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NWPPC Artificial Production Advisory Committee
Anadromous Fish Workgroup

Date: March 21, 2002
10:00 AM to 4:00 PM

Location:
NWPPC
851 S.W. Sixth Avenue, Suite 1100
Portland, Oregon 97204-1348

Meeting Packet

NWPPC Artificial Production Advisory Committee
Anadromous Fish Workgroup
Date: March 21, 2002

Meeting Packet Contents

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4	**Overview of HSRG Process in Washington**	**21-22**
5	**Description of Work for Each Province** APRE work for each Province HGMP work Phase I, II and III Common tasks for completion of APRE / HGMP's	**23-28** 23-24 24-27 28
6	**Schedules** Overall Schedules APRE / Draft HGMP completion schedules APRE findings available for subbasin plans	**29-31** 29 30 31
7	**Data and Information Collection and Interviews / Responsibilities for Council / Contractors / NMFS/ Tribes and Agencies**	**32-33**

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NWPPC Artificial Production Advisory Committee

Section 1.

General Introduction

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1. General Introduction

Current Project Status

- **Preparing for a late April startup for first provinces**
- **Finalizing funding with Bonneville Power**
- **Preparing for contracting portions of the project**
- **Designing final implementation issues**
- **Confirming final schedules for implementation**
- **Coordinating with NMFS to consolidate data and information collection for both processes (anadromous programs)**

Purpose of Meeting

- **Review implementation issues and project schedules**
- **Review data /information methodology**
- **Review involvement needed from managers (time/ schedules/ funding)**
- **Review deliverables, final products for evaluation and data and information that will be available for managers**

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NWPPC Artificial Production Advisory Committee

Section 2.

Members Introduction

Artificial Production Advisory Committee

(February 15,2002 update)

Organization	Name	Address	Phone No	E-mail
Northwest Power Planning Council				
Northwest Power Planning Council	**Bruce Suzumoto** **Mark Fritsch** **Dan Warren** **Kendra Phillips** **Brian Allee**	851 SW 6th Ave. Suite 1100 Portland, OR 97204	503-222-5161	bsuzumoto@nwppc.org mfritsch@nwppc.org dwarren@nwppc.org kphillips@nwppc.org ballee@nwppc.org
Columbia Basin Fish and Wildlife Authority				
Columbia Basin Fish and Wildlife Authority	**Neil Ward**	2501 SW First Ave., Suite 200 Portland, OR 97201-4752	503-229-0191	neil@cbfwf.org
Tribal				
Confederated Tribes of the Colville Reservation	**Joe Peone / Jerry Marco/John Arterburn**	Highway 155 N. / P.O. Box 150 Nespelem, WA 99155	509-634-2113	joepeone@colvilletribes.com cctfish@mail.wsu.edu john.arterburn@colvilletribes.com
Spokane Tribes of Indians	**Keith Underwood**	Alex Sherwood Bldg., Main St. / P.O. Box 100 Wellpinit, WA 99040	509-258-7020	keithund@spokanetribe.com
Kalispel Tribe of Indians	**Joe Maroney**	1981 N Leclerc Rd. / P.O. Box 39 Usk, WA 99180	509-445-1147	jmaroney@knrd.org
Kootenai Tribe	**Sue Ireland**	County Rd. 38A / P.O. Box 1269 Bonners Ferry, ID 83805	208-267-3620	ireland@kootenai.org
Coeur d'Alene Tribe	**Ronald Peters**	850 A Street / P.O. Box 408 Plummer, ID 83851	208-686-6307	rlpeters@cdatribe.org
Nez Perce Tribe	**Ed Larson**	Main St. / P.O. Box 365 Lapwai, ID 83540	208-843-7320	edl@nezperce.org
Confederated Tribes of the Umatilla Indian Reservation	**Brian Zimmerman**	Old Mission Highway / P.O. Box 638 Pendleton, OR 97801	541-276-4106	brianzimmerman@ctuir.com
Confederated Tribes of the Warm Springs Reservation of Oregon	**Bob Spateholts** **Patty O'Toole**	4223 Holiday St. / P.O. Box C Warm Springs, OR 97761	541-553-2045	bspateholts@wstribes.org potoole@wstribes.org
Yakama Nation	**Tom Scribner**	4067 NE 23rd Ave. Portland, OR 97212	503-331-9850	scribner@easystreet.com
Shoshone-Bannock Tribes of the Fort Hall Reservation	**Chad Colter**	29 Shoshone Dr. / P.O. Box 306 Fort Hall, Id 83203	208-478-3761	rezfish@poky.srv.net

