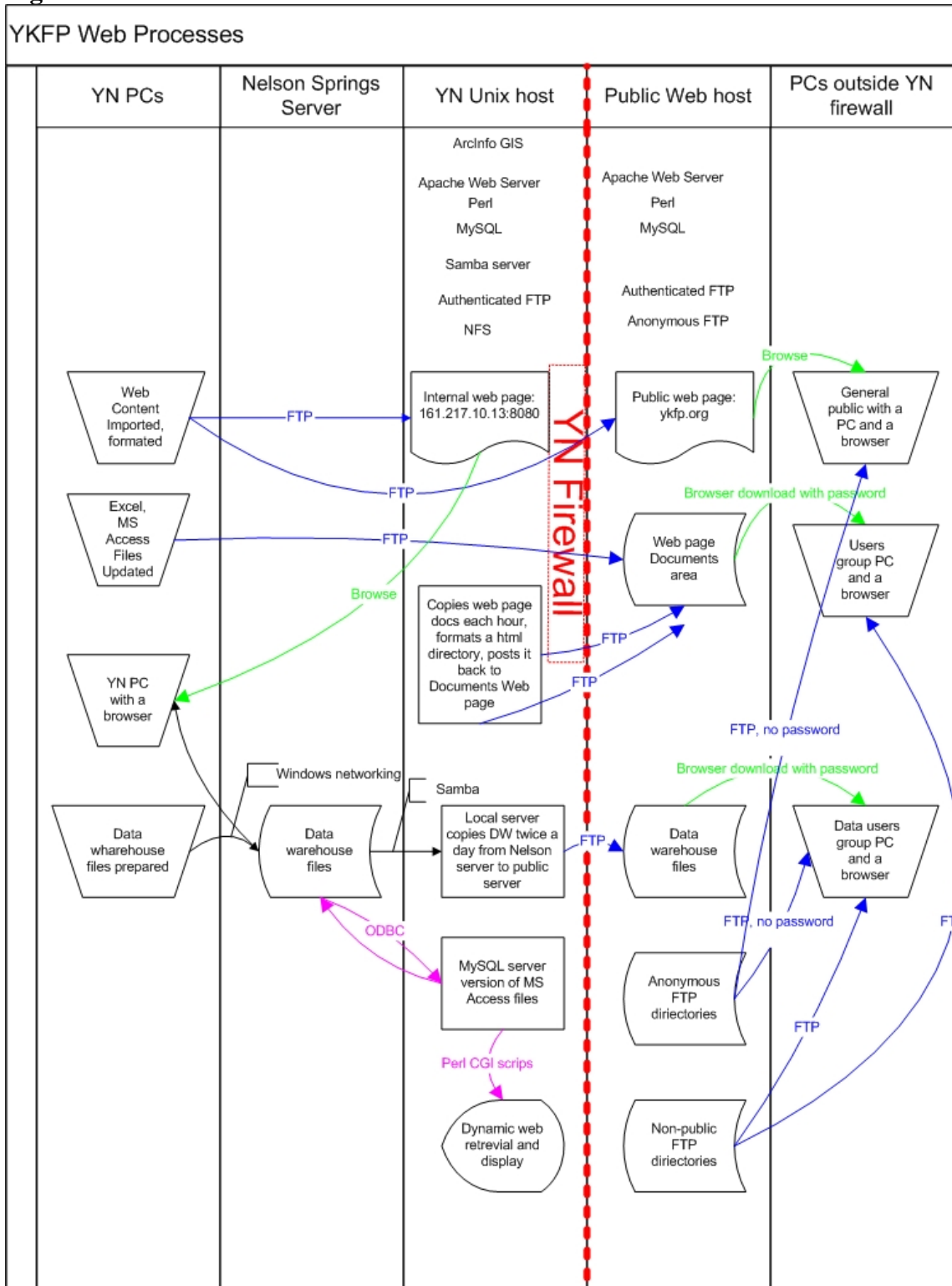
## **8. Dam Counts**

The project maintains systems to capture counts of adult returning fish at Prosser, Roza, and Cowiche dams on the Yakima River. The data management team worked with staff at the University of Washington to develop routines for loading Prosser and Roza adult count data into the regional Data Access in Real Time (DART) system. This project was completed in 2004 and all available Yakima River historical dam count data are now loaded into the DART system. We will update these data as necessary (including loading of current year counts) to make sure that historical data are accurately loaded and accessible via the DART system. DART access to dam count data is in addition to access already provided via the [ykfp.org](http://ykfp.org) web site. The data management team will continue to investigate the utility and feasibility of loading juvenile counts at Chandler to similar regional systems.



**Figure 3. Draft YKFP Data Network Diagram.**

**Figure 4. YKFP Web Processes.**





# Appendix A. Layout for Interim Data Warehouse, Version 1.0

Directory / File / Field

## **\YKFPDataWarehouse\CESRFBroodYearAccounting**

### Brood Collection and Spawning

RozaCollectionData (Brood fish collected at Roza; from qryDWRozaCollect in \history\broodstock.mdb)

RozaDate, date of collection at Roza

RozaId, unique id given to fish at Roza

Carcassno, carcass number given at spawn time at CE Hatchery if fish used for brood

PITTag, PIT tag id inserted into brood fish at Roza

JVPITTag, Pit Tag number of tag inserted into this fish when it was a juvenile (if recap)

Status, information about the disposition of this fish, e.g. BRD=collected and used for brood unless a mortality or used in spawning channel, RLS=released and there should be an entry in

ReleaseData, etc.

HWFlag, hatchery or wild indicator

Age, age of fish based on scale sample taken at Roza

Sex, sex of fish as guessed by Roza personnel at time of collection

Forklength, fork length at collection time in centimeters

POHlength, Post-eye to hyperal length at collection time in centimeters

Weight, body wt at collection time in kilograms

Scalesmpl, scale card and slot number for scale samples taken from this fish

Injection, Injection data about this fish - type and amount (mls)

Comments, other collection remarks about this fish

PhotoID, name of file given to photo image of this fish (as stored on CD)

Mort, flag indicating whether fish was a mortality or not, if so entry in MortalityData

Channel, flag indicating whether fish was used in spawning channel or not, if so entry in ChannelData

SpawnerData (Production spawners at Cle Elum; from tblSpawner in \history\broodstock.mdb)

Carcassno, carcass number given at spawn time (true sex is first character of carcassno)

PITTag, PIT tag id inserted into brood fish at Roza

Bodywt, body weight at spawn time in kilograms

Forklgth, fork length at spawn time in centimeters

POHlgth, Post-eye to hyperal length at spawn time in centimeters

MEHlgth, mid-eye to hyperal length at spawn time in centimeters

Comments, other spawn remarks about this fish

DNASample, DNA sample id assigned to this fish

CWT, CWT code found in this fish (if dug and known)

Radio, Radio tag channel and code (if any) found in this fish (format xx-xx or xxx-xxx)

Photo, File name of spawner photograph of this fish (as stored on CD)

ChannelData (Channel spawners at Cle Elum; from tblChannelData in \history\broodstock.mdb)

SpawnDate, date this fish was placed in spawning channel

DNASample, DNA sample id assigned to this fish

HorW, Hatchery or Wild Indicator

Sex, true sex of this fish

Length, fork length in mm/cm (at time of transfer to channel)

Wt, weight in kilograms (at time of transfer to channel)

PITTag, PIT tag id inserted into brood fish at Roza

PETTag, Peterson disk tag id given to this fish prior to transfer to channel

TransportTime, approximate time fish was transported from holding pond to channel

Condition, Condition of fish prior to placement in the channel

ChannelSection, Channel section identifier

TimeofCollection, Approximate time this fish was sampled, peterson tagged, and transferred to the channel

EggsLost, Number of eggs lost during sampling and transfer of fish?

EggsRetained, Number of eggs retained after fish spawned in channel

DeadBodyWt, Body weight of carcass after spawning

DeadForkLength, Fork length of carcass after spawning

DeadDate, Date carcass sampled

RetainedTestes, Weight (?) of retained testes after spawning

TestesColor, Color of testes from carcass sample

CWTPlacement, Comments regarding tag location and type found in carcasses of hatchery channel fish

Comments, other channel remarks about this fish

MortalityData (Prespawn/sort mortalities at Cle Elum; from qryDWMortality in \history\broodstock.mdb)

RozaDate, date of collection at Roza

RozaId, unique id given to fish at Roza

PITTag, PIT tag id inserted into brood fish at Roza

Sex, true sex of this fish

MortDate, date mortality was recorded (fish may have died before this date)

MortCause, cause of death

Comment, other mortality remarks about this fish

ReleaseData (Brood fish not used and released from Cle Elum near spawn time; from tblRelease in \history\broodstock.mdb)

RozaDate, date of collection at Roza

RozaId, unique id given to fish at Roza

PITTag, PIT tag id inserted into brood fish at Roza

ReleaseDate, date fish was released back to the Yakima River from CESRF

RadioTag, true/false, if true a radio tag was in fish at time of release

FemaleData (production brood females at Cle Elum; from qryDWFemales in \history\broodstock.mdb)

Carcassno, carcass number given at spawn time

HWFlag, hatchery or wild indicator

SpawnDate, date this fish was spawned

Totaleggmass, Weight of all the eggs taken from this female (in grams)

Samplewt, Weight of a sample number of eggs taken from this female (in grams)

Samplenoeggs, Number of eggs in sample from this female

Nocrosses, Number of full crosses (number of aliquots) for this female

Egglossskein, Number of eggs left in the skein

Egglosssmpl, Number of eggs taken for bio-sampling

Egglossbad, Number of eggs discarded as "bad"

Egglossspill, Number of eggs spilled and unusable for spawning

BKDFlag, Was female flagged as BKD positive?

BKDRank, ELISA rank denoting BKD risk based on USFWS analysis of ovarian fluid samples

Comment, other remarks specific to spawning/egg take of this female

CrossData (production brood at Cle Elum; from tblCrosses in \history\broodstock.mdb)

FemaleCarcassno, carcass number of female in cross

MaleCarcassno, carcass number of male in cross

Crosspercent, percent of aliquot fertilized by this male

ExperimentalFlag, Was this an experimental cross? If so, 200 eggs in this cross

MaleMotility (1998 brood data only as analyzed by K. Hatch; from tblMotility in \history\broodstock.mdb)

Carcassno, carcass number of male

Motility, Percentage of sperm observed to be motile

GeneralMetaData (general meta data about this brood; from tblComment in \history\broodstock.mdb)

SpawnDate

Comment

## Eggs to Ponding

FemaleEggCounts (production brood females at Cle Elum; from qryDWEggCounts in \history\broodstock.mdb)

Carcassno, carcass number given at spawn time

HWFlag, hatchery or wild indicator

UnfertilizedEggs, Number of unfertilized (dead) eggs at eyed-egg shock

TroughID, Incubation trough id for this female's egg ISO-bucket in format yyyyTnnn, where yyyy is brood year

HeathTrayID1, Incubation heath tray id for this female's live eggs in format yyyyHnnnnn, where yyyy is brood year

HtId1Eggs, Number of live eggs in tray 1

HeathTrayID2, Incubation heath tray id for this female's live eggs in format yyyyHnnnnn, where yyyy is brood year

HtId2Eggs, Number of live eggs in tray 2

ShockTempUnits, Temperature units at shock time

Comment, other remarks specific to spawning/egg take of this female

### Egg Count Correction Data (Hand Count vs. Machine Count data)

<to be developed>

HeathTrayData (production fish at Cle Elum; from qryDWHearthTrayData in \history\rearing.mdb)

HeathID, Incubation heath tray id

LiveEggs, Number of live eggs in this tray

FryLoss, Total number of fry lost in this tray prior to ponding

PondId, Cle Elum Raceway pond these fish were placed into

FishperPound, Average (for several trays) of fish per pound at ponding

TempUnits, Average (for several trays) temp. units at ponding

Comment, Shock/Fry picking comments

### **Ponding to Release (includes marking of brood)**

BroodTransferandReleaseSummary (pond by pond transfer and release accounting; from tblSiteBYXref in \history\rearing.mdb)

BroodYear,

SiteID, Cle Elum Pond Id

Species, "sck" = spring chinook

Treatment, OCT or SNT

SiteXref, Acclimation Site/Pond Id

PondIn, estimated number of fish transferred from Heath Trays into Cle Elum pond

PondDate, Date fish were placed into Cle Elum pond

AcclIn, estimated number of fish transferred from Cle Elum pond into Acclimation site raceway

AcclDate, Date fish were placed into Acclimation site pond

AcclOut, Number of fish estimated to be alive in Acclimation site raceway available for release (total tagged less total morts)

PITOut, Number of PIT tagged fish estimated to be alive in Acclimation site raceway available for release (Original number PIT tagged less known PIT morts, NOT exit detection counts)

FirstVRDate, Date screens were pulled at acclimation site (date of 1st volitional release)

LastVRDate, Date fish were forced out of acclimation site (date of last volitional release)

GrowthandSurvival (monthly fish on hand, mortality, and weight data; from qryDWGrowthandSurvival in \history\rearing.mdb)

BroodYear,

SiteID, Cle Elum Pond Id

Treatment, OCT or SNT

InvDate, Month end inventory date

OnHand, Number of fish estimated to be on hand in this pond as of InvDate

Pounds, Estimated total weight of fish on hand in this pond as of InvDate  
Morts, Number of documented mortalities for this pond for month ending on InvDate  
FoodFed, Total Pounds of food fed for this pond for month ending on InvDate  
AvgWt, Average number of fish per pound for this pond for month ending on InvDate  
GainPounds, Estimated total pounds of weight gained by all fish in pond since previous InvDate  
SiteXref, Acclimation transfer site and pond Id for these fish

PondLgthSamples (Length histograms for monthly sample data; not yet available)

SiteID, Cle Elum or Acclimation site and pond id  
SampleDate, Date of length samples  
SamplerID, Initials of head sampler or data entry person  
FishLength, Fish length in centimeters  
FishNumber, Number of fish in this length strata

PondTemperatures (Monthly average, min, max pond temperature data as reported by CH2M Hill monitoring equipment and software; not yet available)

SiteID, Cle Elum or Acclimation site and pond id  
MEDate, Month-end date  
AvgTemp, average pond temperature for the month  
MinTemp, minimum pond temperature for the month  
MaxTemp, maximum pond temperature for the month

PITTagFileData (from JM/Ptagis query)

H\_header\_Name, Name of file containing PIT tag data submitted to PTAGIS  
H\_brood\_year, last two digits of brood year  
H\_raceway\_transect, Cle Elum Pond Id  
NumberTagged, Number of fish in this pond which were PIT tagged  
Dotouts, Number of fish in this pond which morted at some point prior to release  
EstimatedNumberReleased, Estimated number of PIT-tagged fish in this pond released from accl. sites  
H\_message, additional tagging and ponding data regarding this release

PondMarkData (pond tagging data; from the table DWPondMarkData created by modLoadDWPondMarkData in \history\rearing.mdb)

SiteID, Cle Elum Pond Id  
StartDate, Date that marking started in this pond  
EndDate, Date that marking ended in this pond  
CWTCODE, Coded-wire tag code used for fish in this pond  
TagType, Type of CWT used for fish in this pond  
NumberTagged, Number of fish in this pond which were CWT tagged  
NumberSorted, Number of sorts/culls from this pond  
OCTSNT, denotes left or right Cheek or elastomer eye for Oct/Snt designation  
BodyLocation, CWT body location  
ElastomerColor, color of elastomer eye tag  
Comments, remarks related to marking

QCData (BY97-99 data from CK/SS;BY00 data from tb1QCData in BY2000 Rearing.mdb)

ChronoId, Chronological id, e.g., order in which this fish was QC sampled  
SiteID, Cle Elum Pond Id  
SampleDate, Date of QC samples  
SamplerInitials, Initials of head of QC sample team  
PITTag, PIT tag id of fish if detected  
Length, fork length (millimeters) of this fish if sampled  
Weight, Weight (grams) of this fish if sampled  
CWTSnout, True/False to denote whether a CWT was found in the snout  
ElastomerTag, True/False to denote whether an elastomer eye tag was present  
BodyTag, True/False to denote whether a body CWT tag was present  
AdClip, True/False to denote whether the adipose fin was clipped

Comments, other remarks about this fish

QCSummary (BY97-99 data from CK/SS;BY00 data from tblQCsumm in BY2000 Rearing.mdb)

SiteID, Cle Elum Pond Id

ElastomerEye, denotes left or right Cheek or elastomer eye for Oct/Snt designation

ElastomerColor, color of elastomer eye tag for this pond

BodyLocation, CWT body location

TagEndDate, Date that marking ended in this pond

QCDate, Date that pond was sampled for quality control

Ntot, the total number of fish in this pond sampled for quality control

Nphys, the number of QC'd fish in this pond sub-sampled for length and weight

AvgLen, the average fork length (mm) of QC fish sub-sample

AvgWt, the average weight (g) of QC fish sub-sample

PITTagCount, the count of fish in this QC sample which had PIT tags detected

CWTSnoutCount, the count of fish in this QC sample which had CWT detections in the snout

AdiposeClipCount, the count of fish in this QC sample which had an adipose fin clip

ElastomerTagCount, the count of fish in this QC sample which had elastomer eye tags present

BodyTagCount, the count of fish in this QC sample which had CWT tags detected in a body location

Juvenile Outmigration (from acclimation sites to Bonneville)

Available via migration year on existing web site, see Graphs, Tabular Details, and OCT/SNT Juvenile Releases in:  
**\\Juvenile Counts\\Chandler Juvenile Passage**

Chandler and Roza length/weight sample database (data need to be compiled into single database by migration year). Need these data for hatchery/wild length at release comparisons.

ChandlerYYSamples (Chandler juvenile length and weight samples; from tblIndividual in DL ChandlerDataYYYYFinal mdb files)

WaterYear, juvenile outmigration year

CatchDate, date this fish was sampled at Chandler

SpeciesCode, species designator (hatchery/wild indicator is first character of this code)

ForkLength, fork length (millimeters) of this fish

Weight, Weight (grams) of this fish

Remarks, other remarks about this fish

**Adult Detections**

RecapSumYY (Roza recapture summary tables where YY=brood year; from \\AdultSurvival\\BYyyyy\\RecapSum.xls files)

Large excel file(s) containing summaries of adult recapture data for a given CESRF brood by age, treatment type, acclimation site, and pond. This file summarizes data in RozaYYRecap files for all age-class returns for a given brood year.

**(by Age)**

ReportedCWTR recoveries (includes reported CWT recoveries from ocean, lower Col. R. and Yak. R. fisheries; from RMIS CWT Recovery queries)

... (dump of entire PSC format into comma-separated value **text** (.txt) file, can be linked by CWT to brood year, pond, and treatment using PondMarkData file above)

BonnPITRYyyyy (Bonneville PIT detections from PTAGIS adult return query where RYyyyy = return year; from qryDWBonnPITRYyyyy in BroodYearyyyy\Roza\RozaRecap.mdb)

Tag ID, PIT tag code

Fish Type, species description

Tag Site, PTAGIS code for site where fish was tagged

Release Site, PTAGIS code for site where fish was released

Date Released, date the fish was released as entered into PTAGIS

Date Detected, date of detection at Bonneville Dam

AcclID, Acclimation site and pond ID

Treatment, OCT or SNT

GraPITRYyyyy (Lower Granite PIT detections (Snake R. strays) from PTAGIS adult return query where RYyyyy = return year; from qryGRAyakimaR in BroodYearyyyy\Roza\RozaRecap.mdb)

Tag ID, PIT tag code

Fish Type, species description

Tag Site, PTAGIS code for site where fish was tagged

Release Site, PTAGIS code for site where fish was released

Date Released, date the fish was released as entered into PTAGIS

Date Detected, date of detection at Bonneville Dam

AcclID, Acclimation site and pond ID

Treatment, OCT or SNT

RozaYYRecap (Roza spring chinook adult recapture data for return year YY; from qryDWRozaRcp4 in \history\AdultRecaps.mdb)

RozaDate, date of recapture at Roza

RozaId, unique id given to fish at Roza

JVPITTag, Pit Tag number of tag inserted into this fish when it was a juvenile

Status, should generally be RCP for recapture, if BRD denotes wild PIT recap

Age, age of fish based on scale sample taken at Roza

Sex, sex of fish as guessed by Roza personnel at time of recapture (P=precocial, J=Jack)

Forklength, fork length at recapture time in centimeters

POHlength, POH length at recapture time in centimeters

Weight, body weight at recapture time in kilograms

Scalesmpl, scale card and slot number for scale samples taken from this fish

DNASample, DNA Sample ID for this fish if DNA sample taken

Comments, other remarks about this fish

PhotoID, name of file given to photo image of this fish (as stored on CD)

CWTSnout, Was a CWT found in the snout?

Treatment, denotes left or right Cheek or elastomer eye for Oct/Snt designation if detected/present

BodyLocation, CWT body location if tag detected

ElastomerColor, color of elastomer eye tag if present

YakRYYHarvestRecap (Yakima River sport and tribal harvest samples for return year YY; from qryDWHarvRcp4 in \history\AdultRecaps.mdb)

HarvestDate, Date of harvest

Fishery, S=sport or T=tribal

Age, age of fish from scale sample if taken

Sex, sex of fish if known (J=jack)

JvPITTag, PIT tag code from fish if a recapture and tag was detected/recorded

Forklgh, fork length in centimeters if measured

Weight, weight of fish in pounds as guessed by tribal monitors

WDFWCardCode, Scale card id and slot number from WDFW scale cards

Comments, other remarks

CWTSnout, Was a CWT found in the snout?

OCTSNT, denotes left or right Cheek or elastomer eye for Oct/Snt designation if detected/present

BodyLocation, CWT body location if tag detected

ElastomerColor, color of elastomer eye tag if present

YakRYYSpawnerRecap (Yakima River spawning ground recaptures for return year YY; return year 2000 data from table '2000SpawnCWTRecovs' in \AdultSurvival\SpringChinook\YakimaSpawnSurveyMaster.mdb, other years not yet available)

Date, Date of spawning ground recovery

River, River (Yakima)

Reach, River reach description

CWT, CWT code(s) of fish recovered

Comments, other remarks about this fish

NewCWT, CWT code in 6-digit format matching other parts of database

CLEId, Cle Elum pond number which this fish is from

AccId, Acclimation site and pond number which this fish is from

Treatment, OCT or SNT

### **\YKFPDataWarehouse\Yakima River Data Syntheses**

SpCkDataBase (Run reconstruction, brood tables, and forecasting data; from \AdultSurvival\SpringChinook\SpCkDataBase.xls)

Summary of historical Yakima river spring chinook returns in several tables contained within a large Excel file. Some meta-data included as comments by cell within these tables. Needs to have additional historical meta-data added and a documentation table added which describes where all the data come from.

Harvest

HarvesttoColRMth (Summary of harvest by wild, hatchery, Oct, and Snt Col. R. mth to Escapement; from \AdultSurvival\SpringChinook\HarvesttoColRMth.xls)

Return Year

Col. R. Mth Run Size (estimated by backing estimated Yak. R. mth run size down river using U.S. v Oregon TAC estimates for Bonn. Through McNary passage rates and Col. R. mth to McNary harvest rates)

ColRMthtoBONHarvest, estimated using TAC harvest rate (assumes Yak. R. fish harvested at same rate as all upriver spring chinook)

PassageLossBONtoYakRMth, estimated using TAC passage loss rates

BONtoMcNaryHarvest, estimated using TAC harvest rate (assumes Yak. R. fish harvested at same rate as all upriver spring chinook)

YakimaRiverMthRunSize, from Yakima River run reconstruction

Harvest of YakR fish from ColRMth to YakRMth

Total

Wild

CESRF (estimated using YakRMth proportions from Yak. R. run reconstruction)

OCT (estimated using Roza detection data for all age classes combined)

SNT (estimated using Roza detection data for all age classes combined)

Harvest of YakR fish from YakRMth to Esc

Total

Wild

CESRF (from inriver sampling data)

OCT (estimated using inriver sample data proportions)

SNT (estimated using inriver sample data proportions)

Sample Percentages

OCT (total number of OCT fish in YakR harvest samples)

SNT (total number of SNT fish in YakR harvest samples)

Sample Rate (number of fish in YakR harvest samples as a percent of total CESRF harvest)

YakRHarvestEstimates (Weekly harvest estimates for Yakima R. tribal [and sport?] fisheries; deferred – necessary??)

Location, location of monitor sample  
WeekOf, starting date for week of monitoring data  
Hasck, estimated harvest of hatchery adult spring chinook for this week  
Hjsck, estimated harvest of hatchery jack spring chinook for this week  
Wasck, estimated harvest of wild adult spring chinook for this week  
Wjsck, estimated harvest of wild jack spring chinook for this week  
Hsth, estimated harvest of hatchery steelhead for this week  
Wsth, estimated harvest of wild steelhead for this week

Daily Dam Counts by Return Year

ProsserYYSpCk (Prosser spring chinook counts for return year YY; from tblSpringCounts in \damcounts\ProsserAdult.mdb)

Date, passage date  
Dam, currently blank  
<>, column assigned by access for invalid species code count  
hasck, daily count of hatchery adult spring chinook  
hjsck, daily count of hatchery jack spring chinook  
wasck, daily count of wild adult spring chinook  
wjsck, daily count of wild jack spring chinook  
uasck, daily count of unknown adult spring chinook  
ujksck, daily count of unknown jack spring chinook

RozaYYSpCk (Roza spring chinook counts for return year YY; from tblSpringCounts in \history\broodstock.mdb)

Date, passage date  
Dam, currently blank  
<>, column assigned by access for invalid species code count  
hasck, daily count of hatchery adult spring chinook  
hjsck, daily count of hatchery jack spring chinook  
wasck, daily count of wild adult spring chinook  
wjsck, daily count of wild jack spring chinook  
brdwasck, daily count of wild adult spring chinook collected for brood stock  
brdwjsck, daily count of wild jack spring chinook collected for brood stock  
brdhasck, daily count of hatchery adult spring chinook collected for brood stock  
brdhjsck, daily count of hatchery jack spring chinook collected for brood stock

Adult Counts (historical, to be constructed)

Dam code, PROsser, ROZa, or COWiche  
Passage date, date of passage  
Ladder, ladder  
Species, denotes spring chinook, fall chinook, steelhead, coho, etc.  
HWFlag, hatchery or wild  
AJFlag, Adult or jack  
Count, daily count for this date, dam, and ladder  
Count method, video, trap, window counter, etc.  
Count type, raw or expanded

Spawning Ground Surveys

ReddCountTiming (spawning ground survey redd count data for all years 1981-present; from gryDWRReddCountTiming2 in \SpawnTiming\YakRSpChin\SpawnTiming.mdb)

River (Yakima, Naches, American, etc.)  
SurveyDate, date of spawner survey  
SurveyReach (reach description, e.g., rm X to rm Y or X bridge to Y campground, etc.)  
SurveySubReach (sub-reach description, if designated)



ReddCount, redd count for this reach for this date  
Comments, remarks about survey

SpawnerSamplesYY (spawning ground survey physiological data, YY=return year; from  
\\AdultSurvival\SpringChinook\YakimaSpawnSurveyMaster.mdb)

SurveyDate, date of spawner survey  
Species, species designator (hatchery/wild indicator is first character of this code)  
River (Yakima, Naches, American, etc.)  
Reach (reach description, e.g., rm X to rm Y or X bridge to Y campground, etc.)  
Forklength, fork length at recapture time in centimeters  
POHlength, Post-eye to hyperal length at recapture time in centimeters  
Sex, sex of fish  
Age, age of fish based on scale sample  
DNASample, DNA Sample ID for this fish if DNA sample taken  
Comments, other remarks about this fish

**Summary of Data Management Major Accomplishments  
for April 1, 2004 through March 31, 2005.**

Consultation, Coordination, and Data Sharing

1. Provided Yakima Basin data to, and/or participated in: the Collaborative Systemwide Monitoring and Evaluation Project (CSMEP) including development of the hatchery 'data quality objectives' report; the hatchery workgroup of the Hydrosystem Biological Opinion Remand process; and Yakima Subbasin and Recovery Planning processes.
2. Attended Pacific Northwest Aquatic Monitoring Project (PNAMP) 'M&E Practitioners' workshop to review 2004 field work and discuss opportunities for data, methodology, and reporting standards.
3. Participated in review and commenting process on NOAA hatchery policy and revised listings.
4. Assisted in completion of the Yakima Subbasin Plan and development of YKFP "supplement" for Yakima Subbasin Plan.
5. Participated in review "All H Analyzer" model developed by Mobrand. Assisted in data loading of this model for Yakima basin species.
6. Conducted database retrieval and analyses to assist in answering queries from MIPT/STAC and various outside agencies. Examples included: juvenile-adult and adult-adult survival data; discussing data for BOR pump exchange project; providing tag retention data to WDFW; Roza steelhead passage data for BOR; providing tag retention data to WDFW; providing growth profile, release, and other data for Project Annual Review presentations; providing spring chinook smolt-to-adult survival data to the Lower Snake River compensation project; etc.
7. Attended a tribal coho workshop sponsored by CRITFC to share progress and to discuss and develop methods to better coordinate and maximize results from tribal coho restoration efforts.
8. Participated in review of supplementation work for the Cowlitz and Lewis projects.
9. Met with staff at the Klickitat Hatchery to review data needs and demonstrate software developed and being used as a hatchery management tool in the Yakima Basin.
10. Assisted with bird predation survey work and review of annual reports of this work.