Shoshone-Paiute Tribes of the Duck Valley Reservation	**Guy Dodson, Sr.**	Highway 51 Stateline/ P.O. Box 219 Owyhee, NV 89832-0219	208-759-3246	dvirfg98@aol.com
Columbia River Inter-Tribal Fish Commission	**Doug Dompier**	729 NE Oregon St., Suite 200 Portland, OR 97232	503-731-1292	domd@critfc.org
Upper Columbia United Tribes	**Bill Wiles**	1500 W 4th Avenue, Suite 406 Spokane, WA 99204	509-838-1057	bwiles@aimcomm.com
Federal				
Bonneville Power Administration	**Peter Lofy**	P.O. Box 3621 Portland, OR 97208-3621	503-230-4193	ptlofy@bpa.gov
National Marine Fisheries Service	**Bob Foster**	F/NWR2 510 Desmond Drive Lacey, WA 98503	360-753-9594	robert.foster@noaa.gov
U.S. fish and Wildlife Service	**Lee Hillwig**	Columbia Basin Ecoregion 911 NE 11th Ave. Portland, OR 97232	503-872-2766	lee_hillwig@fws.gov
State				
Idaho Department of Fish and Game	**Tom Rogers**	600 S. Walnut St. / P.O. Box 25 Boise, ID 83707	208-334-3791	trogers@idfg.state.id.us
Oregon Department of Fish and Wildlife	**Trent Stickell**	2501 SW First Ave. / P.O. Box 59 Portland, OR 97207	503-872-5252	Trent.W.Stickell@state.or.us
Washington Department of Fish and Wildlife	**Chuck Johnson**	600 Capital Way N. Olympia, WA 98501-1091	360-902-2653	Johnscwj@dfw.wa.gov
Montana Department of Fish, Wildlife and Parks	**Gary Bertellotti**	1420 E 6th Ave. / P.O. Box 200701 Helena, MT 59620-0701	406-444-2447	gbertellotti@state.mt.us
Utilties				
Chelan PUD	**Steve Hayes**	327 N. Wenatchee Ave./ P.O. Box 1231 Wenatchee, WA 98807	509-663-8121	
Grant County PUD	**Stuart Hammond**	P.O. Box 872 Ephrata, WA 98823	509-754-5064	shammon@gcpud.org
Non-Governmental Organization				
Native Fish Society	**Bill Bakke**	P.O. Box 19570 Portland, OR 97280	503-977-0287	bmbakke@teleport.com
Independent Science				
Oregon State University	**Ian Fleming**	Hatfield Science Center 2030 S.E. Marine Science Drive Newport, OR 97365	541-867-0255	Ian.fleming@hmsc.orst.edu
Consulting for NWPPC				
	Steve Smith	8462 S. Heinz Rd Canby, OR 97013	503-263-1253	huntersmith@canby.com

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NWPPC Artificial Production Advisory Committee

Section 3.

Administrative Issues / Agenda

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NWPPC Artificial Production Advisory Committee

Draft Meeting Agenda for Anadromous Fish Workgroup
Date: Thursday March 21, 2002
Time: 10:00 AM to 4:00PM
Location: Northwest Power Planning Council
851 S.W. Sixth Avenue, Suite 1100
Portland, Oregon 97204-1348

Conference Call in Number -1-800-452-5170 pass code 2792

Item No.	Subject	Time Period From	Time Period To	Presenter(s)
1	**General Introduction** Update since last meeting Purpose of meeting / Common goals	**10:00 AM**		**Bruce Suzumoto**
2	**Members Introduction**			
3	**Administrative Issues and Questions** Review Agenda for additions / changes Minutes and attachments from last meeting		**10:30 AM**	**Bruce Suzumoto**
4	**Overview of HSRG Process in Washington**	**10:30 AM**	**11:00 AM**	**Lars Mobrand**
5	**Description of Work for Each Province** Overall APRE work for each province HGMP work Phase I, II and III (Chart from 1/17/02) Common Tasks to complete APRE data / information and draft HGMP's Phase I (Detailed Tasks 1-5)	**11:00 AM**	**12:00 Noon**	**Bruce Suzumoto / Dan Warren** **Bob Foster** **Dan Warren / Lars Mobrand / Bob Foster**
	LUNCH	**12:00 Noon**	**1:00 PM**	
6	**Schedules** Overall schedules (APRE/ HGMP's) APRE / Draft HGMP completion schedules (Tasks 1-5) APRE findings available for subbasin planning	**1:00 PM**	**1:30 PM**	**Dan Warren / Bob Foster** **Dan Warren / Bob Foster** **Dan Warren**
7	**Discussion of Data and Information Collection and Interviews / Responsibilities for Council / Contractors / NMFS/ Tribes and Agencies**	**1:30 PM**	**2:15 PM**	**Dan Warren / Lars Mobrand / Bob Foster**
8	**Next Meeting Time and Place / Final Wrap up / Other**	**2:15 PM**	**2:30 PM**	**Bruce Suzumoto**

The times listed for specific agenda items, and the order of these items, are approximate and are subject to change. Public comment will be taken after each agenda item as time allows.

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NWPPC Artificial Production Advisory Committee

Section 3A.

Administrative Issues /

APAC Charter

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PACIFIC NORTHWEST ELECTRIC POWER

AND CONSERVATION PLANNING COUNCIL:

CHARTER OF THE ARTIFICIAL PRODUCTION ADVISORY COMMITTEE

1. Official Designation: This advisory committee will be known as the Pacific Northwest Electric Power and Conservation Planning Council's Artificial Production Advisory Committee.

2. Background: The Northwest Power Act, P.L. 96-501, 16 U.S.C. §839 et seq. (Act), in Section 4(h)(1)(A), requires the Council to develop a fish and wildlife program for the Columbia River Basin. The Program establishes the creation of Artificial Production Advisory Committee in order to achieve a regional perspective and a unified approach to artificial production reform. The Artificial Production Advisory Committee is intended to provide the Council with advice on artificial production reform and assist the Council in implementing those reforms. This advisory committee is established as part of a network of advisory committees satisfying the Council's obligation under the Act to establish a Scientific and Statistical Advisory Committee. 16 U.S.C. §839b(c)(11). Under section 4(a)(4) of the Act, the terms of the Federal Advisory Committee Act, 5 U.S.C. Appendix I, Sections 1-14, apply "to the extent appropriate" to the Council's advisory committees. 16 U.S.C. §839b(a)(4).

3. Objectives and Scope of Activity: The Artificial Production Advisory Committee will advise the Council on the implementation of artificial production reform and realignment in the Columbia basin. It will attempt to coordinate these changes in the most consistent and efficient manner possible. The Artificial Production Advisory Committee will fulfill this role by:

   (A) Assisting the Council in evaluating the appropriate purposes of artificial production programs and facilities.
   (B) Advising the Council on the most effective ways to implement artificial production strategies described in the 2000 Columbia River Basin Fish and Wildlife Program (Council document 2000-19) and policies and recommendations outlined in the Artificial Production Review report (Council document 99-15).

(C) Assisting the Council in determining appropriate artificial production performance standards.
(D) Proposing actions to the Council to achieve the intended reform.
(E) Helping to identify sources of artificial production information and data.
(F) Assisting in the review of specific artificial production programs.
(G) On a quarterly basis, reporting to the Council on the status of artificial production reform in the basin.

4. Official to Whom the Advisory Committee Reports: The Artificial Production Advisory Committee will report to the Executive Director of the Council.

5. Authority of the Advisory Committee: The Artificial Production Advisory Committee will serve in an advisory capacity only. Neither the Committee nor its members are authorized to make statements or commitments on behalf of the Council. Committee members will not be considered to be members of the Council staff.

7. Advisory Committee Management Officer: The Advisory Committee Management Officer for the Artificial Production Advisory Committee will be the Director of the Council's Fish and Wildlife Division. The Management Officer will designate members of the Council's staff to attend meetings of the Committee.

8. Appointment of Artificial Production Advisory Committee Members: Members will be appointed by the Council. Membership will include individuals from fish and wildlife agencies, tribes, independent scientists, and representatives of non-governmental organizations.

9. Length of Committee Membership: Artificial Production Advisory Committee members will serve two years. Terms may be staggered to maintain some continuity to the Committee.

10. Chairperson:

(A) The Chairperson will be a Council staff member designated by the Management Officer.

(B) The Chairperson may be called upon to report to the Executive Director of the Council on appropriate matters, including the Advisory Committee's progress on the tasks described in Part 3 of this Charter.

(C) The duties of the Chairperson will include presiding over Artificial Production Advisory Committee meetings, ensuring that detailed minutes of such meetings are prepared and submitted to the Executive Director of the Council in a timely manner, and maintaining communication between the Committee and the Council's staff.