Planning and Reporting

11. Developed quarterly reports for YN data management activities. Completed review and development of 2003 YKFP annual reports for data, management, and habitat and monitoring and evaluation. Ensured that all YN-sponsored BPA annual reports were properly posted to BPA web site.
12. Participated in the Project Annual Review (2003 public review and 2004 internal review).
13. Attended monthly YKFP policy group meetings.
14. Participated in meetings to review status of steelhead kelt work and development of plan to evaluate reproductive success.
15. Assisted with modifications / changes in the Klickitat Master Plan; assisted with review/development of NPCC presentations of the Klickitat Master Plan; assisted with development of response to ISRP review of Klickitat Master Plan.

16. Assisted with development of a “Short Project Overview” summarizing Yakima Basin spring chinook monitoring and evaluation work to date.
17. Developed draft of OCT / SNT juvenile survival paper using existing reports and all available data for the first five-year brood cycle.
18. Developed a paper summarizing Phase I coho restoration feasibility work. Submitted the paper titled “Evaluating the Feasibility of Reestablishing a Coho Salmon Population in the Yakima River, Washington” to the American Fisheries Society (AFS) North American Journal of Fisheries Management. The paper is in review pending publication.
19. Began preparation of a manuscript summarizing 2001-2004 steelhead kelt reconditioning work.
20. Participated in meetings to review status of coho restoration and master planning document.
21. Finalized Hatchery Genetic Management Plans (HGMPs) for Yakima Basin spring chinook, fall chinook, coho, and steelhead and submitted to NOAA Fisheries.
22. Continued development and updating of the “Executive Summary” report summarizing all Yakima Basin spring chinook monitoring and evaluation work.
23. Developed a PowerPoint overview presentation summarizing highlights-to-date of all YKFP M&E related activities for spring chinook, fall chinook, and coho in the Yakima Basin.
24. Assisted with development of abstracts of YKFP projects for presentation at CBFWA workshop.
25. Participated in BPA Pisces training and development of 2005 statement(s) of work.
26. Updated and maintained information system management plans for Yakima and Klickitat data management activities.

#### Database Development, Maintenance, and Analysis

27. Completed work on building an historical database of Yakima Basin dam counts (Prosser and Roza) from daily, weekly, and historical data compiled from various YN and BOR databases and Excel Sheets. Worked with Univ. of Washington Data Access in Real Time (DART) staff to set up an ODBC database link for loading current calendar year data to DART. Historical data also sent to DART staff for posting to this regional dam count database. Worked with YN video counting and DART staff to maintain the accuracy and currency of data in these databases.
28. Identified differential harvest rates in lower Columbia River fisheries on marked (supplementation) and unmarked (wild/natural) fish as a factor affecting monitoring and evaluation of adult survival for CESRF and Yakima wild/natural spring chinook. Developed materials describing and clarifying this issue for MIPT and STAC discussion and evaluation. Lead in presentation of this issue to MIPT/STAC and the Policy Group.
29. Maintained spring chinook databases and software (2004 Prosser dam count, 2004 Roza Dam brood/recapture, 2004 harvest, 2004 Cle Elum spawning, BY2003 ponding and rearing, BY2002 final rearing and juvenile migration, spawner survey, and Cle Elum water usage reporting) including data capture, quality control, incorporation of data from other agencies (e.g. USFWS fish health data, NMFS precocial and spawner survey data, etc.) to ensure data are comprehensive, consistent, accurate, and up-to-date.
30. Maintained Prosser steelhead kelt database and software; maintained database of kelt PIT recaptures; reviewed and summarized Prosser steelhead kelt data to date for 2004 season; analyzed and prepared summaries of 2001-2004 release and recapture data; and setup of data capture database for 2005 activities.
31. Assisted with setup of P3 database and data capture equipment for monitoring fall chinook juvenile PIT tagging operations.
32. Submitted mark (CWT or PIT) data for all Yakima River releases and recaptures to regional databases (RMIS and PTAGIS) in a consistent and timely manner.
33. Prepared and maintained data capture systems for 2004 fall chinook and coho operations including: Prosser Denil hardware/software setup; incorporation of age data from scale sample analysis; and radio telemetry tracking system which incorporates periodic updates of Yakima Basin radio tagged fish on Univ. of Idaho maintained transceivers throughout the Columbia Basin.
34. Prepared data capture systems for 2004 Cle Elum spring chinook spawning, participated in weekly spawning activities, with main responsibility for data entry, quality control review of data, processing and archiving of photographs, and sending out weekly summaries of spawning activities.
35. Compiled and summarized all 2004 adult spring chinook return and spawning data for the Yakima Basin. Prepared and delivered 2005 adult spring chinook forecast. Developed 2005 brood need and collection schedule. Assisted in analysis and preparation work for anticipated 2005 ‘severe drought’ migration conditions.
36. Assisted with quality control of P3 data from Methow juvenile migration tagging season.

37. Analyzed data capture database for 2004 Cle Elum spring chinook spawning to produce summary reports for the season and assist in pairing the 2004 brood fish for placement in incubation trays and rearing ponds. Ensured accurate entry of BY2004 egg enumeration data and produced egg enumeration summary reports.
38. Continued work with fall chinook biologist to develop databases to better organize and summarize all related data. Developed and implemented a database for monitoring fall chinook redd counts.
39. Developed routines for entering PIT recaptures from predation study project into this project's database.
40. Assisted with preparation of fall chinook and coho release data for loading of CWT information to the Regional Mark Information System (RMIS).
41. Updated databases for tracking coho smolt-to-adult survival with data from 2004 returns to McNary and Prosser.
42. Continued development of database to allow easy search and retrieval of YKFP technical reports and publications.
43. Worked with Klickitat field office staff to develop significant updates to the TFW habitat survey database query and reporting system to take advantage of their data normalization and quality control efforts.

#### Equipment and Web Site Maintenance

44. Performed routine equipment and anti-virus software maintenance (troubleshooting, hardware/software installation and maintenance) at all sites (Nelson, Cle Elum, Roza, Prosser, and GIS server system in Toppenish).
45. Performed routine maintenance of the YKFP web site including assisting users with their accounts, and adding and fixing links to YKFP technical reports and publications.
46. Finished a project to display and chart adult returns on the web site using Perl and the Charter Director library. Developed improvements to these passage graphs.
47. Organized the abstracts for the Project Annual Review (2003 PAR) and posted them on our web site.

#### GIS Mapping

48. Completed a major revision in the EDT reach mapping layers, comparing versions and updating reach positions.
49. Completed online classes "Migrating to ArcMap 8" and "Creating and Mapping Geodatabases".
50. Created a GIS layer of Yakama Nation's habitat restoration projects and property acquisitions.
51. Worked with personnel at CRITFC and Oregon Health Sciences University to develop and implement an on-line mapping application to present Columbia Basin fish contamination data.
52. Developed and implemented a pilot spatial database engine (a shared GIS database) for the Klickitat Field Office.

Note: The majority of Klickitat basin-specific data management activities are covered in a separate report pursuant to Klickitat contract(s).

### **Klickitat Basin Specific Major Accomplishments**

#### **April 1 - June 2004.**

1. Stream temperature data has been collected at 35 locations within the basin since the mid 1990s (31 water temperature and 4 air Temperature). This data has been synthesized into a relational database and is being actively used in the EDT model to describe physical habitat conditions and monitor impacted habitats.

2. The Ecosystem Diagnostics and Treatment System (EDT) is being actively applied to the Klickitat Basin. During this review period significant accomplishments have been made to the population of the model. Databases have been completed and model runs conducted for both spring chinook and steelhead. These runs identify habitat preservation and restoration opportunities. EDDT results are being actively used to identify restoration priorities in various habitat proposals to BPA and State Salmon Recovery efforts. EDT modeling result were a major component of the NPPC's Subbasin Planning completed in May, 2004. A presentation of these results was made to the ISRP during their Columbia Gorge Provincial Review.

3. The development of a Timber, Fish and Wildlife database (TFW.mdb) for habitat assessment is an ongoing project at the Klickitat Field Office (KFO) During this review period additional six additional sites were added to the database. Transects were conducted on mainstem Klickitat River in Caldwell Prairie and Kessler. Tributary transects were conducted on Swale Creek, Bear Creek and two in the upper reaches of Diamond Fork Creek.
4. During the review period data modeling continued as a major part of the Monitoring and Evaluation (M&E) information needs of the KFO. Some of the components of such a system were identified as temperature, Screw Trap, and Spawning information. The immediacy of ongoing data collection needs (i.e. Subbasin Planning, Master Plan) and the complexity of the modeling a comprehensive system led to the decision to develop the components independently, with the intention of linking them together at some later date.
5. The completed database for the Screw Trap data is being populated with current and historic data. The newly developed data input form now allows technicians to enter the data in a format very similar to that of the data collection forms filled out as the traps. Beta testing of this form is on going..
6. The ongoing technical support of a network of seven to ten computers, a wide assortment of peripheral devices, and multiple software applications demands t least 10-20 percent of the Data Managers time at the KFO. During this review period a network Server was acquired and is in the process of installation and configuration as a domain controller and central file server. Virus protection software on all of the KFO computers is in the process of being upgraded to centrally controlled enterprise system and manual backups continue.

## **ATTACHMENT B: LEGAL/POLICY ANALYSIS QUARTERLY SUMMARY**

### **Legal/Policy Analyst Contract Activities: April – May - June 2004**

#### **1. Policy Group Participation and Policy Support**

The Legal/Policy Analyst ("the Analyst") provided analysis and counsel to the YKFP Policy Group through participation in monthly Policy Group.

#### **2. Cle Elum Supplementation and Research Facility (CESRF).**

Water right permits at the CESRF require long duration well field testing. Neighbors of the CESRF are seeking transfer of surface water rights from properties downstream of the CESRF on the Yakima River to a ground water source northeast of the CESRF. The analyst reviewed engineering and water right information provided by the neighbor and coordinated with the neighbor's lawyer concerning applied-for water rights change applications and the potential for confounding long duration well field testing or wetland impact exacerbation.

The water rights at the CESRF are temporary rights due to the pending water right adjudication in the Yakima River Basin. The Analyst evaluated impacts of certain activities in the adjudication proceeding for effects on water use at the CESRF during periods of storage control and advised Yakama Nation counsel and Bonneville regarding the need to preserve the right to withdraw surface water for the facility despite the adjudication proceeding.

The Analyst also reviewed procurement contracts necessary for CESRF operation and maintenance.

#### **3. Yakima River Basin Side Channels Program Activities.**

The YKFP has identified and acquired properties affording side channel protection opportunities. The properties have required operation and maintenance arrangements that are benefited by promoting working relationships with neighbors. The Analyst assisted YKFP staff in addressing real property access issues important to neighboring landowners through easement drafting and assessment of access options to neighboring properties. In addition, the Analyst coordinated with counsel for the City of Cle Elum regarding intergovernmental coordination on side channel development and protection, and in response to CWA Sec. 404 permit compliance. The Analyst also reviewed utility proposals for access licenses and easements across upper Yakima River side channel properties.

#### **4. Safe Access to Yakima River Basin Tributaries.**

In order to promote carrying capacity in the basin for chinook, coho and steelhead, the YKFP has undertaken a project for removing barriers to fish passage in tributaries to the Yakima River. The Analyst has assisted YKFP staff in negotiating agreements with other interested parties regarding steering committee formation for Manastash Creek safe access projects.

#### **5. Prosser Hatchery Activities.**

The Prosser Hatchery coho and Fall chinook rearing activities require access to sufficient amounts of water from groundwater sources to offset temperature increases in surface water supply for the

facility. The Analyst prepared a SEPA environmental checklist and water right application for groundwater use at the hatchery, and prepared correspondence to trigger Bureau of Reclamation execution of the water right documents. In addition, the Analyst provided assessments of water system approval requirements and underlying OSHA requirements for lavatory facilities and potable water at the Prosser facility.

**6. Coho Reintroduction Activities.**

The YKFP studying the feasibility reintroduce Coho in the Yakima River Basin. The reintroduction program requires the identification of natural acclimation sites or other suitable sites throughout the basin. The Analyst assisted YKFP staff in developing land use agreements to support reintroduction monitoring and evaluation activities and also provided advice on necessary permits and NEPA compliance for use of the identified properties.

**7. Bonneville Facility Issues.**

The Northwest Power and Conservation Council approved the development of design and pricing information for a replacement monitoring and evaluation facility at Bonneville's Nelson Springs property. The Analyst participated in preparation for NPCC review of the design, in the post mortem analysis of the NPCC deferral of action on the proposal; and planning for development of a modular based alternative proposal.

## **Legal/Policy Analyst Contract Activities: July – August – September 2004**

### **1. Policy Group Participation and Policy Support**

The Legal/Policy Analyst (“the Analyst”) provided analysis and counsel to the YKFP Policy Group through participation in monthly Policy Group. In addition, the Analyst assisted YKFP staff in preparation of abstracts for submission to the Columbia Basin Fish and Wildlife Authority Anadromous Fish Committee Project Review.

### **2. Cle Elum Supplementation and Research Facility (CESRF).**

The Analyst reviewed procurement contracts necessary for CESRF operation and maintenance, and participated in discussions of the impacts of state-sponsored selective fisheries on research project fish marking schemes. Also, the Analyst conferred with Bonneville staff regarding means of addressing acclimation site water supply pump performance issues.

### **3. Yakima River Basin Side Channels Program Activities.**

The YKFP has identified and acquired properties affording side channel protection opportunities. The Analyst assisted YKFP staff in developing acquisition strategies for acquisition and protection of side channel properties in the upper Yakima Basin and review final closing documents for Lower Naches acquisitions.

### **4. Safe Access to Yakima River Basin Tributaries**

In order to promote carrying capacity in the basin for chinook coho and steelhead, the YKFP has undertaken a project for removing barriers to fish passage in tributaries to the Yakima River. The Analyst continued to assist YKFP staff in negotiating agreements with other interested parties regarding steering committee formation for Manastash Creek safe access projects.

### **5. Prosser Hatchery Activities**

The Prosser Hatchery coho and fall chinook rearing activities require access to sufficient amounts of water from ground water sources to offset temperature increases in surface water supply for the facility. The Analyst developed and submitted ground water right application materials and assisted YKFP in obtaining temporary ground water permits. Activities included legal review of well drilling contracts. The Analyst also assisted YKFP staff in developing a strategy for responding to water availability issues during Chandler Canal maintenance shutdowns.

### **6. Coho Reintroduction Activities**

The YKFP is studying the feasibility of reintroducing coho in the Yakima River Basin. The reintroduction program requires the identification of natural acclimation sites or other suitable sites throughout the basin. The Analyst continued to assist YKFP staff in developing land use agreements, real property acquisition strategies, and related negotiations with third parties to support coho reintroduction monitoring and evaluation activities.

## **7. Bonneville Facility Issues**

The Northwest Power and Conservation Council declined to recommend approval of the replacement of the monitoring and evaluation facility at Bonneville' Nelson Springs property. In consultation with YKFP staff, the Analyst addressed strategies for development of modular facilities to provide M&E replacement space and new laboratory facilities. The Analyst also assessed alternatives to the NPCC three-step process for funding modular facility development.



## **Legal/Policy Analyst Contract Activities: October – November – December 2004**

### **1. Policy Group Participation and Policy Support**

The Legal/Policy Analyst ("the Analyst") provided analysis and counsel to the YKFP Policy Group through participation in monthly Policy Group.

### **2. Cle Elum Supplementation and Research Facility (CESRF).**

Water right permits issued in 1997 for the CESRF are temporary during the pendency of the Yakima River Basin Water Right Adjudication. During the adjudication process, water rights claimants have sought orders from the presiding judge requiring curtailment of diversions for Post-1905 water rights during periods in which water rights are prorated due to limited water supply availability from the river. The Analyst participated in the review and drafting of modifications to the proposed orders to assure they did not prevent interruption of CESRF water use for non-consumptive fish propagation. In addition, the Analyst consulted with Bonneville officials and Yakama Nation water counsel to address steps for assuring post-adjudication resolution of permanent water rights at the CESRF.

The Analyst also reviewed procurement contracts necessary for CESRF operation and maintenance.

### **3. Yakima River Basin Side Channels Program Activities.**

The YKFP has identified and acquired properties affording side channel protection opportunities. One property in Kittitas County that offers opportunities for both habitat protection and acclimation site development has come available for purchase. The Analyst drafted and reviewed documents to facilitate prospective acquisition of the property, including lease options and purchase and sale agreements. The Analyst provided counsel to YKFP staff concerning elements of a transfer agreement and means of preserving purchase options pending determination of fund availability. The Analyst also reviewed information concerning compliance of side channel projects with Corps of Engineers permit requirements.

### **4. Prosser Hatchery Activities.**

The Prosser Hatchery coho and Fall Chinook rearing activities require access to sufficient amounts of water from groundwater sources to offset temperature increases in surface water supply for the facility. Initial efforts to develop a production well have proven unsuccessful. The Analyst consulted with YKFP staff and reviewed contract performance requirements with the staff and the well drilling contractor. The Analyst assisted staff in the analysis of additional contracting and budget management requirements.

In addition, the Analyst assisted the Prosser Hatchery manager with efforts to assure surface water availability at the hatchery during periods in which supply from the Chandler Canal was interrupted during a canal maintenance shutdown. The Analyst consulted with Bureau of Reclamation officials to address approaches to assuring authorized use of surface water at the hatchery over the long term.

### **5. Coho Reintroduction Activities.**

The YKFP is studying the feasibility of reintroducing coho salmon in the Yakima River Basin. The reintroduction program requires the identification of natural acclimation sites or other suitable sites throughout the basin. The Analyst assisted YKFP staff in developing land use agreements to support reintroduction monitoring and evaluation activities and also provided advice on necessary permits

and NEPA compliance for use of the identified properties. In addition, the Analyst assisted YKFP staff in producing an agreement with a local landowner for developing coho propagation facilities in a manner that also provided learning opportunities for local high school students.

**6. Bonneville Facility Issues.**

The Analyst worked with YKFP staff to address options for working directly with Bonneville to improve the usefulness of Bonneville's Nelson Springs Facilities in YKFP research, monitoring and evaluation activities in the Yakima Basin.

## **Legal/Policy Analyst Contract Activities: Jan-Feb-Mar-Apr 2005**

### **1. Policy Group Participation and Policy Support**

The Legal/Policy Analyst ("the Analyst") provided analysis and counsel to the YKFP Policy Group through participation in monthly Policy Group. In addition, the Analyst monitored and analyzed the BPA Power Function Review process and the development of direct Fish and Wildlife Program costs for use in BPA's rate making proceedings, and coordinated with YKFP managers regarding responses to rate making.

Bureau of Reclamation operation of Roza Dam directly effects smolt passage and survival. The Analyst coordinated with other Yakama Nation staff regarding tribal position and participation in discussions of power subordination and "gate tucking" to allow smolt passage.

The Analyst consulted with YKFP staff concerning implementation of PISCES and participated in the development of statements of work consistent with PISCES.

The Analyst also reviewed available information and conferred with YKFP staff regarding federal and state agency activities that could affect YKFP policy and management decisions, including state-sponsored Salmon Recovery planning, NPCC subbasin planning decisions and BPA and NMFS decisions on resource management and FCRPS operations.

### **2. Cle Elum Supplementation and Research Facility (CESRF).**

Water right permits issued in 1997 for the CESRF are temporary during the pendency of the Yakima River Basin Water Right Adjudication. During the adjudication process, water rights claimants have sought orders from the presiding judge requiring curtailment of diversions for Post-1905 water rights during periods in which water rights are prorated due to limited water supply availability from the river. The Analyst continued participation in the review and drafting of modifications to the proposed orders to assure they did not prevent interruption of CESRF water use for non-consumptive fish propagation. The Analyst continued analysis of options for long-term protection of CESRF water supply.

The Analyst also reviewed and commented on various procurement contracts necessary for CESRF operation and maintenance, and assisted CESRF management with the implementation of the Hatchery Host program.

### **3. Yakima River Basin Side Channels and Safe Passage Program Activities.**

The YKFP has identified and acquired properties affording side channel protection opportunities. One property in Kittitas County that offers opportunities for both habitat protection and acclimation site development has come available for purchase. The Analyst continued to consult with YKFP staff in drafting and reviewing documents to facilitate prospective acquisition of the property, including lease options and purchase and sale agreements. Additional funding options for property acquisition were also reviewed.

The Analyst consulted with YKFP staff and Bureau of Reclamation representatives regarding contents of funding agreements to fund development of fish passage features across the bureau's water delivery canals.

#### **4. Prosser Hatchery Activities.**

The Prosser Hatchery coho and Fall Chinook rearing activities require access to sufficient amounts of water from groundwater sources to offset temperature increases in surface water supply for the facility. Initial efforts to develop a production well have proven unsuccessful. The Analyst consulted with YKFP staff and reviewed contract performance requirements with the staff and the well drilling contractor. The Analyst assisted staff in the analysis of additional contracting and budget management requirements.

In addition, the Analyst continued assisting the Prosser Hatchery manager with efforts to assure surface water availability at the hatchery during periods in which supply from the Chandler Canal was interrupted during a canal maintenance shutdown. This included consideration of the potential impacts of drought on surface water availability in light of Acquavella decisions regarding the scope of Bureau of Reclamation water rights at Chandler Canal, which were initially found to not include fisheries resource protection. The Analyst consulted with Bureau of Reclamation officials to address approaches to assuring authorized use of surface water at the hatchery over the long term.

#### **5. Coho Reintroduction and Fall Chinook Production Activities.**

The YKFP is studying the feasibility of reintroducing coho salmon in the Yakima River Basin. The reintroduction program requires the identification of natural acclimation sites or other suitable sites throughout the basin. The Analyst assisted YKFP staff in developing land use agreements to support reintroduction monitoring and evaluation activities and also provided advice on necessary permits and NEPA compliance for use of the identified properties. In addition, the Analyst assisted YKFP staff in producing an agreement with a local landowner for developing coho propagation facilities in a manner that also provided learning opportunities for local high school students. The Analyst conferred with YKFP staff regarding basin-wide coho artificial production and reintroduction activities, and CRITFC efforts to coordinate tribal coho positions and activities.

The Analyst also conferred with staff regarding acclimation of Fall Chinook and the development of land use agreements with private property owners.

#### **6. Bonneville Facility Issues.**

The Analyst continued to work with YKFP staff to address options for working directly with Bonneville to improve the usefulness of Bonneville's Nelson Springs Facilities in YKFP research, monitoring and evaluation activities in the Yakima Basin.

#### **7. Procurement Contract Reviews.**

The Yakama Nation enters numerous subcontracts in implementing its intergovernmental contracts with BPA. The Analyst worked with Yakama Nation administrative staff to update standardized subcontract terms to assure the implementation of the IGCs and to assure protection of Yakama Nation interests in the contracting process.

## **ATTACHMENT C: ACTIVITIES OF JUDITH WOODWARD, CROSSING BORDERS COMMUNICATIONS**

**Technical Writer**  
**April – May - June 2004**  
**Judith Woodward, Crossing Borders**

Judy's assignments for this time period were very limited of which she did a limited amount of editing on the coho master plan. Follow up assignments will be pursued. A portion of the delay has been due to the departure of Joel Hubble, who was directly coordinating her work assignments.

**Technical Writer**  
**July – August - September 2004**  
**Judith Woodward, Crossing Borders**

My assignments for this time period were limited. My activity was limited to some final edits of the Yakima coho master plan and some initial review of materials for the Yakima fall chinook master plan. This represents my limited involvement for this quarter.

**Technical Writer**  
**October – November - December 2004**  
**Judith Woodward, Crossing Borders**

**No activity to report this period.**

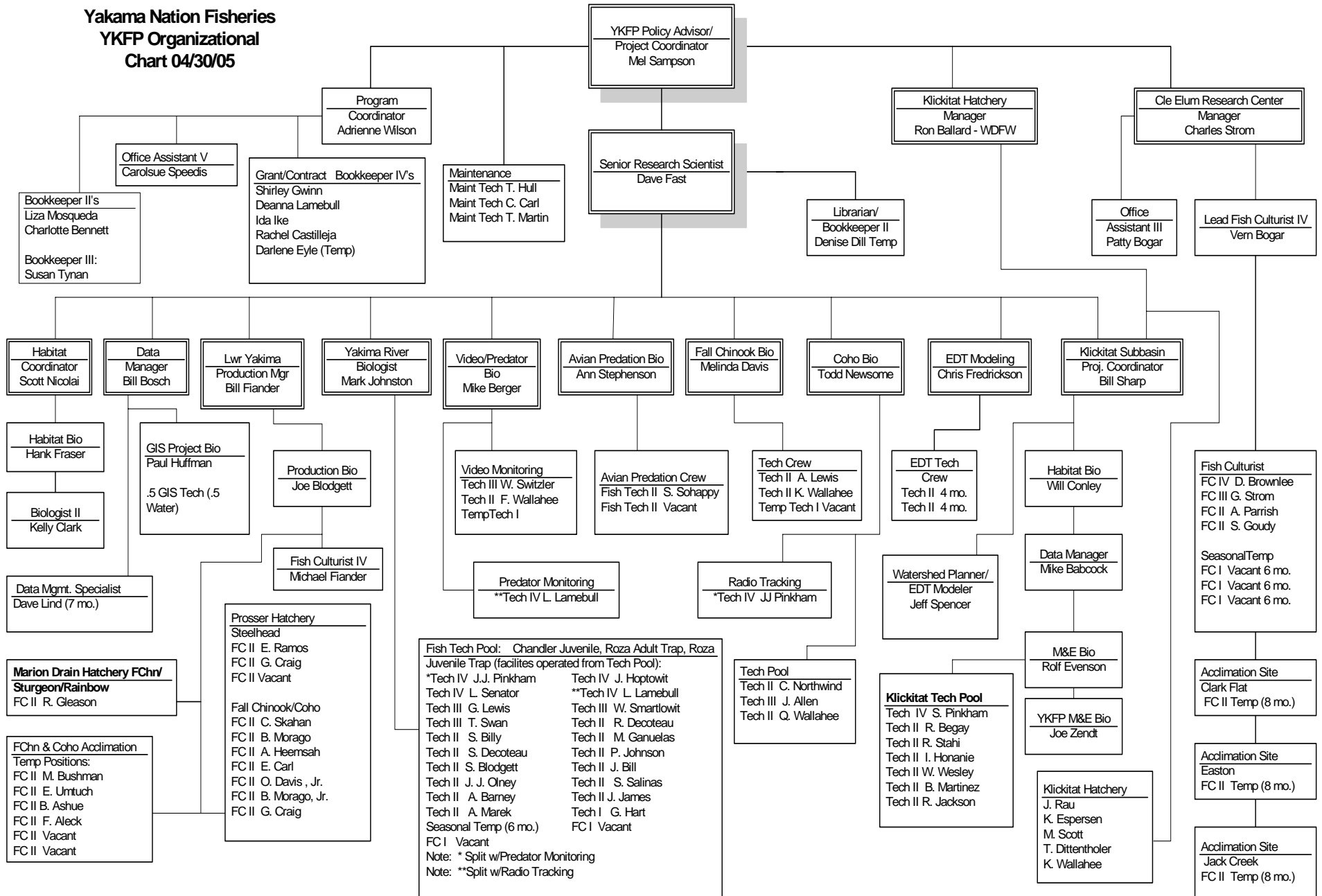
**Technical Writer**  
**Jan-Feb-Mar-Apr 2005**  
**April**  
**Judith Woodward, Crossing Borders**

### **Activities of Judith Woodward (Crossing Borders Communications) for Yakama Nation**

The most significant work done by Crossing Borders Communication this contract year for YKFP was completion of revisions to the Klickitat Master Plan and assistance in editing the Klickitat Subbasin plan. In the Yakima basin, a key YN biologist took a job at another agency, leaving a number of projects in limbo for much of the year. Recently, however, progress has been made on developing a steelhead master plan. That effort is expected to accelerate in Fiscal Year 2005 with development of the complementary Yakima Basin Steelhead and Bull Trout Recovery Plan.

**ATTACHMENT D: YKFP UPDATED ORGANIZATIONAL CHART**

**Yakama Nation Fisheries  
YKFP Organizational  
Chart 04/30/05**



**Figure 3. Yakama Nation Fisheries YKFP Org Chart**

**ATTACHMENT E: FINANCIAL STATUS REPORTS**

**April – May – June 2004**



## FINANCIAL STATUS REPORT

(Short Form)

(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>		2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>		OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
3. Recipient Organization (Name and complete address, including ZIP code) <b>YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES</b> <b>P. O. BOX 151, TOPPENISH, WA 98948</b>					
4. Employer Identification Number <b>91-576806</b>		5. Recipient Account Number or Identifying Number <b>2242.8101</b>		6. Final Report [ ] Yes [ X ] No	
7. Basis [ x ] Cash [ ] Accrual					
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b>			9. Period Covered by this Report From: (Month/Day/Year)   To: (Month/Day/Year) <b>4/1/2004   4/30/2004</b>		
10. Transactions		I	II	III	
		Previously Reported	This Period	Cumulative	
a. Total outlays		0.00	29,452.59	29,452.59	
b. Recipient share of outlays					
c. Federal share of outlays		0.00	29,452.59	29,452.59	
d. Total unliquidated obligations					
e. Recipient share of unliquidated obligations					
f. Federal share of unliquidated obligations					
g. Total Federal share (Sum of lines c and f)				29,452.59	
h. Total Federal funds authorized for this funding period				1,128,956.00	
i. Unobligated balance of Federal funds (Line h minus line g)				1,099,503.41	
11. Indirect Expense					
a. Type of Rate (Place "X" in appropriate box) [ ] Provisional [ ] Predetermined [ ] Final [ X ] Fixed					
b. Rate		c. Base		d. Total Amount	
				e. Federal Share <b>0.00</b>	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>				Telephone (Area code, number and extension) <b>509-865-5121</b>	
Signature of Authorized Certifying Official				Date Report Submitted	
Previous Editions not Usable					
Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110					

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>		2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>		OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
3. Recipient Organization (Name and complete address, including ZIP code) <b>YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES</b> <b>P. O. BOX 151, TOPPENISH, WA 98948</b>					
4. Employer Identification Number <b>91-576806</b>		5. Recipient Account Number or Identifying Number <b>2242.8101</b>		6. Final Report [ ] Yes [ X ] No	
7. Basis [ x ] Cash [ ] Accrual					
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b>			9. Period Covered by this Report From: (Month/Day/Year)   To: (Month/Day/Year) <b>5/1/2004   5/31/2004</b>		
To: (Month/Day/Year) <b>4/30/2005</b>					
10. Transactions					
			I	II	III
			Previously Reported	This Period	Cumulative
a. Total outlays			29,452.59	71,677.71	101,130.30
b. Recipient share of outlays					
c. Federal share of outlays			29,452.59	71,677.71	101,130.30
d. Total unliquidated obligations					
e. Recipient share of unliquidated obligations					
f. Federal share of unliquidated obligations					
g. Total Federal share (Sum of lines c and f)					101,130.30
h. Total Federal funds authorized for this funding period					1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)					1,027,825.70
11. Indirect Expense					
a. Type of Rate (Place "X" in appropriate box) [ ] Provisional [ ] Predetermined [ ] Final [ X ] Fixed					
b. Rate		c. Base		d. Total Amount	
				e. Federal Share	
				0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>				Telephone (Area code, number and extension) <b>509-865-5121</b>	
Signature of Authorized Certifying Official				Date Report Submitted	
Previous Editions not Usable					
Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110					

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>		2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>		OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
3. Recipient Organization (Name and complete address, including ZIP code) <b>YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES</b> <b>P. O. BOX 151, TOPPENISH, WA 98948</b>					
4. Employer Identification Number <b>91-576806</b>		5. Recipient Account Number or Identifying Number <b>2242.8101</b>		6. Final Report [ ] Yes [ X ] No	7. Basis [ x ] Cash [ ] Accrual
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b>			9. Period Covered by this Report From: (Month/Day/Year)   To: (Month/Day/Year) <b>4/30/2005   6/1/2004   6/30/2004</b>		
10. Transactions				<b>I</b>	<b>II</b>
				Previously Reported	This Period
				III	Cumulative
a. Total outlays				101,130.30	53,445.44
b. Recipient share of outlays					
c. Federal share of outlays				101,130.30	53,445.44
d. Total unliquidated obligations					
e. Recipient share of unliquidated obligations					
f. Federal share of unliquidated obligations					
g. Total Federal share (Sum of lines c and f)					154,575.74
h. Total Federal funds authorized for this funding period					1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)					974,380.26
11. Indirect Expense					
a. Type of Rate (Place "X" in appropriate box) [ ] Provisional [ ] Predetermined [ ] Final [ X ] Fixed					
b. Rate		c. Base		d. Total Amount	
				e. Federal Share	
				0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>				Telephone (Area code, number and extension) <b>509-865-5121</b>	
Signature of Authorized Certifying Official				Date Report Submitted	
Previous Editions not Usable					
Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110					

# **FINANCIAL STATUS REPORTS**

**July – August – September 2004**

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>	2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>	OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
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3. Recipient Organization (Name and complete address, including ZIP code)  
**YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES**  
**P. O. BOX 151, TOPPENISH, WA 98948**

4. Employer Identification Number <b>91-576806</b>	5. Recipient Account Number or Identifying Number <b>2242.8101</b>	6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b> To: (Month/Day/Year) <b>4/30/2005</b>	9. Period Covered by this Report From: (Month/Day/Year) <b>7/1/2004</b> To: (Month/Day/Year) <b>7/31/2004</b>
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10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	154,575.74	76,083.10	230,658.84
b. Recipient share of outlays			
c. Federal share of outlays	154,575.74	76,083.10	230,658.84
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			230,658.84
h. Total Federal funds authorized for this funding period			1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)			898,297.16

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share <b>0.00</b>

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>	Telephone (Area code, number and extension) 509-865-5121
Signature of Authorized Certifying Official	Date Report Submitted

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>	2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>	OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
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3. Recipient Organization (Name and complete address, including ZIP code)  
**YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES**  
**P. O. BOX 151, TOPPENISH, WA 98948**

4. Employer Identification Number <b>91-576806</b>	5. Recipient Account Number or Identifying Number <b>2242.8101</b>	6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
---	---	--	--

8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b> To: (Month/Day/Year) <b>4/30/2005</b>	9. Period Covered by this Report From: (Month/Day/Year) <b>8/1/2004</b> To: (Month/Day/Year) <b>8/31/2004</b>
--	--

10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	230,658.84	69,358.37	300,017.21
b. Recipient share of outlays			
c. Federal share of outlays	230,658.84	69,358.37	300,017.21
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			300,017.21
h. Total Federal funds authorized for this funding period			1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)			828,938.79

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share <b>0.00</b>

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>	Telephone (Area code, number and extension) 509-865-5121
Signature of Authorized Certifying Official	Date Report Submitted

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>	2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>	OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
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3. Recipient Organization (Name and complete address, including ZIP code)  
**YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES**  
**P. O. BOX 151, TOPPENISH, WA 98948**

4. Employer Identification Number <b>91-576806</b>	5. Recipient Account Number or Identifying Number <b>2242.8101</b>	6. Final Report [ ] Yes [ X ] No	7. Basis [ x ] Cash [ ] Accrual
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8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b> To: (Month/Day/Year) <b>4/30/2005</b>	9. Period Covered by this Report From: (Month/Day/Year) <b>9/1/2004</b> To: (Month/Day/Year) <b>9/30/2004</b>
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10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	<b>300,017.21</b>	<b>141,142.13</b>	<b>441,159.34</b>
b. Recipient share of outlays			
c. Federal share of outlays	<b>300,017.21</b>	<b>141,142.13</b>	<b>441,159.34</b>
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			<b>441,159.34</b>
h. Total Federal funds authorized for this funding period			<b>1,128,956.00</b>
i. Unobligated balance of Federal funds (Line h minus line g)			<b>687,796.66</b>

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) [ ] Provisional [ ] Predetermined [ ] Final [ X ] Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share <b>0.00</b>

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>	Telephone (Area code, number and extension) 509-865-5121
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Signature of Authorized Certifying Official	Date Report Submitted
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# **FINANCIAL STATUS REPORTS**

**October – November – December 2004**



**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>	2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>	OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
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3. Recipient Organization (Name and complete address, including ZIP code)  
**YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES**  
**P. O. BOX 151, TOPPENISH, WA 98948**

4. Employer Identification Number <b>91-576806</b>	5. Recipient Account Number or Identifying Number <b>2242.8101</b>	6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b> To: (Month/Day/Year) <b>4/30/2005</b>	9. Period Covered by this Report From: (Month/Day/Year) <b>10/1/2004</b> To: (Month/Day/Year) <b>10/31/2004</b>
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10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	430,412.82	76,889.32	507,302.14
b. Recipient share of outlays			
c. Federal share of outlays	430,412.82	76,889.32	507,302.14
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			507,302.14
h. Total Federal funds authorized for this funding period			1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)			621,653.86

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share <b>0.00</b>

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>	Telephone (Area code, number and extension) 509-865-5121
Signature of Authorized Certifying Official	Date Report Submitted

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>		2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>		OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
3. Recipient Organization (Name and complete address, including ZIP code) <b>YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES</b> <b>P. O. BOX 151, TOPPENISH, WA 98948</b>					
4. Employer Identification Number <b>91-576806</b>		5. Recipient Account Number or Identifying Number <b>2242.8101</b>		6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b> To: (Month/Day/Year) <b>4/30/2005</b>			9. Period Covered by this Report From: (Month/Day/Year) <b>11/1/2004</b> To: (Month/Day/Year) <b>11/30/2004</b>		
10. Transactions		I Previously Reported	II This Period	III Cumulative	
a. Total outlays		<b>507,302.14</b>	<b>64,173.95</b>	<b>571,476.09</b>	
b. Recipient share of outlays					
c. Federal share of outlays		<b>507,302.14</b>	<b>64,173.95</b>	<b>571,476.09</b>	
d. Total unliquidated obligations					
e. Recipient share of unliquidated obligations					
f. Federal share of unliquidated obligations					
g. Total Federal share (Sum of lines c and f)				<b>571,476.09</b>	
h. Total Federal funds authorized for this funding period				<b>1,128,956.00</b>	
i. Unobligated balance of Federal funds (Line h minus line g)				<b>557,479.91</b>	
11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) [ ] Provisional [ ] Predetermined [ ] Final [ <input checked="" type="checkbox"/> ] Fixed				
	b. Rate	c. Base	d. Total Amount	e. Federal Share	<b>0.00</b>
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>			Telephone (Area code, number and extension) <b>509-865-5121</b>		
Signature of Authorized Certifying Official			Date Report Submitted		
Previous Editions not Usable					
Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110					

## FINANCIAL STATUS REPORT

(Short Form)

(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted. BONNEVILLE POWER ADMINISTRATION		2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>		OMB Approval No. <b>0348-0039</b>	Page of 1   1	
3. Recipient Organization (Name and complete address, including ZIP code) <b>YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES P. O. BOX 151, TOPPENISH, WA 98948</b>						
4. Employer Identification Number 91-576806		5. Recipient Account Number or Identifying Number 2242.8101		6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual	
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) 4/1/2004			9. Period Covered by this Report From: (Month/Day/Year)   To: (Month/Day/Year) 4/30/2005   12/1/2004   12/31/2004			
10. Transactions				I Previously Reported	II This Period	III Cumulative
a. Total outlays				571,476.09	75,354.60	646,830.69
b. Recipient share of outlays						
c. Federal share of outlays				571,476.09	75,354.60	646,830.69
d. Total unliquidated obligations						
e. Recipient share of unliquidated obligations						
f. Federal share of unliquidated obligations						
g. Total Federal share (Sum of lines c and f)						646,830.69
h. Total Federal funds authorized for this funding period						1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)						482,125.31
11. Indirect Expense		a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed				
		b. Rate	c. Base	d. Total Amount	e. Federal Share 0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.						
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>				Telephone (Area code, number and extension) 509-865-5121		
Signature of Authorized Certifying Official				Date Report Submitted		
Previous Editions not Usable						
Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110						

## **Financial Status Reports**

**Jan-Feb-Mar-Apr 2005**

**April 2005 Pending**

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>		2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>		OMB Approval No. <b>0348-0039</b>	Page of 1   1	
3. Recipient Organization (Name and complete address, including ZIP code) <b>YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES P. O. BOX 151, TOPPENISH, WA 98948</b>						
4. Employer Identification Number 91-576806		5. Recipient Account Number or Identifying Number 2242.8101		6. Final Report [ ] Yes [ X ] No	7. Basis [ x ] Cash [ ] Accrual	
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) 4/1/2004			9. Period Covered by this Report From: (Month/Day/Year)   To: (Month/Day/Year) 4/30/2005   1/1/2005   1/31/2005			
10. Transactions				I Previously Reported	II This Period	III Cumulative
a. Total outlays				645,794.34	51,145.59	696,939.93
b. Recipient share of outlays						
c. Federal share of outlays				645,794.34	51,145.59	696,939.93
d. Total unliquidated obligations						
e. Recipient share of unliquidated obligations						
f. Federal share of unliquidated obligations						
g. Total Federal share (Sum of lines c and f)						696,939.93
h. Total Federal funds authorized for this funding period						1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)						432,016.07
11. Indirect Expense		a. Type of Rate (Place "X" in appropriate box) [ ] Provisional [ ] Predetermined [ ] Final [ X ] Fixed				
		b. Rate	c. Base	d. Total Amount	e. Federal Share 0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.						
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>				Telephone (Area code, number and extension) 509-865-5121		
Signature of Authorized Certifying Official				Date Report Submitted		
Previous Editions not Usable						
Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110						

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>	2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>	OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
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3. Recipient Organization (Name and complete address, including ZIP code)  
**YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES**  
**P. O. BOX 151, TOPPENISH, WA 98948**

4. Employer Identification Number <b>91-576806</b>	5. Recipient Account Number or Identifying Number <b>2242.8101</b>	6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b> To: (Month/Day/Year) <b>4/30/2005</b>	9. Period Covered by this Report From: (Month/Day/Year) <b>2/1/2005</b> To: (Month/Day/Year) <b>2/28/2005</b>
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10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	696,939.93	68,646.90	765,586.83
b. Recipient share of outlays			
c. Federal share of outlays	696,939.93	68,646.90	765,586.83
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			765,586.83
h. Total Federal funds authorized for this funding period			1,128,956.00
i. Unobligated balance of Federal funds (Line h minus line g)			363,369.17

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share
				0.00

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>	Telephone (Area code, number and extension) 509-865-5121
Signature of Authorized Certifying Official	Date Report Submitted

**FINANCIAL STATUS REPORT**

*(Short Form)*

*(Follow instructions on the back)*

1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>	2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>	OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
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3. Recipient Organization (Name and complete address, including ZIP code)  
**YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES**  
**P. O. BOX 151, TOPPENISH, WA 98948**

4. Employer Identification Number <b>91-576806</b>	5. Recipient Account Number or Identifying Number <b>2242.8101</b>	6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b> To: (Month/Day/Year) <b>4/30/2005</b>	9. Period Covered by this Report From: (Month/Day/Year) <b>3/1/2005</b> To: (Month/Day/Year) <b>3/31/2005</b>
--	--

10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	<b>765,586.83</b>	<b>74,546.37</b>	<b>840,133.20</b>
b. Recipient share of outlays			
c. Federal share of outlays	<b>765,586.83</b>	<b>74,546.37</b>	<b>840,133.20</b>
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			<b>840,133.20</b>
h. Total Federal funds authorized for this funding period			<b>1,128,956.00</b>
i. Unobligated balance of Federal funds (Line h minus line g)			<b>288,822.80</b>

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share
<b>0.00</b>				

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>	Telephone (Area code, number and extension) 509-865-5121
Signature of Authorized Certifying Official	Date Report Submitted

**FINANCIAL STATUS REPORT**

*(Short Form)*

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1. Federal Agency and Organizational Element to Which Report is Submitted. <b>BONNEVILLE POWER ADMINISTRATION</b>		2. Federal Grant or Other Identifying Number Assigned By Federal Agency <b>Contract #17274 Project # 1988-120-25</b>		OMB Approval No. <b>0348-0039</b>	Page of <b>1   1</b>
3. Recipient Organization (Name and complete address, including ZIP code) <b>YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES P. O. BOX 151, TOPPENISH, WA 98948</b>					
4. Employer Identification Number <b>91-576806</b>		5. Recipient Account Number or Identifying Number <b>2242.8101</b>		6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) <b>4/1/2004</b>			9. Period Covered by this Report From: (Month/Day/Year)   To: (Month/Day/Year) <b>4/1/2005   4/30/2005</b>		
10. Transactions				I	II
				Previously Reported	This Period
				III	Cumulative
a. Total outlays				<b>840,133.21</b>	<b>163,298.44</b>
b. Recipient share of outlays					
c. Federal share of outlays				<b>840,133.21</b>	<b>163,298.44</b>
d. Total unliquidated obligations					
e. Recipient share of unliquidated obligations					
f. Federal share of unliquidated obligations					
g. Total Federal share (Sum of lines c and f)					<b>1,003,431.65</b>
h. Total Federal funds authorized for this funding period					<b>1,128,956.00</b>
i. Unobligated balance of Federal funds (Line h minus line g)					<b>125,524.35</b>
11. Indirect Expense					
a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed					
b. Rate		c. Base		d. Total Amount	
				e. Federal Share	
				<b>0.00</b>	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title <b>Chairman Yakama Tribal Council</b>				Telephone (Area code, number and extension) <b>509-865-5121</b>	
Signature of Authorized Certifying Official				Date Report Submitted	
Previous Editions not Usable				Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110	



## **EQUIPMENT REPORT 2005**

**EQUIPMENT LIST FOR BPA**

**YKFP Management, Data & Habitat**

**CONTRACT NUMBER: 17274**

**PROJECT NUMBER:**

**1988-120-25**

**FUND NUMBER:**

**2242**

**Location: 1. Headquarters 2. Chandler 3. Prosser 4. Roza 5. Nelson Springs 6. Hatchery 7. Klickitat 8. Cle Elum 9. WDFW 10. Missing/Stolen**  
**Condition: 4. Good 5. Fair 6. Poor 7. Salvageable 8. Missing/Stolen**

No.	ITEM DESCRIPTION	VENDOR	MAKE/ MODEL	SERIAL NUMBER	YEAR	PROPERTY NUMBER	DOC. NUMBER	ITEM COST	LOC/ COND
1	PENTIUM 4 PROCESSOR	GATEWAY COMPANIES INC	MFATXHRNMDPE4100	33167976	2004	15681	150055	\$2,430.00	1/4
2	PENTIUM 4 PROCESSOR	GATEWAY COMPANIES INC	MFATXHRNMDPE4100	33167977	2004	15682	150055	\$2,430.00	1/4
3	MONITOR	GATEWAY COMPANIES INC	FPD1730	MUL7007A0085005	2004	15681	150055	\$0.00	1/4
4	MONITOR	GATEWAY COMPANIES INC	FPD1730	MUL7007A0085038	2004	15681	150055	\$0.00	1/4
5	SPEAKER	GATEWAY COMPANIES INC	G-MAX 2000	604004159	2004	15681	150055	\$0.00	1/4
6	SPEAKER	GATEWAY COMPANIES INC	G-MAX 2000	604004155	2004	15682	150055	\$0.00	1/4
7	BATTERY	GATEWAY COMPANIES INC	BP500VC	PB0352222040	2004	15682	150055	\$0.00	1/4
8	BATTERY	GATEWAY COMPANIES INC	BP500VC	PB0352222202	2004	15681	150055	\$0.00	1/4
9	POCKET PC HP	CDW GOVERNMENT INC	H4100 SERIES	TWC4241420	2004	16048	154888	\$449.00	1/4
10	POCKET PC HP	CDW GOVERNMENT INC	H4100 SERIES	TWC4241405	2004	16045	154888	\$449.00	1/4
11	POCKET PC HP	CDW GOVERNMENT INC	H4100 SERIES	TWC4241430	2004	16046	154888	\$449.00	1/4
12	EXTERNAL HARD DRIVE	CDW GOVERNMENT INC	WD1600B011-RNN	WNAES3921218	2004	16262	157381	\$208.88	1/4
13	3 HOLE PUNCH SWINGLINE	OFFICE DEPOT BUSINESS SERVICE	650	804658	2004	16245	157388	\$188.25	1/4
14	3 HOLE PUNCH SWINGLINE	OFFICE DEPOT BUSINESS SERVICE	650	801168	2004	16247	157388	\$188.25	1/4
15	INTEL PENTIUM PC4	GATEWAY COMPANIES INC	MFATXPNT E400	34187529	2004	16201	155130	\$2,388.00	1/4
16	INTEL PENTIUM PC4	GATEWAY COMPANIES INC	MFATXPNT E400	34187530	2004	16202	155130	\$2,388.00	1/4
17	FILM SCANNER	FISRST CALL SOLUTIONS	LS-5000ED	217207	2004	16302	158223	\$1,026.00	5/4
18	DIGITAL CAMERA	FISRST CALL SOLUTIONS	POWERSHOT A85	8722111140	2004	16296	158223	\$299.00	5/4
19	DIGITAL CAMERA	FISRST CALL SOLUTIONS	DS126061	420109950	2004	16297	158223	\$1,599.00	5/4
20	WC-DCS WIDE CONVERTER	FISRST CALL SOLUTIONS	CANNON	*NA	2004	*NA	158223	\$143.00	5/4
21	TC-DC52 TELE CONVERTER	FISRST CALL SOLUTIONS	CANNON	*NA	2004	16309	158223	\$87.00	5/4
22	SCANNER	FISRST CALL SOLUTIONS	NIKOSF210	217207	2004	16302	158223	\$465.00	5/4
23	POCKET PC HP	CDW GOVERNMENT INC	H4350 SERIES	TWC4341BM	2004	16299	157268	\$497.75	1/4
24	POCKET PC HP	CDW GOVERNMENT INC	H4350 SERIES	TWC4341CKS	2004	16300	157268	\$497.75	1/4
25	EXTERNAL HARD DRIVE	CDW GOVERNMENT INC	ONE TOUCH	Y622ZVCE	2004	16301	158224	\$269.21	5/4
26	LENS: CANNON	CDW GOVERNMENT INC	ULTRA SONIC/IMAGE STAB	92201981	2004	16309	158224	\$528.63	5/4
27	COPIER/FAX	CASCADE COPIERS, INC	ZF25 W2F25 4020021	4020021	2004	**PENDING	153286	\$4,869.00	5/4
28	BATTERY UNIT	CDW GOVERNMENT INC	1500VA	**PENDING	2004	NONE	157936	\$498.70	1/4
29	INTEL PENT PROCESS	GATEWAY COMPANIES INC	MFATXAEGWSPE6100	34117005	2004	16191	155128	\$1,818.00	5/4
30	BATTERY BACKUP	GATEWAY COMPANIES INC	F6H500-USB-GW	1A034401817W8	2004	16191	155128	\$0.00	5/4

31	SPEAKERS	GATEWAY COMPANIES INC	G-MAX2000	3304009374	2004	16191	155128	\$0.00	5/4
32	INTEL PENT PROCESS	GATEWAY COMPANIES INC	MFATXAEGWSPE6100	34117006	2004	16192	155128	\$1,818.00	5/4
33	BATTERY BACKUP	GATEWAY COMPANIES INC	F6H500-USB-GW	1A034401818WO	2004	16192	155128	\$0.00	5/4
34	SPEAKERS	GATEWAY COMPANIES INC	G-MAX2000	3304009354	2004	16192	155128	\$0.00	5/4
35	INTEL PENT PROCESS	GATEWAY COMPANIES INC	MFATXAEGWSPE6100	34117004	2004	16193	155128	\$1,818.00	5/4
36	BATTERY BACKUP	GATEWAY COMPANIES INC	F6H500-USB-GW	1A034401797WO	2004	16193	155128	\$0.00	5/4
37	SPEAKERS	GATEWAY COMPANIES INC	G-MAX2000	33040093262	2004	16193	155128	\$0.00	5/4
38	HP COLOR LASERJET	CDW GOVERNMENT INC	Q3670A	SJPHAB17929	2005	16617	165372	\$2,299.00	5/4
39	MAXTOR 300 GS USB DISK	CDW GOVERNMENT INC	ONE TOUCH II	B6ORR68H	2005	16641	165835	\$293.04	5/4
40	DIGITAL EXT HARD DRIVE	CDW GOVERNMENT INC	WD2500 BO11-RNN	WCAL71935899	2005	16529	163736	\$290.78	5/4
41	DIGITAL PROJECTOR	CDW GOVERNMENT INC	MP 3130	TWC4290570	2005	16850	167760	\$2,799.00	5/4
42	PENTIUM 4 PROCESSOR	GATEWAY COMPANIES INC	AKMBTXNIA SL2 E63	35022132	2005	16876	167374	\$2,248.00	1/4
43	MONITOR	GATEWAY COMPANIES INC	FPD1730	MUL7007K0025	2005		167374	\$0.00	1/4
44	SPEAKERS	GATEWAY COMPANIES INC	G-MAX 2000	405008007	2005		167374	\$0.00	1/4
45	BACKUP BATTERY	GATEWAY COMPANIES INC	550VA	20104B55719W	2005		167374	\$0.00	1/4
46	2-BURNER POT	YAKIMA BINDERY	VPR BLACK	VPR0362066	2005	16887	168323	\$389.00	1/4
47	GPS-GARMIN	LAB SAFETY SUPPLY	**PENDING	**PENDING	2005	16932	168010	\$270.00	
48	RAFT	NORTHWEST RIVER SUPPLY	**PENDING	**PENDING	2005	**PENDING	168855	\$3,152.00	
49	60 NRS BIGHORN FRAME	NORTHWEST RIVER SUPPLY	**PENDING	**PENDING	2005	**PENDING	168855	\$355.96	
50	MISC SMALL RAFT ITEMS	NORTHWEST RIVER SUPPLY	**PENDING	**PENDING	2005	**PENDING	168855	\$839.32	5/4
51	HP SCANJET 7650	CDW GOVERNMENT INC	SCANJET 7650/L1940A	CN4CST612J	2005	16997	169852	\$658.34	5/4
52	GPS-GARMIN	LAB SAFETY SUPPLY	ETREX	26545148	2005	17001	169827	\$270.00	5/4
53	CANNON CALCULATOR	YAKIMA BINDERY	**PENDING	**PENDING	2005	**PENDING	170516	\$49.95	1/4
54	BOOKCASE	YAKIMA BINDERY	**PENDING	**PENDING	2005	**PENDING	170516	\$330.00	1/4
55	STORAGE CABINET	YAKIMA BINDERY	**PENDING	**PENDING	2005	**PENDING	170516	\$399.95	1/4
56	LABELMAKER	YAKIMA BINDERY	**PENDING	**PENDING	2005	**PENDING	170516	\$99.99	1/4
57	CANNON DIGITAL CAMERA	FIRST CALL SOULUTIONS	**PENDING	**PENDING	2005	**PENDING	169853	\$530.00	1/4
58	FAX MACHINE	LASERTECH NORTHWEST	**PENDING	**PENDING	2005	**PENDING	170130	\$895.00	1/4
59	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17012	168942	236.61	1/4
60	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17013	168942	236.61	1/4
61	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17014	168942	236.61	1/4
62	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17015	168942	236.61	1/4
63	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17016	168942	236.61	1/4
64	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17017	168942	236.61	1/4
65	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17018	168942	236.61	1/4
66	FILE CABINET	NATIONAL BUSINESS SUPPLIES	ACO6605	EA4R361872-05	2005	17019	168942	236.61	1/4
67	VERTICAL 3-DRWR FILE CABINET/CEYLON	NATIONAL BUSINESS SUPPLIES	3 DRAWER	W/LOCK	2005	17092	168942	256.41	1/4
68	VERTICAL 3-DRWR FILE CABINET/CEYLON	NATIONAL BUSINESS SUPPLIES	3 DRAWER	W/LOCK	2005	17093	168942	256.41	1/4
69	15" LAMINATE TOP VERTICAL FILE/LT OAK	NATIONAL BUSINESS SUPPLIES	**PENDING	**PENDING	2005	**PENDING	168942	74.25	1/4
70	15" LAMINATE TOP VERTICAL FILE/LT OAK	NATIONAL BUSINESS SUPPLIES	**PENDING	**PENDING	2005	**PENDING	168942	74.25	1/4
71	6-FOLLOWER PLATE	NATIONAL BUSINESS SUPPLIES	**PENDING	**PENDING	2005	**PENDING	168942	606.34	
72	46" STORAGE CABINET-RESINITE	NATIONAL BUSINESS SUPPLIES	**PENDING	**PENDING	2005	**PENDING	168942	453.42	

MANAGEMENT TOTAL \$47,585.71

## YAKIMA/KLICKITAT FISHERIES PROJECT

### ATTACHMENT F: POLICY GROUP MINUTES

Policy Group Minutes: April – May - June 2004

#### MEMORANDUM

**DATE:** April 21, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs on April 21, 2004. In attendance were Dr. Dave Fast, Scott Nicolai, Pat Monk, David Byrnes, Charles Strom, Bill Fiander, Todd Pearson, Todd Newsome, John Easterbrooks, Pat Spurgin, Bill Bosch and Patti Smith by phone. Melvin unable to attend meeting today and Bill Sharp not in attendance.

#### AGENDA REVIEW:

- Todd Newsome will be doing Melinda's report.
- Sulpher Creek – Pat Monk BOR

#### **SULPHER CREEK:** Pat Monk BOR

- Sulpher Creek Barrier, Spring Creek, Snipes Creek
- Hydraulic pump-to-pump water. No electric pumps back when installed.
- Sulpher Creek is a excavated drainage.
- BOR wants to treat these waterways as waste ways.
- Snipes is closer to a natural, Sulpher and Spring Creek are not good for salmonids.
- BO back from the city; on steelhead. In order to mitigate in creek, need to remove culvert.
- 40-70 redds of Coho in this area.
- A perched culvert can be real shallow but...passable by adults and other fish at high flows.
- NOAA is the one suggested the mitigation.
- BO was written by the Lacey office?
- YKFP Coho that are spawning in these channels.
- Water quality temp study?
- Spring Creek has Coho; fall Chinook and brown trout.
- We need to get to a place that has resolution.
- As an alternative? We don't have any right now?
- Asking YKFP to take these into consideration.
- Action Item; would be to contact NOAA fish. Would the YKFP group be willing to join in?
- Todd Newsome recommends to stop fish from going in Sulpher Creek. Use barrier or something.

- Get all agencies interested and talking about a solution on the project that everyone agrees with.
- Dave Fast asked that Pat Monk coordinate a meeting with state, tribe and irrigations. Also, find out who at NOAA wrote the BO whether it was the Lacey Office or who?

**STAC:** Dave Fast & Todd Pearson

- PAR June 15<sup>th</sup> and 16<sup>th</sup> during spring break at Central.
- Sent e-mail to Paul James and Walt Larrick Coordinating Committee
- Send out a updated agenda so we can start finalizing.
- Joel Hubble last day is May 7<sup>th</sup>, 2004. He has been hired by BOR.
- Review draft of Subbasin Plan.
- Open house held at Yakima, Ellensburg, Richland and Toppenish for the Subbasin Plan.
- Series of meetings for public meeting comment sheets.
- Toppenish on Thursday night.
- Concerns about lands taken off County Tax Revenue.
- Folks still on schedule on getting these out.
- Work to do with key findings. Working with County 5/4/04 meeting on this at Nelson Springs 9:00 am.
- Comments are due May 6<sup>th</sup>.
- Edited and polished up so they can get ready by the 23<sup>rd</sup>.

**HGMP's** Dave Fast & Todd Pearson

- End of March suppose to be done but now end of April?
- Bill Sharp & Dave Fast meeting April 29<sup>th</sup> with Foster & Applegate.
- What needs to be produced?
- People want the Subbasin Plan to go through the HGMP process.
- David Byrnes would like information so he can sit in on this meeting also.
- Lar's indicated that it should be a 1-3 page summary document.
- MP's/HGMP's are all the same document in different formats. This is what's frustrating.
- May 1<sup>st</sup> a slug of reports will be out. Two week turn around time.
- David B. indicated that quarterly and annual reports need to be submitted to BPA.

**OPERATIONS:**

**Cle Elum Hatchery:** Charles Strom

- April focused on getting newly ponded fry off to a good start.
- Fish are being given a light does of feed once every hour.
- Fry are on well water & at end of month; each pond was receiving 150 gallons per minute.
- End of the month samples for 2003 brood indicated fingerlings are at 992 fish/lb.
- Fingerlings were transferred to rearing ponds starting 4/14 and concluded on 4/16.
- Estimated fingerlings transferred to 18 raceways totaled 827,315 and average size at transfer was 1,395 fish per pound.
- End of April 819,547 fisher were estimated to be on-hand after April mortalities.
- Per recommendation by MIPT rearing strategies for 2003 brood include using automatic feeders on all ponds when fish reach 300 per pound.
- Don Larsen's precocial study began with 2003 brood as 4,800 fry (300 per tub) were transferred to circulars on 4/18/04. WDFW also transferred 16,126 hatchery and wild fry from incubation to their research tanks.
- All wells are operating, except well #3 and supplying water to rearing & adult ponds.
- Pond levels at each acclimate site have been lowered by depth equivalent to three boards. Jack Creek satellite data transmission had problems, PSMFC technician assured staff that no data was lost and repaired the problem.
- Chiller was shut down once fry were removed from incubators.
- No river pumps operated during April.
- All wells excluding #3 are in use and supply well water to rearing, adult, and channel ponds. Levels are monitored and recorded daily.
- Kittitas Irrigation representative Walter Coble stopped by to check on irrigation for wetlands (outfall), he will be the contact person for upcoming irrigation season.

**Prosser:** Bill Fiander

**Prosser Hatchery**

- 3/2/04 Poned accelerated Chinook to Upper raceways.
- 3/6/04 Spray on liners applied at PH
- 3/8/04 Sampled lower raceways
- 3/10/04 Put in new pump at steelhead
- 3/11/04 Poned YNPCO 03-01
- 3/22/04 Poned YNPCP 03-03
- **Marion Drain Hatchery:**
- Fall Chinook are ponded and being reared at Hatchery. Regular maintenance continues daily – cleaning screens, feeding Chinook and trout and general upkeep. Maintenance crew is renovating, repairing and fabricating equipment needed by all YKFP projects at the Marion Darin shop.
- **Administrative**
- 3/3/04 Policy Group Meeting at Cle Elum Hatchery
- 3/17/04 Started steelhead contract through system.
- 3/18/04 Shirley G. and Rachel C. office assessment of PH and MDH.
- Finished next year's AOP.
- **Fall Chinook and Coho Acclimation:**
- 3/1/04 YN delivered Coho from PH to Lost Creek (2 trucks). WDFW delivered Coho from Willard NFH to Stiles (4 trucks).
- 3/2/04 YN delivered Coho from PH to Lost Creek (2 trucks). WDFW delivered Coho from Willard NFH to Stiles (2 trucks). WDFW delivered Coho from Willard NFH to Homes ( 2 trucks).
- 3/3/04 YN delivered Coho from PH to Lost Creek (2 trucks)
- 3/4/04 YN delivered Coho from PH to Lost Creek (2 trucks)
- 3/5/04 YN delivered Coho from PH to Boone (2 trucks).
- 3/17/04 Sampled Coho at acclimation sites.
- 3/22/04 YN delivered Coho from Willard NFH to Winthrop.
- 3/25/04 YN delivered Coho from Willard NHF to Winthrop.
- 3/29/04 Collected Coho from acclimation sites for fish health exam.
- 3/30/04 LCRFHC exam of Coho at Toppenish office.
- 3/1/04 Daily fish culture at all Coho acclimation sites.

**Prosser Hatchery, March 2004 YNPCO 02, Coho YAKIMA**

Day & Size	Pond #	Fish on Hand			Mortality		
		lbs.	No.	Size	No.	Lbs	Food fed Brand
03/31/04	RW1	1071.4	15,000	14.00	7	50	2.5 Skretting
03/31/04	RW5	1076.6	14,750	13.70	12	50	2.5 Skretting

**Prosser Hatchery, March 2004 WCO-02 Coho WILLARD & EAGLE CREEK**

Day & Size	Pond #	Fish on Hand			Mortality		
		lbs.	No.	Size	No.	Lbs	Food fed Brand
03/31/04	RW2	5656.4	85,016	15.03	0	110	2.5 Skretting
	RW3	4657.0	85,036	18.26	0	89	2.5 Skretting
	RW4	6313.6	85,044	13.47	0	85	2.5 Skretting
	RW6	3863.2	78,539	20.33	0	114	2.5 Skreeting
	RW7	1861.2	31,213	16.77	0	45	2.5 Skreeting

**Prosser Hatchery, March 2004 YNPFC-03-01 & 03-02 Fall Chinook**

Fish on Hand				Mortality			
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Day	Pond #	lbs	No.	Size	No.	Lbs	Food fed Brand & Size
03/31/04	RW1	2381.1	480,985	202.00	83600.00	965	#1,#2 Crum - Skretting
	lr3,lr4	214.5	169,454	490.00	550	57	#0 Crum - Skretting

**Prosser Hatchery, March 2004 Steelhead**

Day	Pond #	Fish Collected	Fish on Hand	Mortality	Released/bad shape	Food Fed
03/31/04		92	76	4	12	Krill & Pellets

**Pond Temperatures:**

<b>WATER SOURCE</b>	<b>YAKIMA</b>
<b>Maximum</b>	
<b>Minimum</b>	
<b>Average</b>	<b>48.0</b>

**Habitat:** Scott Nicolai

- Hanson Ponds, ten laborers re-vegetating, weeding till the third week in May.
- WDFW can plant the Kiwanis Pond more frequently.
- 100 fry swim up Hanson ponds.
- Took Richard Visser up to show him were SRFB money was spent.
- Application submitted for Holmes.
- Citizen committee may not want to fund these projects.
- Weed control at hatchery. A new noxious weed that weed control people want controlled. Chemical control Americorp may do some work? But, may need to hire contractor for weed control because of licensing.
- David B and Scott are working on Land Acquisition.
- Thursday 4/22 will go out and look at some properties.
- Pilot project: (David B) large tracks of land all purchases are placed on hold and this are affecting the purchases of small parcels of land in the Cle Elum area.

**COHO:** Todd Newsome

- Master Plan Tanum Creek, using head gate or pig tail on BOR, this is in the Master Plan and would like to do as soon as possible. If this is approved.
- NEPA needs to be done before any acclimation site. Lost Creek, Stiles, Holmes, Boone and Easton. But not using this year.
- Fish are moving out good. Already hit McNary.

**FALL CHINOOK:**

- 52,000 Fish released ½.
- 4/22 2<sup>nd</sup> group released
- Prosser clipping fish, two groups of 80,000
- Beach seining, upper coddle clipping

**DATA:** Bill Bosch

- Spring Chinook run 12,650 at Bonneville, last few day counts, Pit tag have been showing up their below Prosser. Our tribal group caught one maybe by end of this week may see one at Roza.
- Three technicians plus Mike Berger are watching the counts on video.
- Watch McNary counts.
- Will do the best we can at Prosser.
- Data captive equipment is working at Prosser working w/ Joe B. rewiring.

**NELSON SPRINGS:** David Byrnes

- Tillman Creek: May meetings will discuss Nelson Spring & Tillman Creek.
- Address Tillman Creek as an urgent matter.
- Meeting at Walla Walla on the 10<sup>th</sup> and 11<sup>th</sup>.
- Spoke with Mark Fritsch re: Scope change request submitted by Adrienne; this effects Hank's position as well as re-establish safe access.
- Update all contract data for a June or July start-up date: build monitoring in 05 & 06, burn rate ect.
- Re-negotiating easement with Ellensburg Cement.
- Only access is down by the river, south end.
- Need a temporary easement with Ellensburg Cement.
- Need a temporary right now and get something permanent.
- Scott thinks maybe we don't need a permanent access road?
- **BUDGET:** David Byrnes
- Council working with BPA staff on 05 budgets.
- Meeting this week CBFWA; Council; BPA working with budgets; staying with in their budgets, moving through all providences this week and next week doing the plateau.
- In terms of the Klickitat were working on. No short list of problems to deal with at this time.
- 05 Budget circulating around by June 2004.

**NEPA:** Patti Smith

- New sites?
- Proposed new site at Tanum Creek?
- Realize that these are only in Master Plan but want to take a look at these in the long run.
- May look at stuff like information submitted for the Boone Pond acclimation site.
- Are these going to be permanent sites?
- Upgrades to Prosser are done.
- Klickitat Master Plan just needs to strategize on how were going to incorporate comments.
- Judith is talking with Bill Sharp in regards to the HGMP's.
- Weed control at the Hatchery.

Meeting Adjourned:

**Next Meeting Date: May 19<sup>th</sup>, 2004 Tentative at Wahkiacus Field Office.**



## MEMORANDUM

**DATE:** June 21, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The May 19, 2004 PG meeting was held at the Wahkiacus YKFP Office Facility on the Klickitat. Those in attendance were Melvin Sampson, John Easterbrooks, David Byrnes, Dave Fast, Todd Pearsons, Bill Sharp, Todd Newsome, Scott Nicolai, Charles Strom, Melinda David, Joe Blodgett, Will Conley, Rolf Evenson, Mike Babcock. Carol Sue unable to attend meeting and take minutes.

*These notes are not an exact accounting of what occurred, just the best of what Dave Fast could remember.*

The May PG meeting was called to order at 9:25 AM.

### STAC agenda Items.

- Reviewed the Agenda for the Yakima Basin Science and Management Conference to be held at Central Washington University on June 15 and 16, 2004. Agenda attached.
- Bill Sharp gave an update on the Klickitat Subbasin Plan (KSBP). He said that the KSBP was under final review and would go to the technical writer the following week. Klickitat County was unhappy with the process and would be appending a letter to the NPCC with the KSBP.
- Bill also stated that the Klickitat Master Plan, for all species, had been submitted to the NPCC at their monthly meeting held in Walla Walla on May 11.
- Todd Newsome gave an update on the Coho Master Plan. Todd stated that there were still a couple of items that needed to be completed, and that the technical writer was working on finishing the Plan.
- Dave Fast gave an update on the Yakima Subbasin Plan (YSBP). The YSBP was essentially completed and would be delivered to the NPCC on May 28. The YSBP is still being called a draft plan. The ISRP will review the YSBP (beginning with the presentation of the plan to the ISRP, ISAB, and PRG) on June 14 and 15 in Yakima).
- Reprint from Bill Bosch on the status of brood stock collect, run size update for Prosser and Roza, etc. Bills report is attached to notes.
- John Easterbrooks reported on the operation of Roza dam to help with the bypass of smolts. Mark Johnston had observed that the pool at Roza was home to large schools of smolts that wouldn't go through the screen bypass or the tucked spill over the crest of the dam. BOR has made a release of water under a new protocol to facilitate passage of these smolts through the Roza dam.

### Operations

- Charles Strom gave an update on the operations at the Cle Elum Supplementation and Research Facility. Charles has this report that can be appended to these notes.
- Joe Blodgett reported on the operations at Prosser. Released the Marion Drain Fall Chinook on April 19. About 55,000 of these released with about 2000 PIT tagged. The accelerated falls were delayed in release due to fish health issues. The conventional treatment was released on May 17. Little White falls were released in April with 80,000 CWT and 20,000 PIT tagged.
- Coho were taken to acclimation sites. About 60,000 in basin juveniles.
- Steelhead Kelts = have about 550 adults on station in the circular ponds. There were two short term releases, one on May 3 (63 fish) and one on May 11 (over 100 fish). Some of these fish were given surgically implanted acoustic tags and others were given radiotags.

- Scott Nicolai reported on acquisitions – there are two parcels in the lower Naches which need to be done by September. One parcel in Easton area, and Holmes property continues to be unresolved to funding. The Hanson Ponds project is almost completed, about half of it is revegetated at this time. Scott is working with the local newspaper and other media to publicize the project. Manastash project that is designed to consolidate four diversions into one will open about 25 miles of steelhead habitat.
- Melinda Davis described the fall chinook monitoring project that she is conducting in the middle Yakima river sections. Melinda is attempting to monitor the growth rates of juvenile falls in various sections of the Yakima, from Gap to Gap down to the lower river. Melinda has started the work on preparing a Master Plan for the Fall Chinook in the Yakima. We had a one day Workshop to try to get all of the agencies that have worked on monitoring falls in the basin to contribute their information to Melinda. Large project.
- Bill Sharp reported on the operations at the Klickitat hatchery. About 3500 adult spring salmon back to the Klickitat. Hatchery has about 40% of the needed adults for brood stock. Need about 500 fish. Lyle Falls proposed Fishway Improvement – Hydraulic Conditions Report is out. Bill is finishing up the Klickitat Hatchery HGMP, which will be appended to the KSBP. Castille falls passage is working. The Klickitat Transition has a transfer date of Oct 1, 2004. Working on the Castille MOU, Deed Transfer, and Lyle Falls MOA.
- The Wahkiacus staff reported on their activities. Rolf Evenson described the Lyle trap regression that he was developing. Also talked about the Steelhead Spawned surveys. White Creek has about 40% of the steelhead redds in the Klickitat system. Will Conley reported on the grants that he is writing, to the Columbia Land Trust for riparian revegetation, and also several Salmon Recovery Fund proposals. Mike Babcock reported on the data management in the Klickitat. He has a report that can be appended.
- Bill Bosch did not attend the meeting but sent in a report. This can be appended to the meeting notes.
- 

#### Construction and Maintenance

- Charles Strom reported on the status of the acclimation site pumps.
- David Byrnes reported on the Previous weeks NPCC meeting where the Nelson Springs M&E building proposal was tabled for the current time. The NPCC suggested that the project proponents review other facilities such as modular buildings.
- David also reported on the Tillman Creek Mitigation status which was approved by the NPCC.

This memo is the April monthly update for the Lower Yakima River Supplementation and Research Complex that includes Yakima fall Chinook, Marion Drain fall Chinook and Yakima coho. The objectives for April include fish culture, facility maintenance. Daily operation and maintenance continued at both production facilities-PH and MDH.

### **Fish rearing**

#### **Prosser Hatchery**

- |         |  |
|---------|--|
| 4/02/04 | Moved fish from LRW 1-2-3 out to RW 1(accelerated falls).  |
| 4/11/04 | Sick fish in RW 1.   |
| 4/12/04 | LCRFHC treated accelerated falls.  |
| 4/13/04 | Split UR 3 (conventional falls) to LRW 1 & 2.<br>Ponded Washougal coho to LRW 3.<br>Treated accelerated falls. |
| 4/14/04 | Treated accelerated falls.<br>Mt. Hood Community College tour.   |

4/15/04 Treated accelerated falls.  
Assisted M&E crew in tagging accelerated falls.  
4/21/04 Assisted marking accelerated falls.  
4/22/04 Marking fall Chinook.  
Assisted CRITFC in sonar tagging steelhead (short term).  
4/26/04 Fort Simcoe Job Corps assisted in clipping fish.  
4/27/04 LCRFHC examination.  
4/28/04 La Salle School tour.  
4/29/04 Tagging steelhead (no term – not on feed regime).

**Marion Drain Hatchery**

Fall Chinook are ponded and being reared at Hatchery. Regular maintenance continues daily – cleaning screens, feeding Chinook and trout, and general upkeep. Maintenance crew is renovating, repairing and fabricating equipment needed by all YKFP projects at the Marion Drain shop

**Administrative**

4/12/04 YN staff meeting.  
4/16/04 Internal meeting on budgets (Mel, Adrienne, Shirley).  
4/19/04 Internal meeting on picking up duties from Joel Hubble departure.  
4/21/04 Policy Group Meeting at Nelson Springs.  
4/28/04 Internal coho status update meeting at Toppenish.

**Fall Chinook and Coho Acclimation**

4/01/04 –  
4/30/04 Daily fish culture at all coho and fall Chinook acclimation sites.  
4/05/04 YN delivered fall Chinook from Little White Salmon NFH to Prosser.  
4/06/04 Little White Salmon NFH delivered fall Chinook to Prosser.  
4/07/04 Little White Salmon NFH delivered fall Chinook to Prosser.

Prosser Hatchery, April 2004 *YNPFC 03*, Fall Chinook ACCELERATED YAKIMA

Day	Pond #	Fish on Hand			Mortality		
		lbs	No.	Size	No.	Lbs	Food fed Brand & Size
04/30/04	RW2	247.1	42,000	170.00	205	37	1.2 mm skreeting
04/30/04	RW1	2090.5	355,385	170.00	455		1.2mm Skreting

**Prosser Hatchery, April 2004 LWFC 03-01 Fall Chinook Little White**

Day	Pond #	Fish on Hand			Mortality		
		lbs	No.	Size	No.	Lbs	Food fed Brand & Size
04/30/04	Pond 1	3110.5	472,800	152.00	206	1770	Bio 1.2/1.5mm
	Pond 2	4910.5	746,400	152.00	215	3396	Bio 1.2/1.5mm
	Pond 3	4138.2	629,000	152.00	242	2857	Bio 1.2/1.5mm

Prosser Hatchery, April 2004 YNPFC-03-Fall Chinook CONVENTIONAL Yakima

Day	Fish on Hand				Mortality		
	Pond #	lbs	No.	Size	No.	Lbs	Food fed Brand & Size
04/13/ 04	URW 3	359.6	164,000	456.00	1643	209	Skreeting #1
	LRW 1	243.5	94,000	386.00	85	162	Skreeting #2
	LRW 2	187.3	68,000	363.00	109	162	Skreeting #2

Prosser Hatchery, April 2004 Steelhead

Day	Released Poor Cond.	Fish Collected	Fish on Hand Mortality	Released/bad shape	Food Fed
04/30/ 04 Krill	C1		Total all Four	Total	Frozen
04/30/04 Krill	C2		C1,C2,C4	82	Frozen
04/30/04 02/10/00 Krill	C4		& C3		Frozen
04/30/04 Sp.Chk.	C3		359.0		Excess HxH

### Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	53.0

### Cle Elum Supplementation & Research Facility: Charles Strom

- 2003 brood fish on hand at start of May 819,547 with an average of 992 fish/lb
- Fish started on all well water and on May 17 converted to all River water. Each raceway is receiving 400 gpm's.
- 2002 brood fish pushed out on May 13 and 14 clean up at Jack Creek started. At the time when screens were pulled 836,975 juveniles had the potential to migrate from site.
- Fish Pro conducted pump evaluations on May 17 and 18 at the Clark Flat and Easton Acclimation sites.
- Cle Elum Main office building interior painted first part of May.
- Spawning shut down and fish shocked and removed so RWCF could have water isolated.
- Feeder line preparation main focus at the CESRF all of 18 raceways to be on automatic feeders once fish reach 300 fish/lb.
- Raincountry Refrigeration shut down and cleaned chiller and also serviced cool room and freezer. Currently working on RWCF and cleaning the three heat exchange plates.
- Facility complex fertilized.
- 8" diesel pump delivered to Cle Elum.
- Parking brake repaired on F-250 and radio removed in preparation of exchanging it for a new one.
- 2004 adult transfer started on April 26 and 181 adults have been trucked to Cle Elum.

Estimated adult fish on had for the 2004 brood

WILD			HATCHERY		
Female	Male	Jack	Female	Male	Jack
120	28	3	26	4	1
-1 mort on delivery					

## MEMORANDUM

**DATE:** June 16, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

**AGENDA REVIEW:**

There was no Policy Group meeting held in June due to PAR meeting held at CWU on June 15<sup>th</sup> and 16<sup>th</sup>.

**Policy Group Minutes: July – August – September 2004**

**M E M O R A N D U M**

**DATE:** July 26, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs on July 21, 2004. In attendance: Melvin R. Sampson, David Fast, David Byrnes, Charles Strom, Todd Pearsons, Scott Nicolai, Bill Bosch, Kelly Clark, Pat Spurgin, John Easterbrooks. Michael Fiander & Todd Newsome showed up later and gave reports.

**AGENDA REVIEW:**

- Bill Fiander, on vacation
- Bill Sharp on Vacation
- Dave Fast would like to add to agenda: Subbasin Plan & Yakima River Salmon Recovery Plan.
  - Todd Pearson: Tour at Cle Elum Hatchery next Wednesday or Friday? The 28<sup>th</sup> for the WDFW Director Jeff K. along w/Bill Twiet and new CEO of Grant County PUD and Virgil Lewis, YN Tribal Council.
  - John Easterbrooks: Poor water year & smolt water year.
  - David Byrnes: Schedule a tour in August for Greg Delwiche, Acting Vice President for BPA Fish & Wildlife. Interested in getting up to speed with the program (he is the new Therese Lamb).
  - John Easterbrooks requested an organizational chart from David Byrnes for the BPA Department as a whole. David will provide that information.

**STAC:** Dr. David Fast & Todd Pearson

- Ad clip hatchery release spring Chinook. Tribe had not ad clipped Coho releases. No funding to CWT these fish.
- Would be more appropriate funding wise to ad clip these fish.
- Monitor returning spring Chinook, steelhead kelts, Coho, and fall Chinook.
- Could monitor all four species.
- Will have 2-3 ladders set to monitor these tags.
- This October the trap will be wired up
- If we ad clip Coho and have Neely run data and Prosser crew identify whether it's natural produced or hatchery.
- This is the background check of this process.
- Selective harvest of Spring Chinook in the Columbia causes problems for YKFP M&E work.
- What do we do to get better handle on these fish, when it comes to ad clipping these fish?
- Options being considered by STAC/MIPT are: 1) Adjustment factor using lower river harvest rate, 2) Release unmarked group of hatchery fish, 3) Release marked group of wild fish, and 4) No selective fishery (Note: Options 3 & 4 are probably not viable). They could be used for spring Chinook or for both spring Chinook and Coho. The best option out of these four will probably be #1. Option 2 could cause more problems with other research aspects of the project.
- If you choose to mark Coho, do you have to have approval from the Fish & Wildlife Committee? Dave Fast indicated that yes we do and these steps have already been taken, but...they want only partial ad clips.
- Is this Budgeted? This is a major capitol equipment purchase.

**Spring Chinook Summary:** Bill Bosch

- Executive Summary document. A lot of information from Todd's group at Ellensburg.
- Have not updated as of yet.
- Waiting for information from Doug Neeley
- Kurt & Steve spawning channel
- It's coming along and going to take some time.
- BPA wants on site and all PDF formatted. May have some trouble putting some of this information into PDF format.
- David Byrnes said to talk with Nancy Webster to see what website would be best to place this information on.
- Todd Pearson said he would talk with his people to get this information to Bill B.
- Bill B., is also waiting for other information.
- Need to get this out to group as a draft.

**CSMEP:** David & Bill

- Washington, Oregon, Idaho and Montana. The purpose of the CSMEP is to determine what data is collected, rich data basin, fish populations, and habitat and rich & poor basins.
- Long-term goal is to modify data so all basin's can share.
- Checklist: present & absent of what kind of data is collected and how it was collected.
- IRSP set this as a high priority task. This was already a year late start.
- Chris Frederickson and Joel Hubble worked on EDT modeling where we had data etc.

**Klickitat Master Plan:** David Fast & Bill Sharp

- Dave & Bill traveled to Spokane to present the draft Klickitat Master Plan to all fish four. Then Bruce came over with a re-evaluating.
- Revised table of release to present to fish four.
- This was basically a show and tell.

**Collection of Naches Control Line Fish:** Todd Pearson

- Last year not able to get line going.
- 2-3 weeks ago discussed collecting fish. Will collect at the end of August.
- Ray will be collecting. This is only Naches and not American.
- Anthony and Ann will also be collecting.
- This will go into September and will be using hook & line/snagging with sets.
- In excess 600 eggs place back into sub-straight.
- Ten pairs of fish..

**Assessment of PAR:** Dave Fast

- Charity placed a list together of everyone that had signed-in and placed on the web site.
- One hundred people may have shown up on the first day. After that could have dropped to about eighty – ninety people.
- Any comments or feedback from the group on how the PAR went?
- Paul Huffman has placed all abstracts that had been submitted on web-site already.
- Are we reaching the people we want to reach?
- CWU is a great facility to have this PAR at. Had some great feed back on the facilities.

**ADDED AGENDA ITEMS:**

**Subbasin:** David Fast

- June 14<sup>th</sup> & 15<sup>th</sup> presented to IRSP comments due on August 12<sup>th</sup>. Fix-it, do-loops or comments to IRSP. Have till mid-October to send in comments.
- Subbasin Plans will become Amendments. Could write proposals on the subbasin.
- Executive Summaries are out. \$186.00/a copy if you want one.
- David Byrnes wanted to know if the Management Plan is prioritized? The answer is no. How is going to be addressed?

- Procedure –vs- priority.

***Salmon Recovery Plan:*** David Fast

- Follow-up to Subbasin Plan. August 8<sup>th</sup> will be a kick-off meeting in Zillah.
- Any endangered species: Steelhead & Bulltrout. Come up with a Recovery Plan for these species.
- NOAA Recovery Team working together to get these plans out. Getting guidelines out also.
- There are a lot of deadlines on this.
- Dave Fast will be leaving the PGM to head to another meeting with Salmon Recovery and will have more information at a later time.
- Lamprey is a focal species along with spring Chinook, fall Chinook, bulltrout.
- Spring Chinook and Sockeye are the same.
- There are a lot of deadlines on this.
- Dave Fast will be leaving the PGM to head to another meeting with Salmon Recovery and will have more information at a later time.
- Lamprey is a focal species along with spring Chinook, fall Chinook, bulltrout.
- Spring Chinook and Sockeye are the same.

***Poor Water Smolt Release:*** John Easterbrooks

- Maximize our hatchery smolt survival. Our fish are handicapped.
- Our fish come from Jack Creek and Easton.
- January to Clark Flat.
- March 15<sup>th</sup> is when we pull the screens.
- Can we pull the screens earlier? Like March 1<sup>st</sup> or sooner? In late February?
- Will it screw up the experimental design? Answer: yes it will. Imprinting could be a problem.
- Other options is length of acclimation.
- We are still in an experimental phase. What ever we came up with is what we have to stick with.

***BPA Tour:*** David Byrnes

- Greg Delwich, Acting Vice President would like to tour the Hatchery facilities.
- September would be a better time. 2-3 weeks. 14<sup>th</sup> is when spawning starts (Tuesdays). Then fish will be placed in spawner channels.
- CBFWA 20<sup>th</sup> of September will be in Richland for a five-days of meetings. They have a huge document on the web-site regarding these five days.
- They have listed for the 22<sup>nd</sup> for Hatcheries: Blue Mountain, Plateau but, Cle Elum & Prosser Hatcheries are not listed? David B. will look into this.

***PUD Tour:*** David Byrnes:

- Next Wednesday at 9:30 7/28/04 WDFW Director will tour hatchery. He would like to take PUD on tour just to give him an idea on this is what we do and this is what we want them to do.
- Bill Twiet is handing the meeting.
- Anything we want to tell Grant County PUD while they are there? What we would like to see from the PUD?
- No Itinerary as of yet.
- The tour may only run an hour and half. 1). Brood collection 2). Maybe a hand-out? 3) Duration of time 4) Fish Health 5). No on site releases.
- What kind of message do we want to send in such a short amount of time?
- Maybe a one page hand-out and a quick tour around facility.
- We don't want to go over one page, may loose the guy and we don't know what his background in fish is yet.

**OPERATIONS:**

**Prosser/Marion Drain:** Michael Fiander

- Michael came in a done a report in the absence of Bill Fiander.
- Crew is repairing liners
- 80,000 Washougal Coho



- 10,000 clipped in-basin Coho and Sulpher Creek
- Last week was right finned of Washougal Coho
- Repairing of bird netting
- Keeping up maintenance around the hatchery complex.
- No series mortality on steelhead.

June Monthly update for the Lower Yakima River Supplementation and Research Complex that includes Yakima fall Chinook, Marion Drain fall Chinook and Yakima Coho. The objectives for June include fish culture and facility maintenance. Daily operation and maintenance continued at both production facilities Prosser and Marion Drain Hatcheries.

Fish Rearing

Prosser Hatchery:

- 6/1/04 Cleaning raceways, cutting pipes, working on deck at steelhead tanks, and fixing anesthesia tote at steelhead tanks.
- 6/1/04 moved raceway from JV area to spawning shed.
- 6/3/04 Plumbing the raceway at spawning shed, pressure washing raceways.
- 6/4/04 Moved Roza Coho from URW #3 to Spawning RW.
- 6/7/04 Setting up raceways, cleaning spawning shed area.
- 6/8/04 Broomed steelhead tanks, cleaned up pole building area.
- 6/10/04 Chopping/pulling weeds at pole building.
- 6/14/04 Spray on liners applied at URW, setting up outer raceways, broomed steelhead tanks, cleaned incubation room.
- 6/15/04 Cleaned up incubation room, moved all lower raceway Coho to RW, sprayed weeds, repair deck at steelhead tanks.
- 6/16/04 Pressure washed lower raceways, general hatchery ground clean-up.
- 6/17/04 Moving fish that were behind screens at outer raceways.
- 6/18/04 Patching raceways to make fish tight.
- 6/22/04 Building outlet covers at steelhead tanks.
- 6/23/04 USFWS Fish Health monthly check, drained the setting pond
- 6/25/04 Finished repairing Heath tray stacks in incubation room.
- 6/28/04 Worked on plumbing for incubation room.
- 6/29/04 Repaired torn liner in raceways, broomed steelhead tanks, and weed removal around circular tanks.
- 6/30/04 Feed order arrived.

Marion Drain Hatchery:

Regular maintenance continues daily – cleaning screens, feeding trout, and general upkeep. Maintenance crew is renovating, repairing and fabricating equipment needed by all YKFP projects at the Marion Drain shop.

Administrative:

- 6/4/04 Treaty Day Activities
- 6/15/04 PAR at CWU
- 6/16/04 PAR at CWU
- 6/21/04 met with NOAA representative on acclimation funding.  
YN fisheries staff meeting.

**Prosser Hatchery, June 2004, ROCO-03 Coho Roza**

Day	Pond #	Fish on Hand			Mortality		
		lbs	No.	Size	No.	Lbs	Food fed Brand & Size
06/30/04	URW1	132.9	9,888	74.40	45	16	1.5 Skretting

**Prosser Hatchery, June 2004 YNPCO-03 Coho Yakima**

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	Lbs	Food fed Brand & Size
06/30/04	RW10	240.9	28,673	119.00	227	74	1.5 Skretting
	RW11	244.5	28,285	115.70	215	77	1.5 Skretting

**Prosser Hatchery, June 2004, WACO-03 Coho Washougal**

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	Lbs	Food fed Brand & Size
06/30/04	RW8	412.5	44,555	108.00	196	131	1.5 skreting
	RW9	366.2	43,829	119.70	163	135	1.5 skreting

**Prosser Hatchery, June 2004 Steelhead**

Day	Pond #	Fish Collected	Fish on Hand	Mortality	Released/bad shape	Food Fed
06/30/04	C1		185	5		Frozen Krill
	C2		176	13		Frozen Krill
	C3		92	1		Frozen Krill
	C4		141	5		Frozen Krill

**Pond Temperatures:**

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	57.0

**COHO:** Todd Newsome

- 7,000 Sulpher PT 1,000-2,000
- 1,000 released at mouth and 1,000 released in pond (Hanson Pond)
- Washougal two groups of 10,000 right clipped all. 10,000 Coho in acclimation sites. 25,000 PT and in Boone Pond 10,000 RV clipped
- 5,000 RV clipped.
- 1,000 in Hanson Pond and 1,000 in river adjacent to Hanson Ponds.
- Nothing in river at Boone Pond or Holmes. Stiles is shut down.
- No netting at Hanson ponds. If the fish want to leave they can.
- Should be looking for these fish in September. Everything is RV clipped. Smolts were LV clipped and released at a later date.
- Policy Group has a concern that this activity was approved prior to placing the fish in Hanson Ponds.
- This was discussed in earlier Policy Group meeting back in May and group was not aware of any decision being made on this?
- Todd was in the thinking that this was discussed and O.K.'ed? He has been working with Nancy and Patty.
- Have to make sure the Master Plan is in place or has been approved. Get locked in place.
- Hanson Ponds is not an acclimation site. But,.....Todd indicates that it sits with in the river mile.
- Financial aspects of this project has been reviewed and approved? All this was with-in the M&E Budget.
- It not like that no one heard of this and should not a huge surprise to the group.
- Todd Pearson thought back in earlier discussions that the fish were going into the tributaries and not in Hanson Ponds?
- And the reason they did not get placed in the tributaries was due to the Master Plan not being approved.

- Dave Fast & Todd P. will get with Judy and find out where we are standing with the HGMP and edits/comments of the Master Plan.
- Snorkeled all acclimation sites.
- Worked with Chris Frederickson on habitat surveys EDT.

**HABITAT:** Scott Nicolai

- Kelly Clark, Scott new biologist started a week ago Friday. She will be writing Management Plans for property purchased.
- Kelly has a background in grant writing.
- Hank Fraser pulled boards at the Easton Dam.
- Blocked passage. Will pull other boards at the other end of creek.
- Will wait until after irrigation season.
- Egbert said we may have to get permits for the removal of these?
- John Easterbrooks indicated that Jeff Brunson was in favor of having these boards pulled also and we should be able to pull them with obtaining any permits? John will look into this.
- Prairie Ground Property by end of the month.
- ***CREDITING (added agenda item)***
- Presented to Fish Four on Yakima Side Channels.
- A lot of projects that are on the table that need to get purchased.
- William Meyer presented with Scott at the Fish.
- David, Kelly, Brent and Scott spoke on how to proceed with this.
- MOU between Tribe/BPA/WDFW on these properties agreeing that these properties need to be protected.
- There is an active internal discussion going on with the MOU. Greg is looking into.
- Peter Packett & Joe Dee Herrera is working on these on behalf of BPA.
- Eight parcels that we need to purchase right now.
- Scott asked Greg of BPA to get a Management Group together and not make or decide on any proposal. Scott would like the opportunity to have some input on these purchases.
- Habitat Acquisitions: There are probably about 7-8 other people out there in the basins just like Scott that would like to have part in making decisions or comments when purchasing property.
- Series problem with this crediting thing. Buying habitat is very important. If we could tell BPA that we need money to get these implemented the highest rated project.

**DATA:** Bill Bosch

- Pull together dam counts
- Historical Roza counts. Place them into data system (dart).
- Daily counts & weekly counts.
- Would get the e-mail out to Policy Group people in August.

**CLE ELUM HATCHERY:** Charles Strom

- 2003 brood fish on hand at start of July 809,552 with an average of 221 fish/lb.
- Hi group average 214 fish per pound and Lo is at 232 fish per pound at start of July.
- Clean up at Jack Creek complete. Clark Flat small details left. Easton site still needs work as it was slowed by loss of domestic water pressure.
- River Water Cooling Facility started July 9, 2004. Prior to start up one heat Plate exchanger was cleaned.
- Levi George plaque completed.
- Facility HVAC systems serviced by Four Seasons of Terrace Heights.
- Crew had training session on wire feed aluminum welding by Troy Adams of Renegade Metalcraft. Manufactured screens for adult holding pond #1.
- Community Home and Garden finished improvements of landscape on facility grounds.
- Open House held on July 17, 2004. Thanks to all those that attending.
- PCB for well #5 replaced with PCB from well #3.
- Weeds removed by Ameri-Corps (hand pulled). Would like to place in budget next year to have weed control at the Hatchery along Charter Road to control noxious weeds.
- Concord working on bid for spawner channel modifications.
- Renegade Metalcraft came up and done a quick training course on welding techniques.

- Monday, July 26, 2004 at 8:00 Ray Brunson will give a condensed training course on fish health to the hatchery crew. Charles also invited Todd & Melinda's crew to come and participate.

Estimated adult fish on hand for the 2004 brood

WILD			HATCHERY		
Female	Male	Jack	Female	Male	Jack
396	92	36	84	17	10
TOTAL: 640					

- 9 pre-spawning mortalities
- 11 hatchery precoccal (on hand)
- 1 wild precoccal (on hand)

**CONSTRUCTION/MAINTENANCE/MITIGATION:** David Byrnes

- **Ac site pump status**
- Certified letter was sent. Has ten business days to responded
- Had not heard anything as of yet.
- Sent advanced letter and let them know the letter was on its way.
- **Tillman Creek Mitigation**
- CH2M Hill Monitoring contract in place this week.
- Diane Sheldon is in Seattle all this week.
- Will be working with Patty on permits coordinating issue
- JARPA will be next
- Get funds obligated for Sheldon Contract
- **Nelson Springs:**
- Fish Four did not recommend to full fund this project. Left the door open to other options we have.
- Hampton letter to which the effects are.
- Square footage take to somewhere else and see if they can come with-in range.
- Sets of the final (Melvin has copies of these).
- Park Avenue went out of business.

**BUDGET:** David Byrnes

- Everything is implemented (this does not include construction).
- Bill Sharp's re-schedule was approved.
- Habitat is the only one coming up.
- Project Improvement transitions next large project. Will effect the contracts coming up and current projects.
- November-December on going contracts. SOW
- Re-done or re-craft the SOW we currently have.
- Status request of 05 budgets (estimated).
- Prioritization process.
- Would like to recommend a 05 budget by end of December.

**MEETING ADJOURNED:**

**NEXT MEETING:** Tentative for **August 25<sup>th</sup> 2004 at Nelson Springs** & Tentative for **September 15<sup>th</sup> at the M&E Building Cle Elum Hatchery** (David Byrnes tour with Greg on September 16<sup>th</sup> & 17<sup>th</sup>)

# MEMORANDUM

**DATE:** August 30, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs on Wednesday, August 25, 2004. In attendance: Melvin R. Sampson, Bill Fiander, Charles Strom, Melinda Davis, Todd Newsome, Todd Pearson, Bill Bosch, David Byrnes, Bill Sharp, Mark Johnston, Pat Spurgin and John Easterbrooks. Dave Fast is out of town attending & presenting at AFS. Scott Nicolai not in attendance.

## AGENDA REVIEW:

- Added agenda item under STAC Brood-year 2003: Bill Bosch's e-mail
- Added agenda item under other: Proposed site visit: David Byrnes

## OPERATIONS:

### Cle Elum Supplementation & Research Facility: Charles Strom

- 2003 Brood fish on hand as of August 24 is 808,128 with an overall average of 80 fish/lb.
- Hi group average 68 fish per pound and Lo is at 90 fish per pound.
- Easton domestic water pressure tank. After replacement of pump and tank a leak was located. Need to schedule repairs, as leak is underground.
- Incoming gate damages and was replaced by Ellensburg Waste (They had M2 fencing replace gate).
- Vernon Bogar III completed his 5-week summer youth employment on August 19, 2004.
- Ray Brunson conducted a one-day fish health seminar at CESRF on July 26, 2004. A total of 16 employees (YN and WDFW) attended the course.
- NC Machinery serviced propane generators at Jack Creek on July 26, 2004.
- Brad Johnson Construction started installation of 4 sound proof doors (three residents and one for M&E office building) August 5, 2004.
- Simon Goudy and Annie Jo Parrish were issued yearly appraisal.
- Had two volunteers from Master Hunter program work at the Facility on August 14 and 15. Each volunteer worked a total of 12 hours.
- Wells continue to be adjusted as aquifer level drops.
- Ford 150 taken in for recall notice. Driver side seat belt replaced.
- Well water added to adults on August 12 to drop holding temps to prepare for spawning period.
- Well water turned on to incubation building on August 23 to prepare for spawning season.
- Installation of 30" butterfly valve and riser started on August 16 and completed on August 19. Valve and riser will be used to manipulate flows to spawner channel without disruption of flows to the juvenile rearing ponds.
- Spawner channel cleaned by Concord. Cleaning took three days to complete task (August 19, 20, and 23).
- CESRF crew (manager excluded) traveled to Idaho to visit Clearwater, Dworshack, and Nez Perce fish hatcheries.
- Facility consultant on board on Monday, August 16, and left Tuesday August 17.

### Estimated adult fish on hand for the 2004 brood:

Wild Adults transferred as of August 24 = 552 - 20 (pre-spawning mortalities 14 wild female + 6 wild male) = 532 on hand [3.6% pre-spawning mortality]

Wild Jacks transferred as of August 24 = 39 – 2 (pre-spawning mortalities) = 37 on hand [5.1% pre-spawning mortality]

Hatchery Adults transferred as of August 24 = 108 – 5 (all hatchery females pre-spawning morts) = 103 on hand [4.6% pre-spawning mortality]

Hatchery Jacks transferred as of August 24 = 12 – 1 = 11 hatchery jacks on hand [8.3% pre-spawning loss]

Total fish transferred as of August 24 = 711 – 28 (pre-spawning mortality) = 683 fish on hand [3.9% overall pre-spawning mortality]

**PROSSER:** Bill Fiander

July monthly update for the Lower Yakima River Supplementation and Research Complex that includes Yakima fall Chinook, Marion Drain fall Chinook and Yakima Coho. The objectives for July include fish culture, preparation for broodstock collection and the spawning season, and facility maintenance. Daily operation and maintenance continued at both production facilities- PH and MDH.

**Fish rearing**

General fish rearing activities occur daily at both hatcheries. These include: checking D.O. levels; cleaning outlet screens; picking morts; weighing out feed, and feeding the fish; checking water delivery system; daily maintenance of equipment (pumps, aerators, pressure washers, utility rigs (gators), etc.; recording data sheets and daily log book.

The following items are events that don't occur daily or are major events:

**Prosser Hatchery**

7/06/04	cleaning raceways and repairing liners.
7/08/04	USFWS set up tagging trailer.
7/09/04	Setting up raceways for tagging.
7/12/04	YN Coho M&E crew started tagging Roza Coho.
7/13/04	YN crew finished up Roza Coho.
7/19/04	YN M&E crew delivering Roza Coho to acclimation sites. USFWS started clipping Coho.
7/22/04	YN crew finished up delivery of Coho. LCRFHC monthly fish health exam. USFWS finished up clipping.
7/23/04	Working on spray bars for raceways.

**Marion Drain Hatchery**

Regular maintenance continues daily – cleaning screens, feeding fish and general upkeep. Maintenance crew is renovating, repairing and fabricating equipment needed by all YKFP projects at the Marion Drain shop.

**Administrative**

7/16/04 Working on water rights application with BOR.  
 7/20/04 Meeting with BPA on Process Improvement Initiative.  
 7/21/04 Policy Group Meeting at Nelson Springs.

Monthly Pounded Fish Report

End of the month production  
summary

					Pond Temperatures		
Hatchery: <u>Prosser Hatchery</u>					Water Source	Yakima	
Month/Year: <u>July-04</u>					Maximum		
Lot Number: <u>YNPCO-03</u>					Minimum		
Species: <u>COHO</u> <span style="margin-left: 200px;">Yakima</span>					Average		57.0
Day	Pond	Fish on Hand		Mortality	Food Fed		Brand & Size
	Numbers	Pounds	Number		Size	Pounds	
07/31/04	RW 3	208.5	17,993	86.30	327	67	1.5 Skretting
07/31/04	RW 4	312.3	29,353	94.00	429	67	1.5 Skretting

Hatchery: <u>Prosser Hatchery</u>							
Month/Year: <u>July-04</u>							
Lot Number: <u>WACO-03</u>							
Species: <u>COHO</u> <span style="margin-left: 200px;">Washougal</span>							
Day	Pond	Fish on Hand		Mortality	Food Fed		Size & Brand
	Numbers	Pounds	Number		Size	Pounds	
07/31/04	RW 1	167.3	14,371	85.90	106	100	1.5 Skretting
07/31/04	RW 2	297.3	26,165	88.00	97	93	1.5 Skretting

Hatchery: <u>Prosser Hatchery</u>							
Month/Year: <u>June-04</u>							
Species: <u>Steelhead</u>							
Day	Pond Numbers	Number of fish on hand		Mortality Number	Food Fed		
06/30/04	C1	176		9	Frozen Krill		
	C2	142		34	Frozen Krill		
	C3	91		1	Frozen Krill		
	C4	134		7	Frozen Krill		

**COHO:** Todd Newsome

- Masterplan working with Judy and Greg Ferguson as of August 24. It's done and will look at Internally and then get it distributed to Policy Group.
- By September 1<sup>st</sup> will get to Policy Group. September 15<sup>th</sup> will get it sent off. The highlighted areas are new.
- Putting data together right now and will be working with Bill Bosch.
- Getting ready for spawning
- 10 tags to BPA and will be putting tags in and see what comes through the denil trap.
- New Years fish will come from Washougal

**FALL CHINOOK:** Melinda Davis

- Surveys in main stem in September
- Marion Drain October 14<sup>th</sup> first red showed up.
- Trap in Mid October or sooner.
- Good return last year in the drain. So...looking forward to see what's in there this year.
- Activating some net pens, so we can rear some fish. Pit tag some of them maybe at Prosser in the canal.
- Collection is done use the remainder of adults and release in the Gap.
- Wapato net pens tried to beach sein and use pit tags and didn't get much fish back. So this is why I'm looking at rearing these in the net pens.
- Wapato would be to increase the distribution of fall Chinook.
- Would like to pit tag around 4,000 and see what we get back.
- Spawning data is all placed in one spot in access.

**KLICKITAT:** Bill Sharp

- 1<sup>st</sup> spawn at hatchery will do egg till mid-September.
- M&E crew doing surveys. First one in two weeks in October.
- Refresher course on White Water Safety
- Engineers on August 27<sup>th</sup>. At Upper Basin for Acclimation sites ponds.
- On September 17<sup>th</sup>, Dave and I will tour facilities
- 4/5 tunnels, vertical slots done end of September.
- Vancouver Columbia came and done a story on 4/5 Tunnel will be out this Sunday, August 29<sup>th</sup> newspaper.
- Tom Ring is doing a ground water study at Wahkiacus.
- Fall Chinook incubation and release in the future.
- Habitat, Will Conley is wrapping up Diamond Forks Restoration project. SRBR Grant.
- Will be starting Trout Creek Culvert project (arch).
- Klickitat Meadows was wrapped up last year.
- Hatchery Transition still moving to October 1<sup>st</sup>. Still have our out for us.
- Submit FY05 budget to RZ Smith.
- Mid October will have ribbon cutting ceremony at the hatchery.

**DATA:** Bill Bosch

- Prep work on database
- Get ready for spawner season
- HGMP process keeps coming back
- Working with Bill Sharp on Hatchery Transition
- Getting PC ready for denil trap
- Update on Spring Chinook for Naches, Bumping, American for Mark Johnston

**STAC:** Todd Pearson

**Executive Summary Style Report:**

- Trying to get a single report
- Short project overview
- These are just for spring Chinook



- Travel Brochure? We can hand to politicians or tourists of the hatchery
- Can we use more than one project number for these?
- David Byrnes indicated he don't see why we can't?

**Proposed Change to Cutthroat Trout Containment objective:**

- These fish were never listed on the endangered list.
- Can we lesson the constraint of the Cutthroat trout? As apposed to Rainbow Trout.
- The risk would go down. Would not really affect the Master Plan. But if the containment objective is changed as per Mel and John, we may want to go and change the numbers in the Master Plan.
- Re Draft the also for the Mountain White fish.
- 10% in the mainstem/finding control in mainstem is really hard. 40% in the tributaries. Treatment control below Clark Flats, this is not really that good.
- 20% trigger, 40% max.
- The threshold and max should not be the same
- Todd will re-draft and e-mail to John E. will see what the decision number is and fill in.

**Topics of Technical Presentation that the Policy Group Wants:**

- Is the group comfortable with the information they received at these meetings?
- Maybe we would like 30-minute presentation by a main technical advisor of one main project. Such as spawner channel work, avian project etc.
- 30 tasks to choose from.
- Maybe some of these we may not be interested in? But... on some projects we may want to see the progress or the update on activities.

**Publications submitted or in progress:**

- Small mouth bass
- Procial males
- Paper for review electrofishing methods
- OCT vs SNT Bill Bosch, Dave Fast, David Lind, and Doug Neeley working on.
- A lot of these will be out for review by next year.

**CBFWA Review:**

- How are we going to present?
- Coordinate with Dave Fast
- 21<sup>st</sup> – 24<sup>th</sup> at the Tri-Cities
- 21<sup>st</sup> workshop at Portland 1-day

**Hatchery Tour:**

- Bill Twiet update on what they came away with after the hatchery tour. The Director was impressed and would like to return when spawning begins.
- The PUD guys thought it was a pretty pricey operation???

**SELECTIVE FISHERY:** Bill Bosch (Added Agenda Item)

- Numbers and table on e-mail from Bill Bosch (hand-out)
- Seeking more discussion on this topic.
- Doug Neeley done a study on this in mid-July.
- What data makes the most sense?
- Bill Bosch suggested that a possible solution might be using a ventral fin-clip for segregated (traditional hatchery type programs) and using the adipose fin-clip for integrated (supplementation-style hatchery program). There seemed to be some consensus among the group that this idea could be worthwhile pursuing, though the policy implications and overall size of hatchery programs presently using the adipose clip could make implementation infeasible.

- Bill Sharp and John Easterbrooks noted that a ventral-clip designator for hatchery (keeper) fish would likely mean more handling of wild/natural fish in catch-and-release fisheries since it is not as easy to see ventral fins while fish are still in the water.
- Todd P., will write a memo to Jim Scott on Integrated programs –vs- segregated programs.
- Where between technical and policy and don't know. May need more technical review.
- The group agreed that marking of BY2003 fish should not change from prior years.
- More work should be done at the technical level to review the options of using harvest rate adjustment factors or releasing some of the CESRF fish with adipose fins intact as methods for resolving technical aspects of the issue.

**PROPOSED SITE VISIT:** David Byrnes (Added Agenda Item)

- The tour is scheduled on 16<sup>th</sup> and 17<sup>th</sup> with Greg Delwich and Mark Shaw.
- Tour Phase II screens at Hanson Ponds.
- Big Creek
- Habitat Issues
- Hatchery
- Acclimation Sites
- YTAP Activities
- Cook Creek Siphon
- Minastash
- Stop at trip in Roza.
- 45 minutes with Dale Bambrick to get review of basin
- Time with John & Jeff
- Meet with state, tribal folks and key people of these projects.
- Maybe tribal leadership?
- Prosser Hatchery.
- Open for ideas for Agenda Items.
- 

**CONSTRUCTION, MAINTENANCE, MITIGATION:** David Byrnes & Charles Storm

**Ac Sites Pump Status:**

- Easton & Clark Flats pump meeting this week with internal team. Next week consultation with CH2M Hill.
- Continue to come up with resolution with problem, which is the flow.
- Well field monitoring is in place.
- David will get a hold of Jeff and get an update
- Why are contracting with CH2M Hill if we have not been happy with past work?
- Jeff Randall has the data set. Will continue to monitor the set. Something that we need to have them finish.

**Tillman Creek Mitigation status:**

- Contract in place
- Get easements in place
- Status of the JARPA

**BUDGET & CONTRACTS:** David Byrnes

- 05 budgets are posted on the website
- Comments made by BPA managers
- Budgets are being handled separate as a system wide (Patty O Toole.
- Council has draft budget
- Included are the values of the projects that we are involved with.
- These are in draft because of the dollar value. Difference between 5-7 million dollars
- Rescheduling will continue to be a tool.
- Goal of getting the Pisces up and running
- Renewals beginning in 05.
- April, May, June time frame in the Pisces program
- First contract is Bill's Habitat will hit the renewal process (Will Conley). Get this one completed.
- 4-6 months to run on our current contracts and please have everyone aware of this.

- David, Billy and Charlie get together to work on the hatchery ones.
- Start working on the M&E.
- Integrating these into the new Pisces.

\*A small note from David B. To Scott Nicolai in regards to Land Acquisitions. These still have David stumped? Dangling pieces of property, Burlington Northern trying to get access/easement to this property. And Upper Community Church looking for an easement. Greg Delwiche is sensitive to this project. Hope we can have a healthy discussion in regards to these requests.

**MEETING ADJOURNED:**

**NEXT MEETING: Tentative for September 15, 2004 at the M&E Building in Cle Elum. (David Byrnes tour w/Greg on September 16<sup>th</sup> & 17<sup>th</sup>)**

\*\*\*\*NOTE: meeting was shifted to Nelson Springs to assist in the scheduled tour coordinated by David Byrnes.

# MEMORANDUM

**DATE:** September 23, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs September 15, 2004. In attendance: Melvin R. Sampson, Dave Fast, David Byrnes, John Easterbrooks, Todd Newsome, Charles Strom, Bill Fiander, Bill Bosch, Melinda Davis, Bill Sharp and Pat Sprugin.

## AGENDA REVIEW:

- Scott Nicolai has another meeting he has to attend at 9:00 am and then he has a doctor's appointment and will not be at the Policy Group meeting.
- Todd Pearson is at Cle Elum Hatchery today. Called in and gave report.
- Patty will call in at 11:00.
- John Easterbrooks action document.

**STAC:** Todd Pearson/Dave Fast

### *Naches Broodstock Status:*

- Steve Schroder does not want to place prococial males in the spawning channel.
- Benefit is more realistic, concerned about the hxx line.
- Really the only way to get a hold on prococial males.
- Todd would prefer to place in spawning channel and Dave agrees.
- Steve is concerned about the competitive behavior and dominance.
- It is suggested by the group to stick to the plan.
- We can cut in half and do five and five
- Do a one-time loading in the spawning channel.
- Can we speed up the analysis to get the information from past?
- Todd said he has already been pushing Olympia to get this information.
- Behind two-years on our data does not really help us right now?

### *Selective Fishery:* Todd Pearson

- Science division meeting will cover mass marking.
- Get some of the fish issues on the docket.
- Todd will call and see who can attend this meeting.
- Bill Bosch would be a good candidate to attend.
- October or mid-October is the meeting? Will find out, and let the group know soon.
- Peter Gelbreth is Andre Talbot's replacement.

### *Naches Broodstock:* Dave Fast

- Ten females fertilized
- 600 eggs per female
- egg components in incubation in buckets in garage at Nelson Springs.
- Ray Brunsen will come and look at.

- Extra eggs went back into the gravel.
- Eggs are in the sensitive stage right now.

***CBFWA Presentation Status:*** Dave Fast

- 03 status programs next Tuesday 21, 22, 23 at the Tri-Cities.
- Projects in the Columbia Plateau
- Update on projects from last year and there out come.
- Have two-hours of presentation time. This is what I came up with. Management 12-13 slides, 86 slides on Fall Chinook, 126 slides on M&E (bird predation, northern pike etc) and O&M fish rearing (Bill Fiander and Charles Strom).
- Presenting on Tuesday at 8:00 at the Benton Franklin Room at the Hampton Inn.
- Three concurrent sessions going on.
- Special Hatchery session is on Wednesday.

***Spring Chinook Summary Report:***

- Bill Bosch will get back on this either in October or November after the spawning season is over.

***Salmon Recover/Steelhead Master Plan Status:*** Dave Fast

- Subbasin Plan to NWPPC
- Came out in August, still reviewing plan.
- Put aside funding, re-distributed to the fix-it loop to finish up these fix-up projects.
- Do in November.
- Dave Fast has taken the place of Bob Rose on this. Will Shepard the projects through and is the contact person for Yakama Nation.
- Working with Richard Vissar.
- We need to have a meeting and bring in Joel Hubble from BOR because he was our steelhead guy.
- Steelhead data that is in the MP is the most current data.
- Richard Vissar has Jim Cummins working on the data..
- Get all this info done and into Judith.
- This will be the recovery plan for next year.
- Judith is currently working on the Klickitat Subbasin stuff for Bill Sharp for the MP re-write.
- Dave Fast will submit data to Judith that she can start looking at when not working on the Klickitat stuff.
- Bill Sharp indicated that she would be free to work on this full time after December 1<sup>st</sup>.

***Other Items under STAC:*** Bill Bosch

- Status of the HGMP? Sat down and done four-species. Did the best I could and sent. Have not received any feedback as of yet.

***Yakima Klickitat Fisheries Project Policy Group Decision 2004-01***

Short Description of Subject: At the time that the containment objectives for non-target taxa were developed, cutthroat trout were being considered for listing under the Endangered Species Act. Cutthroat trout have not been listed and recent status reviews have indicated a wide distribution. Within the Yakima Basin, cutthroat trout are widely distributed and relatively abundant in high elevation portions of streams. They are also utilized in a similar manner as rainbow trout and have the same angling regulations. This suggests that cutthroat trout should be given containment objectives that are similar to rainbow trout (not to exceed 10% impact in the mainstem and 40% impact in the tributaries).

Additional Detail: Consult the following two reports for further detail about how containment objectives were generated and to see the original documentation of the containment objectives.

Pearsons, T.N., G.A. McMichbael, K.D. Ham, E.L. Bartrand, A.L. Fritts, and C.W. Hopley. 1998. Yakima River Species Interactions Studies. Progress Report FY 1995-1997 submitted to Bonneville Power Administration, Portland, Oregon. DOE/BP-64878-6.

Busack, C.,B. Watson, T. Pearsons, C.Knudsen, S. Phelps, and M. Johnston. 1997. Yakima Fisheries Project Spring Chinook Supplementation Monitoring Plan. Bonneville Power Administration, Portland, Oregon. DOE/BP-64878-1.

The following documentation was taken from Pearsons et al. 1998:

Objectives for highly valued non-target taxa (NTT) were described as acceptable impacts to their current status that could be attributed to spring Chinook salmon supplementation. Impacts to a NTT's distribution, abundance, or size structure in excess of the acceptable impact would indicate a failure to achieve an objective. These objectives reflect the goal of having all native species at sustainable levels including populations robust enough to support harvest and recreation. The following objectives for NTT are presented in the table below:

Table 4. Containment objectives for non-target taxa of concern in the Yakima Basin relative to supplementing the upper Yakima stock of spring Chinook salmon. Objectives refer to negative impacts upon one or more of a taxas distribution, abundance or size structure relative to pre-supplementation levels.

NTTOC	Containment Objective
<u>Rare – species, stock, or regionally</u>	No impact (0%)
<ul style="list-style-type: none"> <li>Bull trout</li> <li>Westslope cutthroat trout (<b>current – circa 1998</b>)</li> <li>Pacific Lamprey</li> <li>Naches steelhead</li> <li>Satus steelhead</li> <li>Toppenish steelhead</li> <li>Upper Yakima steelhead</li> </ul>	
<u>Rare-in basin</u>	Very low impact ( $\leq 5\%$ )
<ul style="list-style-type: none"> <li>Marion Drain Fall Chinook</li> <li>Mountain sucker</li> <li>Leopard dace</li> <li>Sand roller</li> </ul>	
<u>Native game or food fish – very important</u>	Low impact ( $\leq 10\%$ )
<ul style="list-style-type: none"> <li>Resident rainbow trout; <b>cutthroat trout (proposed)</b> in the mainstem Yakima River</li> <li>Naches spring Chinook salmon</li> <li>American River spring Chinook salmon</li> </ul>	
<u>Native game or food fish – important</u>	Moderate impact ( $\leq 40\%$ )
<ul style="list-style-type: none"> <li>Mountain whitefish</li> <li>Resident rainbow trout; <b>cutthroat trout (proposed)</b> in tributaries</li> </ul>	
<u>Common</u>	$\leq$ maximum impact that maintains all Species at sustainable levels
Other native species	

These objectives are also used for Coho salmon and are part of the draft master plan.

Proposed Action: Change the containment objective for cutthroat trout from 5% impact to not to exceed 10% impact in the mainstem and 40% impact in the tributaries. Investigation of the cause of impacts for resident trout (rainbow, cutthroat) in tributaries will be initiated at or before decrease of 20%.

Final Action: Approved

Signed on 9/15/04 at Nelson Springs M&E, Glead, WA

X \_\_\_\_\_ || *Melvin R. Sampson* || \_\_\_\_\_ -Policy Representative, Yakama Nation

X \_\_\_\_\_ || *John A. Easterbrook* || \_\_\_\_\_ -Policy Representative, Wash Dept. of Fish and Wildlife

### **OPERATIONS:**

#### ***Klickitat:*** Bill Sharp

- M&E Surveys another week and half till complete.
- Will provide numbers at the next meeting.
- Found carcasses that were not marked.
- Spring Chinook are using the ladder.
- Chuck Carl is doing maintenance at screens 10 & 11 and seen one exiting the screens.
- Some fish were identified as not being tagged.
- Some fish can make the falls at 4 & 5
- Hatchery had a great return of jacks.
- A red was found eight miles up Diamond Fork.
- No Bull Trout above Castile Falls
- John Hutchins, Greg Ferguson, Jason Rau, Ron Ballard and myself toured acclimations sites. Selected one at McCreedy Creek.
- Will set up there in March. Purchased a dump truck and then after that will purchase a plow.
- McCreedy Creek is spring fed, and eight miles up from Castille Falls
- This is step one in the Master Plan.
- Master Plan is being re-written (not to much)
- Ready in October for meeting in Montana.
- David Brynes would like to go and see the acclimation site.
- Will Conley has wrapped up his project.
- Subbasin Plan; Jeff Spencer is lead on this.
- Temp position stationed at Wahkiakus to help work on this.
- Working on getting a modular for more office space at Wahkikus. Sent specs to the company.
- Bull trout study; getting some good information got old trap up and running at Lyle.
- This Friday, two Oregon Reps will tour the Klickitat Hatchery.
- May take a tour to Klickitat.
- Tunnels 4 & 5 had three more vertical slots to pour. Should be done by end of month.
- Recovery Planning kicked this off but, there is no funding.
- Hatchery Transition stuff is really rolling. Pat Spurgin & I have conference call this p.m. with Bill Tweit. May attend meeting in Olympia if this is a Action Item. My need to sign?
- Class D MOA will be a Action Item.
- In process of submitting a budget to RZ Smith.
- Time range? To implement FY06 start up preliminary.
- David Brynes "FY05 budgets in regards to all projects, nothing in FY05 to Klickitat Budget. -0- on Capitol side as far as designs". Think about your value of the project. What's going to be the expense for the preliminary of these projects?
- The next day or two to get a number into David Brynes for this project.
- 05 budgets, this project was placed under the construction budget and not capitol (as per Mel).
- Master plan approval from Council

#### ***Cle Elum Supplementation & Research Facility:*** Charles Strom

- 719 adults transferred to Cle Elum for the 2004 season. Total mortality recorded as of 9/14/04 in 52 salmon.
- First sort was done on 9/7/04 and wild and hatchery figures are as follows;

	Female	Male	Jack	Total
Wild	301	216	43	560
Hatchery	63	34	10	107

- Total estimated egg take for 2004 brood 269,447. Hatchery 67,991 eggs (16 females – 4249 eggs per females). Wild 301,456 eggs (93 females—average fecundity 3241).
- Chinook transferred to channel on September 15 are 32 wild (15 male + 15 + female + 2 Jacks) and 29 Hatchery (15 male + 11 female + 3 Jacks).
- 2003 brood end of month samples for August 807k,433 on hand @70 fish/pound. Total 18 raceways (16 WxW, and 2 HxH). Start of June high and low group feeding rates set for October 15 marking size (Hi =30 fish/pound and Lo=45 fish/pound).
- USFWS sampled a few rearing ponds found Costia and ich a couple of our rearing ponds. Ponds were lowered for a seven-day period to flush parasites.
- Four river pumps supplying 11,282 gpm's to rearing and research ponds.
- River water Cooling Facility has been in operation. Daily recordings show that it cools down river water temperatures by three to five degrees. Wells 1, 2, 4, 5, and 6 to add cooler water to system. Total flows for wells in operation = 1,853 gpm's.
- Gordon King visited hatchery for photos of Yakima River.
- Well water turned on to incubation September 2, 2004. Chiller fired up on September 9, 2004.
- Compressors for freezer serviced by Raincountry. Changed time clocks for each unit and reduced lines to prevent “hammering effect” of refrigerant. NC Machinery performed annual service to Cle Elum, Easton, and Clark Flat generators.
- Repairs needed for gate valves @ Cle Elum and one-yard hydrant @ Easton site.
- Simplex Grinnell performed annual inspection of fire and smoke alarms.
- Received three inquires about camp host position.
- Traffic signal lights inspected by Perfect Timing Inc.

**Prosser:** Bill Fiander

August monthly update for the Lower Yakima River Supplementation and Research Complex that includes Yakima fall Chinook, Marion Drain fall Chinook and Yakima Coho. The objectives for August include fish culture, preparation for broodstock collection and the spawning season, and facility maintenance. Daily operation and maintenance continued at both production facilities-PH and MDH.

### **Fish rearing**

General fish rearing activities occur daily at both hatcheries. These include: checking D.O. levels; cleaning outlet screens; picking morts; weighing out feed, and feeding the fish; checking water delivery system; daily maintenance of equipment (pumps, aerators, pressure washers, utility rigs(gators), etc.; recording data sheets and daily log book.

The following items are events that don't occur daily or are major events:

### **Prosser Hatchery**

- 8/9 Working on walkways on upper raceways.
- 8/10 Pulling weeds (needs to be done daily, try to get to it as much as possible).
- 8/13 Finished up on the raceways walkways.
- 8/17 Started working on ditch near the circulars.
- 8/19 Moved the display fish to display tank.
- 8/20 Fish health here to check out fish –acting different, maybe sick.
- 8/23 Fish health here to check on fish again.
- 8/25 Painted incubation boards.



- 8/27 Umatilla Fisheries here for tour.  
Moving Coho into a different raceway.
- 8/30 Cleaning out rearing/acclimation ponds.
- 8/31 Cleaning out the denil work-up room.

**Marion Drain Hatchery**

Regular maintenance continues daily – cleaning screens, feeding fish and general upkeep. Maintenance crew is renovating, repairing and fabricating equipment needed by all YKFP projects at the Marion Drain shop.

**Administrative**

- 8/04 Yakama Nation Coho meeting at Nelson Springs to discuss future plans.
- 8/19 Yakama Nation meeting on denil operations for upcoming year.
- 8/23 Fish health meeting at Prosser Hatchery with YN and Lower Columbia River Health Center.
- 8/25 Policy Group Meeting at Nelson Springs.
- 8/26 YN meeting on planning for Coho and fall Chinook facilities long term.
- 8/31 Worked with NOAA on Mitchell Act Contract.

***Monthly Poneded Fish Report***

***End of the month production summary***

Hatchery : **Prosser Hatchery**  
 Month/Year: **August-04**  
 Lot Number: **YNPCO-02**  
 Species: **COHO**

(In Basin Coho)

Day	Pond Numbers	Fish on Hand Pounds	Mortality		Food Fed Pounds	Brand & Size	
			Number	Size			
08/31/04	RW 3	271.4	17,795	65.56	198	91	1.5 Skretting
	RW 4	440.5	29,134	66.14	219	87	1.5 Skretting

Hatchery : **Prosser Hatchery**  
 Month/Year: **August-04**  
 Lot Number: **WCO-02**  
 Species: **COHO**

(Washougal Coho)

Day	Pond Numbers	Fish on Hand Pounds	Mortality		Food Fed Pounds	Size & Brand	
			Number	Size			
08/31/04	RW 1	265.2	14,364	54.16	7	97	1.5 Skretting
	RW 2	462.9	26,099	56.38	66	96	1.5 Skretting

Hatchery :	<b>Prosser Hatchery</b>			
Month/Year:	<b>August-04</b>			
Species:	<b>Steelhead</b>			
<b>Day</b>	<b>Pond Numbers</b>	<b>Fish on Hand</b>	<b>Mortality</b>	<b>Food Fed</b>
08/31/04	C 1	165		Krill & Pellets
	C 2	97		Krill & Pellets
	C 3	81		Krill & Pellets
	C 4	115		Krill & Pellets
<b>Pond Temperatures</b>				
<b>Water Source</b>	<b>Yakima</b>			
Maximum				
Minimum				
Average	57.0			

**Coho:** Todd Newsome

- Master plan is w/John Easterbrooks and will go to Mel.
- Asking John to look at Appendices and get to Mel by next week.
- Greg Ferguson's stuff in the Appendices.
- Preferred alternative is to have a Coho facilities.
- LaSalle is in Pat's hands, working on MOU. It's between Lawyers.
- Budget Mod is being done.
- Fish numbers are coming back up at the Bonneville for Coho. Hitting the second peak.
- Holmes site; one adult at Easton 20 Holmes returned at Roza.
- Naches 600 fish (pittags)
- 1,200 at Naches this year.
- Roza facility is closed right now (video running).
- Wild fish are migrating out much earlier.
- Three radio tagged Coho came back.
- 15-20 Coho a night at the denil trap.
- September 22 Cowiche Trap in operation. The following week Tuesday through Thursday
- Radio tag Naches Fish.

**Fall Chinook:** Melinda Davis

- First survey on September 14<sup>th</sup> below Donald Bridge to Granger.
- Next week all reaches.
- Marion Drain first week in October.
- Fish in Study Group acclimation at Wapato and Stiles. Rear Fall Chinook.
- 15,000 Pit tags to get all out (goal).
- 3,000 at Stiles.
- 3,000 at Wapato (net pens) pit tag per group.
- Chuck Carl will look at Net Pens and see what maintenance need to be done to make operational.
- Need good survival numbers for Fall Chinook.
- Working with Bill Fiander and Joe Blodgett on how to keep fish separated out.
- Accelerate these fish.
- Two crews for surveys for the next couple of months.
- Hire one person to work at the denil trap (night shift).

**Data:** Bill Bosch

- Dam counts with historical record. If someone sees or wants to add any historical data.
- Back to 1940 Roza dam counts.
- Cle Elum Hatchery spawning and keeping up with the data.

**CONSTRUCTION; MAINTENANCE; MITIGATION:**

*AC Sites Pump Status:* David B. & Charles S.

- Towards end of next week Thursday or Friday FishPro and CH2M Hill meeting in Bellevue to talk about problem and what needs to be done. Will get back because this meeting has been confirmed. Could be later today.
- Continue contract for FishPro to continue the work when needed.
- If we need to replace a pump or such at Clark Flats then we will see.
- Impiro has not responded at all. They are out of Bellingham.
- Getting this resolved by November 15<sup>th</sup> will probably not happen.

*Tillman Creek Mitigation Status:* David Byrnes

- State Park access.
- Looking at strategy for construction easement.
- What would be the cost for temp easement compared to permanent easement?
- Appraiser has some idea and will get these drawn up and what the cost will be.
- ECP is working on this, they also worked on Charter Road.
- Diane Sheldon is back from vacation and will look at the stuff submitted by David B.
- Get ready for next spring and summer.
- Council concerned on funding for Tillman Creek. Regarding Liability.
- Need to get letter to Council on what we should do, could do or not do.
- Letter on potential liability.

**BUDGET:** David Byrnes

- Expense budget still working on it as related to the Council
- There is a gap and that's what they are working on.
- What are the real expenses for 04?
- This won't happen till all accruals are in. If no accruals have been made available they will be coming out of the 05 budget.
- None of the YKFP Projects have fallen into this category.
- Will Conley will be the first implemented into this process.
- 05 Amendment, when ready the format will already be there to put this information into.
- We need to establish something for everyone to be able to work on this program.

**NEPA:** Patty Smith

- Working on JARPA's

Meeting Adjourned

**NEXT MEETING: Tentative Date October 14, 2004, 9:00 a.m. at Cle Elum M&E Bldg.**

**Policy Group Minutes: October – November – December 2004**

**October meeting notes not available.**

**M E M O R A N D U M**

**DATE:** November 17, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at the Nelson Springs Office on November 17, 2004. In attendance were Melvin Sampson, Dr. Dave Fast, David Brynes, Scott Nicolai, Charles Strom, Bill Fiander, Jeff Spencer, Bill Sharp, John Easterbrooks and Pat Sprugin.

**AGENDA REVIEW:**

- David Brynes would like to introduce BPA team. Will call in at 10:30
- Ad Clips – Bill Bosch will talk about
- Subbasin Plan
- Coho & Lake Cle Elum

**STAC:** Dave Fast & Todd Pearsons

***Cle Elum Fish Passage Status:***

- Up in the air, October meeting 20,000 pit-tag fish
- Denny Hudson did not see antenna's being placed.
- BOR can't issue a contract
- Pit-tag to see if fish are leaving Lake Cle Elum
- Meeting on Tuesday at BOR
- 150,000 quote on two antennas – option of placing 1 antenna this year.
- We can do our own efficiency test.
- All we want is them to place the antenna's
- Would be on a 3-5 year college
- Sockeye from Lake Wenatchee
- NEPA is involved.
- Patti will need to know the full scope of BOR's involvement
- Patti and Nancy will call in and we can discuss the involvement.

***CBFWA: Presentation Follow-up:***

- Program review
- Meeting in Portland to review the Power Council's reviews.

***Yakima Subbasin Plan/Response Loop Status:***

- Late today or tomorrow will be submitted to the County.
- All YKFP products.
- Wednesday the 24 of November these will be submitted.
- Start review of these on 29<sup>th</sup> and 30<sup>th</sup>.

- Moberland Biometrics and the three H's (hydro, habitat and harvest)
- Chris Frederickson and Bill Bosch can work on preameter.
- Chris Frederickson will start on Upper Yakima spring Chinook
- Suggested that Chris do a presentation.

***Spring Chinook Summary Report/Salmon Recovery:***

- Received some comments back.

***Steelhead Master Plan:***

- Not much has changed with this, still working on Coho Master Plan.

**ADDED AGENDA ITEM:**

Ad Clip: Bill Bosch

- Vertical clip, adoipose clip, no clip?
- Todd P., went to meeting, came back and done proposal.
- ½ pit-tag go out marked and ½ with no mark.
- Uncorfortable with changes at the last minute.
- Discussion with Doug Neely.
- Would half to do with each raceway.
- Pit-tag a equal amount of fish in each raceway.
- Other hatcheries are using adoipose clipped fish in Yakima River.
- IRSP Plan?
- Technical people are ignoring.
- What is the solution?
- Would like clear direction to at least figure out the trade off.
- Curt, Mark J., Bill Bosch, Charlie and Todd will get together.

BPA: David Byrnes

- Update on findings of Wetland Mitigation Pump Filed Development at Tillman Creek.
- Charlie and Dan went through log to find out.
- Lydia G., will discuss the findins.
- Don't think there is a contract Claim here.
- Evidnece shows is could be ground water pumping.
- Determination is that its no.
- How to respond to Council. Is this a appropriate cost for program? Question from council.
- Where and how are we designing hatcheries?
- David B., will do a letter to Council and cc: John E. and Melvin S.
- Proceeding with Tillman creek this summer
- Patti will call back with NEPA issues.

**OPERATIONS:**

Klickitat: Bill Sharp/Jeff Spencer

- Klickitat Subbasin Plan
- Handed out CD, said to disregard the previous ones with April date. December is the new one.
- Placed on December agenda in Portland.
- ½ hour presentation.
- Completion of step 1.
- December 14, 15 and 16<sup>th</sup> is the meeting.
- Hatchery Transition shooting for December 30<sup>th</sup>.
- WDFW commission will not act on till January.
- Castile Falls project is moving along.
- Will wrap up this for the winter, one more week of work.

- Steven S. coordinated the trip to Klickitat (videoed).

Jeff Spencer/EDT Modeler:

- Four different areas tracking.
- Yakima Response done on Friday.
- Final meeting with Heather at Wildlife.
- Approach to Klickitat? Present material on this in a different way.
- User friendly cheat sheet.
- SRBD Salmon Recovery, developing outreach.
- Economic analysis.
- Bull Trout and Steelhead.
- Develop Kelt Reconditioning
- 20 page response loop.

NEPA: Patti Smith

- Release of Coho in Cle Elum Reservoir.
- Coho Master Plan
- Coordination with BOR.
- Do they have coverage? Are they going to?
- Dave Fast will ask at the Tuesday meeting.
- Dave K., is the NEPA person for BOR.
- Do we do a EIS or should have? Need to review the EIS.

**COHO:** Todd Newsom

- Coho Master Plan was mailed to Mark Fritch.
- Judy done a 2 page summary.
- Species interaction, spots in plan where they did use this.
- Will follow behind Bill Sharp's Klickitat Master Plan.

# MEMORANDUM

**DATE:** December 14, 2004  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs on December 14, 2004. In attendance was Melvin R. Sampson, Dr. Dave Fast, David Brynes, Todd Newsome, Charles Strom, Dan Barrett, Bill Fiander, Kelly Clark, Scott Nicolai, Todd Pearsons, Pat Spurgin, Bill Sharp.

## AGENDA REVIEW:

- Melinda Davis is out today, Todd Newsome will report on her project.
- Bill Bosch is attending a conference.

**STAC:** Dave Fast and Todd Pearson

### *Fish Passage, Status Update,*

- Meeting held on December 15<sup>th</sup>. Pit tag Detection at Cle Elum to monitor 12,000 Coho.
- Net pens in Lake.
- Will only pit tag these fish. No other mark.
- One raceway ready to go.

### *Cle Elum Marking Status:*

- Marking done last week.
- Standard marking techniques.
- Color-coded.
- Raceway by placement of body tag.

### *Ad Clip Marking status:*

- Meeting between Dave Fast, Mark Johnston, Bill Bosch and Steve Parker.
- DIT (Double Index Tag).
- Wild fish are not ad clipped.
- All Hatchery fish are Ad clipped.
- Survival rate of wild and hatchery maybe hard to determine due to markings by several agencies.
- CWT or PitTag? Mark would have to handle each fish at Roza to make determination if fish were hatchery.
- Feasible impossible to work up fish in one day.
- Preliminary feasibility test were done on this.
- Hatchery did have a higher rate of survival rate.
- December 13<sup>th</sup> meeting a decision was made to next year to at least ad clip hatchery and all CWT in snout.
- Will get more information this way.
- Each raceway will have its own code.
- All hatchery will be ad clipped and CWT.
- Two hatchery-controlled raceways will be the 2<sup>nd</sup> best which will be right red lasimeter.
- Bill sent out e-mail yesterday after noon December 13<sup>th</sup>. Will need to get to John Easterbrooks.
- Then will be sent to Bill Twiet.
- Were going to resolve what needs to be done this year.

- Stock specific on stock in the Yakima River.
- 16 raceway's of fish with CWT.
- 2004 brood year, 16 supplement ad clip and CWT.
- Two raceways with CWT in 2<sup>nd</sup> highest retention.
- By 2005 – explore the increase of 40,000 to 80,000 by \$90,000, Pit tag detection at Roza which will add \$40,000-\$50,000, Determine of the not handling all fish that came through the facility.
- Releasing from net pens at Cle Elum. Did this location change?
- What NEPA needs to be done. Change in location of Todd's Coho and short-term acclimation in the ponds.
- Patty will need to look into. If where just talking about location it might be o.k.
- Do you have a write-up on this that Patty can look at?
- Dave said they have a meeting on Wednesday, December 15<sup>th</sup> and then Dave will get something to Patty.
- Dave Fast 9:00 am meeting at BOR with Denny Hudson. Update on what the plans are. BioMark, issue of sole sourcing etc. BOR is paying for pit tags and the detection.

#### ***Yakima Subbasin Plan:***

- Was submitted to NWPPC on November 26<sup>th</sup> by e-mail.
- 20-page summary (was asked to submit). But, it turned out to be a 44 pg summary.
- Now under review by NWPPC.
- One copy was given to David Brynes.
- Patty would like to request a copy for review.

#### ***Internal PAR:***

- Wednesday, January 5, 2005 at the M&E Facility, Cle Elum Hatchery.
- 2<sup>nd</sup> Internal PAR for genetics will be Wednesday the 12<sup>th</sup> of January 2005.
- University of XXXXXX had done some grain analysis on some hatchery smolt and published in Science magazine. We have a problem with some of the analysis.
- Were questioning if brain size should be used.

## **OPERATIONS:**

#### **Cle Elum: *Charles Strom***

- 2004 egg inventory transferred to vertical incubators = 858,716 (762,668 wild + 96,048 hatchery). Combined egg loss for two groups was 6.3%.
- Fish on hand for 03 brood is 802,404 with an average size of 37 fish/pond (31 for hi and 44 for lo treatment).
- All acclimation sites are set up and ready for transfer. RV trailers serviced only Jack Creek. Trailer needs to be serviced.
- Clean up of incubation building near complete. Clean up includes scrubbing buckets and deep troughs..
- Hal Owens serviced hatchery signal lights.
- Last two sleds were serviced by Sportland and are ready for winter season.
- Pump test at Clark Flat completed on November 29, 2004. All flows are above 840 gallons per minute.
- Marking and tagging operation completed on December 8, 2004. Lost 3,400 fish in pond 10 due to over crowding.
- Charlie, Annie Jo and Vernon attended Northwest Fish Culture Conference in Victoria B.C.
- Quinn James was hired to replace Jason Rau.
- Dan Barrett came along to PGM and was at the Cle Elum Hatchery Facility.
- David Brynes said he will make a call and maybe a site visit regarding trucks running the light on Charter Road.
- Charlie will give D.J. heads up on safety patrol.
- Schedule a safety event? Provide information?
- Charles has had trouble with vandalism with the light signals. Will look into the usage of mirrors.

#### **Prosser/Marion Drain: *Bill Fiander***

- November 30<sup>th</sup> Prosser Steelhead Kelt release (295 released).
- 40 kelts tagged and released at Mabton.
- Three Roza Kelts released at Century Landing.



- Nine days earlier due to Chandler water shutdown.
- Running on well water right now.
- Adult Coho holding with well water was not cold enough. Needed river water.
- Yearling Coho Yakima 46,625 approximately.
- Washougal 40,358
- Coho spawn number is down.

**Habitat:** Scott Nicolai

- SFBD Funding lead entity on six projects.\
- Kelly Clark has been speaking with the daughter on Holmes property and let them know that funding was approved. Sign contract with SRFBD this process will take about a month can't deliver till February.
- SRFD can't fund anything with structures.
- Appraisal is being done right now.
- Still need to negotiate on a price on Holmes Property.
- Scott and Kelly went to Portland last Wednesday, submit 32-page proposal for six properties for 1.9 million asking for BPA.
- Three BPA people thought the proposal was good. But...BPA would not be able to help. 60,000 for project and to get off the ground.
- County Commissioners on Henne Property in Union Gap to approve on 100% will not be paying taxes.
- Lower Naches properties will be doing these next year.
- Meeting on December 15<sup>th</sup>, 2004 with Sunnyside Irrigation District.
- Technical Advisory Team scooping.
- Maps provided to Patty.
- Jack and Flats Creek, Kelly is working on getting these maps.
- Can you still do Bi-Op's with what you have?

**Coho:** Todd Newsome

- Survival for Coho is a little lower than other hatcheries.
- Fall Chinook does good.
- It was discussed with Joe Blodgett that we do a couple spawns per week. This did or will cut down the mortality per pound.
- Later in the runs is when you want your fish (Coho)
- Coho in Acclimation site in February.
- Finished tagging at Eagle Creek.
- These are big and need to get out as soon as possible.
- Kelt tracking.
- Bringing in Washougal fish will get these in January (Christmas fish).
- CRITFC Coho meeting in Leavenworth January 13<sup>th</sup> and 14<sup>th</sup>. Present Coho Master Plan.

**Fall Chinook:** Melinda Davis

- Compiling data back in 1997 to present.
- Will get this information to Judy to for Master Plan.
- Field crew is done.
- Half as many redds as last year.
- 100 redds at Marion Drain
- 60 below.

**Klickitat:** Bill Sharp

- M&E crew wrapped up
- Coho surveys on to the new year.
- Data Base Management with Mike Babcock.
- Will Conley, wet land mitigation
- Doing permits
- Annual reports

- Klickitat Basin – all four projects. Teepee Creek Culvert Project, Columbia Land Trust Phase I \$700,000 & Columbia Land Trust Phase II Restoration, RFB vegetation, Snyder Creek Fish Passage. Informed Greg Johnson that we will be monitoring).
- Subbasin, preliminary review process, prioritization? Ranked as high, med or low.
- Recovery Planning.
- Master Plan January agenda at Vancouver.
- Get to Mark Fritch some more information
- Bill S will work with David Brynes on getting these project numbers.
- **KLICKITAT HATCHERY**
- Four million eyed eggs from Priest
- Lewis River
- BIA Grant for 20,000
- Submit for hatchery maintenance
- Meeting with tribal maintenance
- Fish pump
- SEPA hit a snag in the transition for public access. SEPA gave Klickitat County a chance to get involved. Which they wrote a four page letter requesting they get everything as far as requesting information records as far back as they can.

**DATA:** Bill Bosch out

**CONSTRUCTION, MAINTENANCE, MITIGATION:** David Byrnes

***Ac Sites Pump Status:***

- CH2M Hill preliminary reports are back. Placement of impeller, flows are better.
- FishPro will send report on their findings.
- CH2M Hill will also submit report.
- Bottom line is that we have the pumps fixed and operating.
- CH2M Hill has requested that we check it out and confirm that the pumps are working and performing to our expectations.
- Contracting officer will look at all three reports from FishPro, CH2M Hill and Cle Elum Hatchery. Once compiled, this should be behind us.

***Tillman Creek Mitigation Status:***

- Letter handed out to Charles and Scott
- Utilization of ground water.
- No liability of the lay of the land field.
- Took top of the Aquafur
- Letter went to council on December 10, 2004.

**BUDGET:** David Byrnes

- Update the SOW we do have in place
- May 1<sup>st</sup> is the new renewals in the Pisces software program.
- Projects with contracts in the Pisces format.
- Construct in word, organize the page, look like in the format and then Pisces format.
- Sometime in January you maybe able to review, but not able to go in and make changes.
- If we get our SOW done before January 1<sup>st</sup> and need to submit before February 1<sup>st</sup>. What are our chances of these getting done into the Pisces format before due date? Chances are good. Pencil in January 6<sup>th</sup> as starting this process. (handed out handout).
- As Example. O&M Hatchery
- AOP can Charlie submit last years AOP?
- Will be posted on website on December 15, 2004.
- Will have all definitions posted.
- David said he will be happy to sit and work with Charlie and Billy on these definitions.

- Subcontracts going to have to do this process? Subcontracts could be milestones or used as work elements.

**NEPA:** Patty Smith

MEETING ADJOURNED

**NEXT MEETING: January 19<sup>th</sup> 2005 at the Nelson Springs Office.**

## Policy Group Minutes: Jan-Feb-Mar-Apr 2005

### MEMORANDUM

**DATE:** January 21, 2005  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs on **January 19, 2005** at 1:00 p.m. In attendance were Melvin R. Sampson, Dr. David Fast, David Brynes, Charles Strom, Bill Bosch, Bill Fiander, Melinda Davis, Todd Newsome, Scott Nicolai, Pat Spurgin and John Easterbrooks

#### AGENDA REVIEW:

- Todd Pearson out with the Flu.
- Bill Sharp said would be at the meeting at 2:00 p.m.
- This meeting was held at 1:00 p.m. due to meeting schedules.
- Meeting came to order at 1:10 p.m.

**STAC:** Dave Fast

#### *Internal PAR:*

- There were two Internal PAR's that were held.
- January 5<sup>th</sup> was for Projects
- Things that needed to be resolved otherwise what are you doing project wise.
- Everything went well
- Bill Bosch was the note taker.
- Second Inter PAR was on Genetics
- Mark Johnston brought his Chandler crew up.
- Distinguishing stock at Prosser Smolt trap.
- Last year we made changes. Take more evenly through with more time.
- Mark's crew had questions and a better understanding of what is expected. Went well.
- Genetic sampling of Steelhead. Salmon Recovery for Steelhead and Bull Trout
- Held a meeting last week on all information and will get to Judith Woodward.
- Need for Samples. Satus, Toppenish, Ahtanum, Naches and Upper Yakima. Need more work on Ahtanum.
- Sampled at one site and can't distinguish groups.
- Two groups that don't fit under this genetic sampling?
- How do we go forward with sampling?
- Continue to take sampling from adults (steelhead).
- Steelhead workshop in mid-February, sponsored by YKFP & Mobrand Biometrics.
- Chris Frederickson will be doing this modeling.
- Coho tribal workshop will be on February 14 and 15 in Leavenworth.
- Peter Galbrith of CRITFC will be working with all four Treaty Tribes.
- Attended a Power Council meeting on January 18 in Portland.
- YKFP Policy Group Decision Document done on Steelhead? (yes)

- Todd Newsome has taken the lead on this.
- Mark Fritch has the Master Plan but...has not done his white paper on it yet?

***Cle Elum Passage Status:***

- Meeting this morning at the Cle Elum Fish Passage Work group. On storage reservoirs.
- 15,000 Coho
- Mark is ready to tag.
- Probably won't tag all 15,000.
- Contract with Bio-Mark went through.
- Concrete work has been done and ready by April 1<sup>st</sup>.
- Ecology blocks have been placed.
- Mid March pens will be in.
- Pit tag monitoring status going forward.
- Installation, 275 feet apart or on outside flume.
- Work both at Cle Elum and Bumping Lake. BOR will do.
- Plan has been sent out. Will send one down to Patti at Portland.
- Status of NEPA requirement? Patti and David discussed this and came up with this is just another Acclimation site.

**OPERATIONS:**

***Cle Elum Supplementation & Research Facility:*** Charles Strom

- 2004 egg inventory transferred to vertical incubators = 858,716 (762,668 wild + 96,048 hatchery). Combined egg loss for two groups was 6.3%.
- Fish on hand at CESRF 270, 942 totaling six raceways destined for Jack Creek. Jack Creek generators turned on January 6.
- 279,506 juveniles from 03 brood transferred to Clark Flats on January 10-12.
- 268,828 juveniles from 03 brood transferred to Easton on January 12 and 13<sup>th</sup>.
- Juvenile transfer truck lost power during return trip from Clark Flat. Borrowed Lower O&M truck to complete transfer to Clark and Easton sites.
- Motor for Easton Compressor replaced on January 18<sup>th</sup>. Went down on Saturday.
- Variable weather conditions causing intake problems at Easton and Clark Flat sites.
- CH2M Hill verified pump flows for Easton and Clark Flat site on January 4, 2005.
- Incoming gate closest to main office damaged by a falling tree caused by a windstorm.
- Sent four Sparling flow meters back to factory for repairs. Cost for repairs on two meters is \$670.00
- Rick from NC Machinery serviced compressors at acclimation sites.
- TSI software engineer at Clark Flats and Easton sites to check computers etc.

***Prosser:*** Bill Fiander

- Chandler canal is being watered back up.
- Pumping water from the canal. Did not use water from the river.
- Meeting with BOR on the 27<sup>th</sup>, talk what future water operating use plan.
- Scope of water use with all projects.
- Poned Accelerated Fall Chinook.
- Conventional fall Chinook will be ponded in two weeks.
- Marion Drain Fall Chinook are in circular tanks.

***Habitat:*** Scott Nicolai

- Holmes update...will get updated appraisal in one month.
- Surveyor has been contacted will be out at end of this month.
- Kelly has been working on hatchery operation line.
- Closing date shooting for May.
- Byrnes...Mgmt Team Approval tentatively approved. Allows to do preliminary work.
- Public meeting tonight in Yakima. Hearing on the 19<sup>th</sup> and 20<sup>th</sup>.

- Kelly moved into office at Ellensburg.
- Patti Smith called BA has been passed on for review. Hopefully do first thing this spring.
- Survey work at Hanson Ponds (corp permits).
- Meeting with local conservancy next month, we want to focus on the Teanaway.

**Coho:** Todd Newsome

- Out basin fish coming in on the 15<sup>th</sup>.
- First of March these fish will be out.
- Will be working in two site detection.
- LaSalle is about a week away on bud mod.
- Coho releasing & tagging, has there been a settled on max value?
- Needs to be processed in enough time to be processed March-April deadline.

**Fall Chinook:** Melinda Davis

- Meeting on 01/18 at Prosser with Todd and Joe B. We discussed where we would place everyone.
- Survival is good, half fish accelerated released. Other half conventional release.
- Fish at Styles and Union Gap.
- Short description of Union Gap. Pictures and write-up were sent to Patti Edler pond #3 is one we're using. The two ponds are breached together.
- We want to get fish in #3 maybe mid-March. Would like to place one net pen in.
- Styles would be for Coho.
- Union Gap is a new location.
- Prosser pit tag retention.....though it maybe to small, maybe get fish a little larger.
- Release outlet with pit tag detector. Have a idea of survival might be.
- 14,000 pit tags leaving the operation.

**Data:** Bill Bosch

- January 12<sup>th</sup> meeting at Wenatchee.
- Fifty folks from the Columbia Basin on monitoring activities. Large woody debris, sediment, water shed quality, the whole point is coordinate the different monitoring and quality by comparing results.
- Hatchery Work Group, work on document for hatchery questions.
- Smolt survival for spring Chinook.

**CONSTRUCTION, MAINTENANCE, MITIGATION:** David Byrnes

- Next week focus on getting contract with Sheldon in system.
- Easement with State Park, MOA instead of the easement.
- State Park rangers will manage at his level on the MOA.
- Crystal Lamphere will be handling the easement negotiations.
- Will talk with John A. and Bonnie Cresto instead of Lamphere.
- Map drawn for the easement. This is old map. Does not show the access of easement or the boundaries.
- Tillman Creek, negotiate and work on processed with a permanent easement.
- There is not a deadline on existing easement.

**BUDGETS:** David Byrnes

- Statement of Work is getting developed in the Pisces program.
- Products when converted into this new program will be a benefit for everyone.
- Next week will do Management into process (as per Mel).
- Ideally we would like to have everything done in sixty days. But.....we have ninety days to get everything converted.
- Workshop on Pisces program is set for February 3<sup>rd</sup> at the Winter lodge in Toppenish at 8:30 a.m.
- Will work on the work elements, any problems, everyone is requested to have a list of questions.
- Lap top computers will be hand to show how program works.

**NEPA:** Patti Smith

- No report given

**NEXT MEETING DATE/PLACE:**

**Tuesday, February 22nd at Nelson Springs. 9:00 a.m. March 2, 2005**

Meeting Adjourned

*The previous date of February 22 has conflicts to some participants, thus, it appears the next acceptable date is March 2, 2005 at 9:00 a.m. at Nelson Springs....pleeeze plan accordingly. If you have any agenda items, please submit them to me via email NLT COB February 25, 2005. Have a good day...mel*

# MEMORANDUM

**DATE:** March 8, 2005  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs on **March 2, 2005** (This meeting was February's Policy Group Meeting) at 8:59a.m. In attendance were Melvin R. Sampson, Dr. David Fast, David Brynes, Bill Bosch, Bill Fiander, Melinda Davis, Todd Newsome, Scott Nicolai, Bill Sharp, Todd Pearson, and John Easterbrooks

## AGENDA REVIEW:

- Release strategy
- PAR schedule
- Patty, agenda items for NEPA
- 1:00 p.m. meeting at the Convention center

## STAC: David Fast and Todd Pearson

- PAR meeting will be held June 16<sup>th</sup> and 17<sup>th</sup> at Central again.
- Release of spring chinook early? Because we had two early flows, proposal to release if we have bump in flows? Question is, do we want to do this?
- Went with six weeks of acclimation, this is based on hormone levels, no real indication for them to be at baseline.
- The longer we acclimate the better. This will increase homing and survival rate.
- HRSG meeting last Tuesday attended by Dave and Todd.
- Would like to do some experimental on the future but could be costly.
- **HAND-OUT MIPT Recommendations to STAC for Release of BY 2003 Smolts in 2005** [1.. As per Don and Ray's suggestion, pathology and physiology screening of fish occurs at the acclimation sites as scheduled on March 7, 8, 9. 2). Because no compelling data have come forward that would suggest opening the gates earlier than normal would result in increased adult survival, the screens will be pulled on the 15<sup>th</sup> of March, SOP. 3). Implement a combination of Charlie and Don's suggestion of dropping dam boards to more aggressively encourage directed downstream movement. In the evening just before dusk, remove 2 dam boards and leave them out overnight, repeating this process 3 days each week. Take advantage of any increase in flows when scheduling evening release during the week. Charlie's crew will put the boards back in the morning bringing the water back to the regular holding levels for that week. A suggested schedule is to start with all boards in on March 15 and drop 2 boards for the evening releases, continuing this for 2 weeks. Then remove 1 board permanently and repeat the evening releases, continuing this for 2 weeks. Then remove 1 board permanently and repeat the evening releases 3 times per week (dropping 2 dam boards) for the next 2 weeks. Continue removing 1 board permanently every 2 weeks and 3 "evening drops" per week. This should encourage movement under cover of dark and compress the exit time to the best water conditions, while minimizing the chances of fish being in the river that are not ready to display directed downstream migration. If, based on PIT monitoring, it appears that movement out of the raceways is not occurring at an acceptable rate with 3 evening releases per week then we should consider increasing it to 4 per week. 4). Finally, monitor the flow conditions and take advantage of any opportunities such as freshets after May 1 to encourage fish movement out on higher flows by dropping dam boards preferably in the evenings. Any fish remaining fish on May 15 will be forced out on an evenings release]
- Bill Bosch said that he would like to move #3 up to #1. But, yes....we are going to do this.
- This is about six days in advance they will be moving.
- Being the 2<sup>nd</sup> of March – could this be possible? Smolt trap truck? Take half of run ways and truck other half.



- Have not thought through the pros and cons of this experiment.
- This could be a contingency plan for a drought year.
- If we did a trucking maybe we could do as a five-year or early release.
- Irrigators may say that don't need water in the river if we truck the fish?
- But...they do have to keep some water in the river.
- March 20<sup>th</sup>, start tracking database of flows at Prosser, Parker etc.
- Tieton and Bumping are probably the only reservoirs that may be full this year.
- Will have STAC and MIPT folks work this out.
- We can't implement this by the 9<sup>th</sup>.
- We may have to encourage some of these fish to leave early.
- Fish that get trucked at Prosser are all fall chinook.
- Spring chinook yearlings have not be hit hard.
- Would like to release at Columbia Point, the estuary below the 240 bridge.
- STEELHEAD ISSUES: recondition kelts – trapping wild Steelhead at Shadducks laddar.
- No rainbow trout in there.
- This is an inverted weir.
- Sliding scale – using some for liability
- Will be all re-conditioned at Prosser.

#### *OPERATIONS*

##### **PROSSER:** Bill Fiander

- Steelhead coming in at Prosser right now.
- Coho Mitchell Act fish brought in on February 14<sup>th</sup>.
- In basin Coho moved February 7<sup>th</sup> at Lost Creek and Boone Pond
- Accelerated Falls at Prosser, Melinda is doing these.
- Eagle Creek coho 50,000 held at Prosser
- Outlet study at Prosser being tagged today and tomorrow.
- In two weeks going to net pens.
- Frames are at Marion Drain and ready to go.
- Domestic well, doing testing and will finish on Saturday.
- Then we will make the decision if its working or not.

##### **HABITAT:** Scott Nicolai

- Holmes, got appraisal yesterday March 1, 2005.
- Mr. Holmes (land owner) had passed away two weeks ago.
- Tony is the Power of Attorney and the other three siblings, all have to be in agreement.
- A separate appraiser does the reviews.
- After we get the review done we will get to owners.
- Meeting last week with Daryl the new Kittitas County Planning Director.
- Kelly working Correction Crew on Habitat planting trees at So. Naches Canal. Monthly meetings are going great.
- Tour of the Powell Ditch 4 miles long.
- Tucker Creek? BOR has made a mess of this project.
- Yakima Side Channels – Upper County Church property. We may be getting some money.

##### **COHO:** Todd Newsome

- Ponedged fish on February 7<sup>th</sup> (week of)
- February 14<sup>th</sup> Eagle Creek Fish
- Out of Basin fish will be coming in, in four-weeks.
- Do a volitional release.
- 21<sup>st</sup> more encouraging release. Drop the boards.
- 4<sup>th</sup> and 5<sup>th</sup> original date of release if these are any fish I propose to sein and get rest of fish out.
- Eagle Creek Fish creek in at 7lbs?
- Ponds were frozen 6-7 days.
- Merganzers packed around Boone pond. Don't have any at Holmes.

**FALL CHINOOK:** Melinda Davis

- Netpens will be placed at Stiles and Edler.
- Two releases of 75,000
- On the 14<sup>th</sup> are all accelerated.
- Accelerated fish released on the 8<sup>th</sup>.
- Conventional group acclimated before release.
- These are no external marks.
- Spoke with David Lind on how we can identify with out external marks.
- How are we going to separate these fish from Edler fish from Stiles fish?
- Can expand PIT Tag total at Prosser?

**KLICKITAT:** Bill Sharp

- Master Plan last month at Council for review talked with Mark Fritch this morning and Council expects us to address the comments in a timely manner.
- The White Paper has been done.
- Has the Coho Master Plan been submitted? (no)
- Next week will go out to Public for comments.
- Lyle Falls Bull trout project been collecting Steelhead DNA samples.
- Klickitat to down stream marking issue going to have a lot of Spring Chinook coming through the ladder.
- It was dramatic how the Coho was handled.
- Handling of Spring Chinook so there is no mortality.
- Need to look for sub contract but, also need to see protocol.

**DATA:** Bill Bosch

- No Issues For The Policy

**CLE ELUM SUPPLEMENTATION & RESEARCH FACILITY:** Charles Strom  
(*Charlie not in attendance. But e-mailed his report*)

- 2004 fry inventory in vertical incubators = 858,716 (762,668 wild + 96,048 hatchery). Fry are hatched and are at 1,330 temperature units.
- 284,016 juveniles at Jack Creek average is 36 fish per pound (Hi = 29 fish/lb and Lo = 44 fish/lb)
- 273,870 juveniles at Clark Flat average 34 fish per pound (Hi = 29 fish/lb Lo = 40 fish/lb.
- 268,170 juveniles from 03 brood transferred to Easton average 34 fish per pound (Hi = 29 fish/lb, Lo = 43 fish/lb.
- February 10 fish transferred to correct locations. (Jack Creek 3 and 4 swapped with Clark Flat 3 and 4).
- Intake screens froze on February 15 through 22 at Jack Creek. For safety measures had two people at the site throughout the night to remove ice from screens.
- Replaced electric sump pump at the vault at the Jack Creek intake. Sump pump was not working and water levels were close electrical control valves. Used 2" trash pump to keep water levels down until Triad delivered new electrical sump pump.
- Clark Flat pumps working fine and providing 5,300 gpm's to facility. Easton still low and providing 4000 to 4,100 gallons per minute to raceways.
- When flows at Jack Creek are at 5,300 gpm's water exceeds level of outlet channel. Water runs over and around entrance to outlet pipes. Flow has to be turned down to 4,700 gallons per minute.
- Crew finished pressure washing ponds and are now setting up for fry which are scheduled to ponded in mid-April.
- DJ hosted monthly safety meeting, no accidents to report.
- Narrowed the three available Hatchery Host positions down to 6 candidates. Received 18 applications. Phone interviews conducted on March 1<sup>st</sup> and 2<sup>nd</sup>. Three successful candidates (May – June; July- August; and September – October) will be notified on March 8, 2005.
- Snow tires removed and all seasons placed on Chevy Blaser, S-10, and F-150.
- Working with Sandra Noel on making a new brochure. Have a meeting with her March 9<sup>th</sup> at 10:00 am at Cle Elum. I hope Dave Fast and John Easterbrooks will be available to attend.

- Ray and Don will perform pre-release samples on 03 juveniles on March 7, 8, and 9.
- 

**CONSTRUCTION, MAINTENANCE, MITIGATION:** David Brynes

- Pump at Easton to be upgraded on the 15<sup>th</sup> of May. Course of action to be pleased with.
- Propeller switch was out.
- De-water the wet well, when fish are gone.
- Strategy for Nelson Springs, draft outline (modular)
- Budget: through Monday will come back with drawing and costs. \$225,000 greatly reflected as a 05 expense.
- Contract renewals are going through.
- May need additional information from Adrienne on training issues (more detail)
- Contract manual is there going to be an update? (yes) will add issues regarding the training in new manual. (appropriate training)
- 06 budget process under way. At sometime will be sent out for comments.
- Any schedule as to when this will available to look at. Could be straight line from 05 year.

**BUDGET:** David Brynes

- Maintenance for Roza Trap
- Need to remove from BOR maintenance Agreement.
- Move to one of our M&E or O&M.
- Move out from M&E Phase II screens.
- Currently the BOR has an allocation for this. In order to confirm the 10,000 from 06 Budget (\$42 million dollar project).
- Suggested to Mark to do a five year maintenance budget.
- Tillman Creek contracts are getting in Place.
- Contraction easements need to coordinate on this.

**MEETING ADJOURNED:**

**NEXT MEETING: March 30<sup>th</sup>, 2005 at Nelson Springs,  
9:00 a.m.**

# MEMORANDUM

**DATE:** March 30, 2005  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Nelson Springs on **March 30, 2005** at 8:59a.m. In attendance were Melvin R. Sampson, Dr. David Fast, David Brynes, Bill Bosch, Bill Fiander, Scott Nicolai, Bill Sharp, Todd Pearson, John Easterbrooks, Patti Smith, Charles Strom and Pat Spurgin

## AGENDA REVIEW:

- 11:00 conference call w/ Lydia Grimm, BPA Attorney. Discuss issues on Hatchery Host Program
- John Easterbrooks needs to leave meeting at noon (jury duty)
- #5 update on status of Subbasin Planning issues.
- Bill Bosch to add to STAC. Neely has some stats on 2000 data for McNary Dam.

## ***OPERATIONS:***

Cle Elum Supplementation Facility: Charles Strom

- 2004 egg inventory transferred to vertical incubators = 858,716 (762,668 wild + 96,048 hatchery). Average temperature units is 1504
- Pulled screens at acclimation sites on March 9, 2005. Following MIPT and STAC recommendations a modified release protocol was adopted. Mondays, Wednesdays, and Fridays of each week two dam boars are removed from each raceway at 3:00 pm. This drawdown is done to encourage fish to leave and the two dam boards are placed back in the following mornings to bring pond levels back up.
- Selections were made for the Hatchery Host Volunteers.
- Sandra Noel, of Noel Designs, contracted to design and illustrate a new hatchery brochure. She met with Dave Fast, John Easterbrooks, and Squeak from the tribune and Charlie to discuss new information.
- Pit tag monitor at Clark Flat shut down for a brief period on March 14. Water entered the pit tag vault and shut it down. Darren of PMFS was able to troubleshoot and get it back on line. Have concerns about water flow over and into the vault at all sites.
- Operating on minimal water flow. One river pump, one drain pump (for spawning channel, and one well for incubation purposes.
- Three rivers pumps not in use had oil and fluids changed.
- Jennifer Scott of WDFW reports that spawning channel activity peaked during the first week of March with over 3,000 fry captured per day and by mid-March numbers decreased to about 200 fry per day.
- Fish release sampling (USFWS, NOAA, AND WDFW) at acclimation sites conducted on 3/7-9/05.
- Day Wireless repaired communication problems from acclimation sites to facility computers.
- Jack Creek radiators sprung a couple of small leaks and new ones were ordered and installed by NC Machinery.
- A couple of hazardous trees were removed by the gate closest to the Cle Elm's main office.
- Ponds set up for April ponding. Crew busy repairing hoops and refurbishing mort pickers and pond brushes. Side panels for predator net removed in preparation for new ones to arrive soon.
- Incoming traffic light went into fault mode and Hal Owens was called to troubleshoot problem. Need some maintenance as result of heavy truck and hatchery traffic use.
- Dean Communications looked at the facility phones located by the main and secondary gates. Both phones have not worked for several months and will be forward me a proposal in a couple of days. He believes that water may have caused damage to lines.

Fish on Hand at end of February.

Site	No. Of Fish	Fish/pound
<b>Clark Flat</b>	<b>273,870</b>	<b>28( hi=23.6; lo=32.1)</b>
<b>Easton</b>	<b>268,170</b>	<b>30( hi=25.4; lo=34.6)</b>
<b>Jack Creek</b>	<b>284,016</b>	<b>33( hi=28.0; lo=37.9)</b>
Total/Average	826,056	30.3

Prosser/Marion Drain: Bill Fiander

- Chandler Canal shut down right now. Dewater, will be up on Friday, putting in check boards
- Will deliver water to juvenile facility
- Dewatered on March 29, 2005. Friday should be finished.
- This is not a typical action taken every year.
- Mitchell Act Fish (Willard) moved to next week when we have the fish.
- John Easterbrooks asked if ODFW was hauling fish for us last week. Because one of the fish hauling trucks were stopped and ticketed for over weight. They may have been hauling Mid-Columbia Coho up north. (Tom Scribner)
- Prosser production well, test well results were good. Will continue with the production well.
- Drilled to 115 feet, this was adequate water.
- Patti Smith asked if there was an Archeologist person out at the site? This is part of the Agreement to have a person out there. Bill will look into.

Todd Newsome not in the meeting today. He did send an update of his projects.

- All sites are wide open and some fish have left. Boone Pond has had fish moving out since March 14, 2005. Lost Creek fish were forced out on March 21, 2005. Holmes fish will be forced out on Wednesday the 30<sup>th</sup>. Stiles fish are beginning to stir and are acting like they will be moving soon. (We can't really get a good seine in the pond.
- We have seen 0 hatchery fish at Chandler. Approximately 13 wild fish.
- Everything else is going well.

Melinda Davis not in attendance at meeting today. She did send an update of her projects.

- Poned 39K fall Chinook at Stiles pond on 3/16/05. Fish are eating and doing well. Plan to hold them until able to PitTag (2500).
- Poned 75K at Edler pond (Union Gap) on 3/15/05. Unfortunately, kids vandalized the pen and released the fish on March 30<sup>th</sup>. Do not plan on ponding second group do to compromise of experiment; will plan to try again in 2006. On the bright side, predation crew has witnessed the little guys feeding in the mainstem ;)
- Beach seine effort around Van Giessen will begin next Tuesday, 4/5/05.

Habitat: Scott Nicolai

- Appraisal of Holmes has been done. Working with YN Land Enterprise to close the deal.
- \$25,000 higher than a year ago.
- \$350,000 for whole property. (Still a very good deal).
- Work through the County line adjustments. Finally got this figure out. The Hatchery ground is 13 acres. Habitat is 37 acres.
- The daughter has power of attorney since her father passed.
- Need to get the purchase and sales agreement to them.
- Scott is serving on the Yakima County Task Force committee. Shoreline stuff. Meeting w/Planning Commission in April.
- Submitted revised Yakima Sid Channels contract. To work on next suite of properties.
- Hank Fraser is spending a lot of time on Courier Creek Barrier removal.

- Working w/developer to get all diversions off the creek.
- 2-3 miles of good habitat area.
- Also working on Tanum Creek to get BOR to fix ladders to help juveniles
- Need to talk to BOR on this, they keep telling us they need to go through a permit process, when actually two guys w/shovels can do this in a couple of hours. Sounds like BOR is hiding behind the permit process of not being able to do the job.
- Kelly is working on Management Plans and also working w/correction crews on planting.

Klickitat: Bill Sharp

- Master Plan out for public review ends May 13<sup>th</sup>. Went out on February 8<sup>th</sup>. Mark Fritch wrote the white paper (can be seen on line) and Council release for review.
- Hatchery Spring Chinook smolts released in March.
- Spring Creek Hatchery flush is the reason for letting them go.
- Direct release of Coho were bumped up by a week into the Klickitat.
- Expecting a strong return this year for the Upper Klickitat. We may open a season. Depends.
- Lyle to upstream to Lydell maybe open for fishing.
- Hatchery transition appears it maybe delayed again. Will have a meeting on the 19<sup>th</sup> and will call Bill Tweit to see if he is available for meeting.
- Will discuss SEPA issues, WDFW got comments back from Klickitat County.
- Earth Day is April 23<sup>rd</sup> at the Court House Lawn.
- Bill Sharp and some crew members were shown on Northwest Indian News, Sunday night.
- Showed small clips of the Hatchery transition and Castile Falls.

**ADDED AGENDA ITEM:** David Byrnes Conference Call w/Lydia Grimm

- Hatchery host issues on liability
- Tort Claims against the Tribe and BPA
- Immunity if host gets hurt or a third party hurt by the host.
- Used the ODFW guide to use as template.
- BPA concerns...has other departments used? Background checks? Maybe a way to treat volunteer as a federal employee? Looking into...BPA may not have the immunity the tribe has.
- How does the National Parks use their camp ground keepers? Lydia thought that they run off contracts but this would have to be looked into.
- Reference checks were done and no criminal backgrounds were done. Even though it was stated on the applications that it would be.
- When Charles done his reference checks on three that were selected. Did not feel at that time he needed to do criminal background checks. This process still can be done up request.
- What needs to be done as far as a federal agency doing a criminal background check?
- We are receiving feedback from Oregon Forest Services as far as how they go about doing their volunteer workers.
- May 1<sup>st</sup>, 2005 will be the start up date. Volunteers were already informed of their selection by phone and letter.
- When references were called were any of them federal agencies? Charles did think so.
- Focus in on telling them or brought to their attention "what if you were fired?" Should they become any problem or complaints made against them.
- Charles did speak with the YN Insurance Department to ask about volunteer workers. Only medical may apply.
- Patti Bogar, Cle Elum Hatchery Office Assistant has been working on a Host Packet. Will forward to Lydia and Pat Spurgin for their review. If Charles has any questions can contact Lydia at (503) 230-3528.

**DATA:** Bill Bosch

- Data base set up on 05 harvests. Dam counts and collection
- Hatchery end of month 03 brood.
- Set up database for ponding of 04 brood
- Feasibility review published maybe next year this time.
- M&E performance period report.

**STAC:** Dave Fast

- PAR will be held on June 15<sup>th</sup> and 16<sup>th</sup> at Central.
- Will send out Agenda announcement
- Steelhead Master Plan Salmon Recovery Plan. County has taken the lead. Doing work that NOAA was suppose to do. Bull Trout and threatened Steelhead in Master Plan. Due in June
- Convinced County to hire Judith Woodward to work their Master Plan.
- Will have a two day workshop and bring some people that are out of basin.
- There is a lot of information out there and will try to get into a format that people can review.
- Steelhead kelts recondition. Two tribes Satus and Logy. No residence trout.
- Six maiden steelhead, six reconditioned and six males.
- Fish caught at Shattuck's were held in trap at Chandler. DNA, length and weights were taken.
- Held in circulars
- Second stream where they were held did not do so well.
- Collected kelts after spawning holding in ponds to recondition.
- Will collect fry in spring.
- Air spawned the one left. Will do intensive study at the University of Idaho.
- Lake Cle Elum
- Out of basin Coho.
- Flume, net pens are ready to go, just waiting for water.
- Called Denny Hudson to see what was going on?

**CONSTRUCTION/MAINTENANCE/MITIGATION:** David Byrnes

- Pete Weederman, pump man for CH2M Hill had a major heart attack.
- On schedule at Easton for impellers to be replaced.
- Pump tech will come and pull the pumps and replace
- Would like to run the pumps maybe one week (end of May?)
- Eight work days of modification
- Will contact Mark and maybe have moved to first of May and then we can run for the five day test.
- Final reports for training and ed.
- Mel and Adrienne working on getting this edited.
- Final report for Klickitat construction.
- Bill Sharp asked David if it was possible to add 10% to budget? David did not think so...but. go ahead and send him an e-mail of request of 10%.
- All 05 budgets are straight lined.
- Roza Adult trap, talked with Tom Leonard to prepare a maintenance budget to support Mark.
- Move money out of Phase II and move to move to Charlie's O&M contract.
- Dredging, don't know when to schedule DOE to issue a notice to us. May need to recognize as in 06 budget.
- Water rights at the hatchery has been extended. Due to the drought
- Jeff Randell is working on this.
- 06 budgets out for review in the next 2-3 weeks.
- Nothing on Subbasin Plan. Yakima Subbasin has been placed into the program.
- Create some new type narrative (spacing etc).
- This is a transition year for all these reports.
- Based on work and excel documents. Later on these documents will be loaded in Pisces program.
- The system is live. So...if anyone has an account w/Pisces can go in and look and make edits.
- Will create an authority list of who can have access.

**NEPA:** Patti Smith

- Statement of Work done reviewing.
- Issues with Klickitat will get with Bill Sharp.
- As far as everything else were in place.

Meeting adjourned.

**NEXT MEETING: April 27<sup>th</sup>, 2005 at Cle Elum M&E Building**

# MEMORANDUM

**DATE:** May 5, 2005  
**TO:** Melvin R. Sampson  
**FROM:** Carol S. Speedis  
**SUBJECT:** YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at Cle Elum Research Center at 8:59a.m on April 27, 2005. In attendance were Melvin R. Sampson, Dr. David Fast, David Brynes, Patty Smith, Bill Bosch, Vern Bogar, Pat Spurgin, Melinda Davis, Todd Newsome, Todd Pearson, and John Easterbrooks

## AGENDA REVIEW:

- Charles Strom not in attendance. He is on training, Vern Bogar will do the Report for Cle Elum Hatchery
- Bill Fiander not in attendance. He is on training. Was unable to send someone in his place due to work schedule.
- Scott Nicolai called and is unable to attend today.
- Will bring in the new Hatchery Hosts for introduction.

## STAC: Dave Fast & Todd Pearson

- PAR is moving forward and is scheduled for June 15 & 16, 2005 at CWU
- Changed a few agenda items
- Sent out agenda
- William Meyer and Scott Nicoali will coordinate the Habitat section.
- Keynote – Larger Environmental Issues: contaminants etc. and how it affects in-basin stuff.
- David Byrnes suggested that we speak to Bob Lackey. He talks of these sorts of issues.
- NPPC Tour, people have made suggestions to change.
- Will start incorporating some of the changes and suggestions.
- Posting of abstracts
- Presentations getting posted to website.
- Dave will speak w/Paul Huffman to get these on the site.
- By the end of next week should have a final agenda
- Some pre-review have been going on during the Q&A and also people will stop and talk during break or after conference, about a specific topic on whether a certain project works or does not work.
- Annual report is part of process or issues that were discussed at PAR.
- NPPC/BPA TOUR
- May 18<sup>th</sup> and 19<sup>th</sup>, 2005
- For new NPCC Council members.
- Will tour Lyle Falls at Klickitat @noon, then Wahkicus at 12:30, Castile Falls, McCreedy Creek, Kessler Meadows and then depart to Yakima. Will stop somewhere and have an Elk BBQ.
- Stay in Yakima but, it was also discussed that they could stay at Prosser and continues tour from there.
- Second day will start out at Prosser (Steelhead, Coho, fall Chinook), Roza, will skip LaSalle, head to Cle Elum Hatchery, Hanson Ponds, Easton tour and have Salmon BBQ.

## Spring Chinook Run, Timing and Size: Bill Bosch

- 1996 timing graphed again 50% crossed Bonneville.



- We ended up with 50,000
- Projected again at 254,000
- 1996 when we ended up with flooding
- 40,000 fish behind
- 20,000 can p/u 80,000 we will be up there to our fish to June 15<sup>th</sup>
- Still think it's early yet to count the fish.

#### Sport Fishing Season: John Easterbrooks

- Tentative proposal
- Usually by now the season is open
- None selective fishery (proposal)
- Since 2002 two-fish per day, barbless hooks on YKFP fish.
- Ratio was 42% hatchery and 58% wild.
- Forecast is strong we can predict 50/50
- This year we didn't want to do that.
- This year we may have a non selective fishery based on the forecast
- Klickitat, Wind River and Drano are open.
- 1-2 week season
- Memorial Day weekend run through day after and shut it down.
- Don't want to open any fishing in June.
- Need 300 fish over Chandler for it to be fishable
- May 9<sup>th</sup> according to the graph.
- June 16 – 31<sup>st</sup>, one fish limit, wild or hatchery, this is the date for sport fishing on Yakima. Mid Yakima to Granger Bridge, 300 feet below Roza mainstem.
- Above Ahtanum will need fishing permit.
- Granger Bridge to border of the Yakama Reservation need WDFW fishing permit and a Yakama Reservation permit.

#### Cle Elum Fish Passage Study: Dave Fast

- In conjunction with BOR.
- Placed in netpens 13,000 Coho not enough in reservoir to spill so we can proceed with the study.
- PiTag count as they go out.
- Release at Cle Elum Dam
- All these Coho were tagged at Prosser facility

#### Lower River Pump Exchange: Dave Fast

- BOR is doing different lower river pump exchanges. Black Rock is one of them. Klickitat Irrigation District (KID) this is one of the potential things being done.
- This is some of the things that are going on in the basin. Just to inform YKFP.

#### Collaborative Systemwide Monitoring/Evaluation Project (CSMED)

- BPA funded CBFWA
- Bill and Dave are working on this for the tribe.
- Three day workshop in Napa, ID three weeks ago.
- All species and all H's.
- People getting involved are actually communicating with other agencies and this is a good thing.
- Bottom line is that Bill and I have been giving data of where we are and what we have developed.
- These are hatchery standard and we are the lead.
- The monthly meetings are in Boise.
- AHA model, natural productivity, losses etc.
- Five different subbasins Yakima is one of them.
- Dave had meeting with BOR and BPA on Roza operations.

- Determine the water allocation.
- Will shut down for three weeks
- While canal was down and placed more water in the river.
- Canal has been running power.
- Tucking the gate to divert water at Roza, designed to run undershot.
- NOAA had two representatives, Dale Bambrick and Kale Gullett.
- Need people there monitoring the dam when it's in the tuck mode.
- Fish people do want all the water to go through.
- Will be back on by this Friday.
- Do a gate tuck when the fish start piling up?
- Getting the gate tucked does take time and labor work.
- BPA's representative said that this has been a long term request and thinks that it has theirs and everyone else's best interest to get the fish through. But, also wants to generate power.
- Five hours with a five foot tuck is standard operation.
- A one foot tuck will move fish that's all we ask for.
- David Byrnes, said this was all news to him and he got on the phone got people's intention. Had lunch with Bill M., Director of SOAC and Buzz Cobell, Tribal Liaison.
- Why are we running power function? Jeff Thomas is drafting a letter to David Murillo.
- SOAC recommendations
- Pat Monk will write up and have signed by NOAA and Co-managers to take these under consideration.

## **OPERATIONS:**

Cle Elum Hatchery: Vern Bogar

- Transferring fry to ponds.
- RV on the host pad will introduce the hosts after lunch.
- Pumps at Easton. Will pull, replace, run before June.
- Shutting down the channel this week.
- Also shutting down the chiller.
- Acclimation site radiator leak on the generator MC Machinery fixed.

Prosser: Bill Fiander

- No report given

Habitat: Scott Nicolai

- No report given

Coho: Todd Newsome

- Acclimation Coho 1<sup>st</sup> of February encouraging release. Fish in McNary 52,000 fish at Chandler this is expanded.
- 78 hits at Stiles.
- Lost Creek fish were the first to show up at McNary.
- 01 out migration, 12 days a part, 02 out migration, 12 days a part, 03 out migration 4 days a part, 04 out migration, 4 days a part.
- 04 hatchery will out do the wild fish.
- Moved the fish in February and bigger fish when off the ice feed them hard.
- They are essentially all early release.
- Boone Pond had a merganser problem.
- Pit tag detector was stolen.
- Could not get the fish to feed or move during the day. Stayed at the bottom.

- Five foot screw trap at Selah/Naches (no water) Steelhead receiving 10 a day. 48 steelhead smolts, two clips on each.
- Technicians are out with Chris Frederickson today.
- Scales on all smolts (steelhead)
- Survival from Doug Neeley to McNary of 5,000. just off from smolt.
- Prosser is also getting huge steelhead smolts.
- Schackly would like 100 viles.
- Todd Pearson suggest that Todd Newsome ask for more viles.
- The eight foot screw trap would have been way too big.
- Kelts were found at Keechelus and Whistling Jacks. This is the furthest they have been found on the Naches.
- Three samples from each day. Also some show up smaller than 65. taking scales.

**NOTE: Did receive by phone, consensus from Kurt Kanudson to push out fish early. (Vern Bogar)**

Fall Chinook: Melinda Davis

- Beach Seining on May 4<sup>th</sup> and 5<sup>th</sup>. Done at lower reaches. Benton and Van Gessen.
- Only pittags
- Released accelerated fish, first group on April 22<sup>nd</sup> both Marion Drain and Prosser. Second group on April 25<sup>th</sup>.
- Doug Neeley STATS all accelerated fish. Total 165,000
- Stiles Pond March 16<sup>th</sup>. Original target was 75,000
- Little White fish conventional maybe released on May 10<sup>th</sup>.
- Conventional still at Prosser pittag next week and release May 10<sup>th</sup> and 13<sup>th</sup>. In two groups.
- LV clipped.
- Marion Drain have no clips

Klickitat: Bill Sharp

- no report given

Data: Bill Bosch

- installed Pisces on his and Charlie's computers
- David Brynes will give Bill access code.
- M&E word document did get converted.
- Bill can go in and work out.
- Prosser last week, two control groups
- Collect and radio tag on acoustic tags.
- No morts
- These are steelhead kelts
- Steelhead come in from the separator
- Last week ponding data 11<sup>th</sup> -15<sup>th</sup>. Started and finished.
- Month end sampling this week.
- Roza has not seen any fish as of yet.

THE HATCHERY HOST CAME IN:

- Lou & Kem came in for introduction to the YKFP group. They arrived from San Antonia, TX, are two retired school teachers and will be at the Hatchery for two months before the next Hatchery hosts come in.

**CONSTRUCTION/MAINTENACE/MITIGATION:** David Byrnes

- Easton Acclimation CH2M Hill is waiting to coordinate w/fish spawn. On schedule
- Jeff Randall to provide monitoring and evaluation of our water monitoring program.

- Evaluation final implication of this.
- Water emergency amending your ground water permit.
- Added whole year to water monitoring.
- Extending the due date monitoring period 1/31/06 hereby order of long term 2005-2006.
- Interim plan is done by Jan 2006?
- Final Oct, 2005 BPA should notify Ecology.
- Keeping this under capitol budget.
- Tillman, two permits that need to be processed. WA ST Parks, MOA for trails.
- Feeding and caring of plants.
- Sheldon and Associates, waiting for pricing and should have something to David by end of the week. For monitoring in spring time.
- Ellensburg Cement Property(ECP)
- ECP site owned by Cristo.
- Additional interest is growing, considering in buying ECP to preserve an historical train terminal museum?
- Would like to save and protect for fish and wildlife area.
- TPL approach us to any easement proposal that BPA has.
- We have nothing to do with ECP. All were trying to do is establish an easement.
- Administration:
- David, Adrienne and Shirley have a bookkeeper's workshop on the 4<sup>th</sup> of May.
- Tracy Hersh has left BPA to go and work in Tacoma. Kelly Kuntz has taken his place.
- Master Plan review, Klickitat Coho, the 9<sup>th</sup> of May. Monday at 1:00 at Wahkiacus office. Mark Fritch and Marker will be there.
- May 18<sup>th</sup> and 19<sup>th</sup> tour with council members.
- Nelson Springs, what is the next step?
- What is the proposal?
- A lot of site work, along with double wide along w/existing house.
- Septic?
- Mel and Dave have already contacted manufactory home specialize
- Maintenance for Roza meeting April 28, 2005 with Tom Leonard at BOR. Would like Mark to be in attendance.
- Tom is having a tough time dealing with the contract layout.
- 2006 budget, everyone should have received by e-mail. A letter on 06 budgets, comments due date is May 20<sup>th</sup>, 2005.

**NEPA:** Patty Smith

- Nothing to report – everything seems to be in place.

**MEETING ADJOURNED:**

**NEXT MEETING: May 25<sup>th</sup>, 2005, Tentatively at Wahkiacus, if not will meet at Nelson Springs.**