(D) The Chairperson will certify detailed minutes of meetings of the Artificial Production Advisory Committee. The minutes will include a description of matters discussed, conclusions reached, actions taken, persons invited to meet with the Committee, and

persons in attendance. The minutes also will include copies of reports received, issued or approved by the Committee. Minutes of meetings will be prepared and released within ten days of the meeting, unless an extension is granted by the Management Officer. The Management Officer will distribute copies of the minutes to members of the Committee and the other interested persons.

(E) Sub-groups of the Artificial Production Advisory Committee may be established by the Chairperson of the Committee to undertake particular aspects of the Committee's work. Methods for organizing the work and procedures of the Committee must follow the scope of responsibilities assigned to the Committee by the Council. The work of the staff for the Committee will include making arrangements for Committee meetings, solving logistical problems, and providing clerical services.

(F) The Chairperson will be responsible for calling meetings, setting the agenda, closing meetings, coordinating work with the Council, and managing the business functions.

11. Policy: The advisory committee policy approved and adopted by the Council on May 17, 1982, as amended from time to time, will apply to the Artificial Production Advisory Committee.

12. Estimated Frequency of Committee Meetings: The Chairperson of the Artificial Production Advisory Committee, after consultation with the Management Officer, or his designee, will call meetings as necessary. All meetings will be open to the public, unless closed pursuant to 5 U.S.C. §552b(c). Timely notice of meetings, including agendas, will be given. Interested persons may attend Committee meetings and appear before or file statements with the Committee, subject to such reasonable rules as the Committee may prescribe.

13. Reimbursement of Expenses: The Council will reimburse Artificial Production Advisory Committee members for travel costs, including per diem in lieu of subsistence in accordance with the Council's travel regulations for contractors and advisory committee members, for the purpose of attending Committee meetings as authorized by 5 U.S.C. §5703. In addition, the Council may contract with Board members or others to carry out specific tasks. In particular cases, and with Council approval, the Artificial Production Advisory Committee may recommend the use of consultants to accomplish an assigned task.

14. Duration: The Artificial Production Advisory Committee will terminate two years from the filing date of this Charter, unless renewed in accordance with the Federal Advisory Committee Act. All members of the Committee serve at the pleasure of the Council.

This Charter for the Artificial Production Advisory Committee was approved and adopted at a duly called meeting of the Pacific Northwest Power and Conservation Planning Council, _____, in _____, _____.

PACIFIC NORTHWEST ELECTRIC POWER
AND CONSERVATION PLANNING COUNCIL

By: _____
Frank L. ("Larry") Cassidy, Chairman

Date Filed: _____

_____

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NWPPC Artificial Production Advisory Committee

Section 3B.

Administrative Issues /

Meeting Notes 10/10/01 Anadromous Fish Workshop

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DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

October 10, 2001

Northwest Power Planning Council, Artificial Production Advisory Committee
Date: October 10, 2001
Time: 9:00 AM to 2:25 PM
Location: Northwest Power Planning Council Offices, Portland, OR.

***Draft* Meeting Minutes**

Agenda Items -

1. **General Introduction**
2. **Members Introduction**
3. **Administrative Issues and Questions**
4. **Review Agenda**
5. **Current Schedule and Workplan Update**
6. **NMFS Bi-Op RPA on Marking Spring Chinook**
7. **Status of HGMP's (NMFS, USFWS)**
8. **Data and Information Needs**
9. **Facility and Program Evaluation**

Brian Zimmerman, Confederated Tribes of the Umatilla Indian Reservation and Patty O'Toole, Confederated Tribes of the Warm Springs Reservation of Oregon participated by telephone.

Bruce Suzumoto opened the meeting at 9:05 am. This meeting was a meeting of the anadromous workgroup members of APAC. The resident fish workgroup will be meeting in Lewiston, Idaho on October 16, 2001.

There were no comments on the minutes of the last meeting. **Bruce Suzumoto** reviewed the agenda. **Tom Scribner** had requested that **Larry Rutter**, NMFS, give a report on the Hogan decision about hatchery fish.

Larry Rutter explained that almost 2 years ago, in the 4-H process, NMFS found that there was a serious problem distinguishing hatchery-origin fish and natural-origin fish in the environment and this was confusing knowledge about the ESA status of populations. A second issue was the role of marking in selective fisheries.

A work group has been recently formed and is now meeting to develop a comprehensive plan for the fish marking as called for in the FCRPS BiOp. NMFS has not stated that "all" spring Chinook need to be marked. The result of the work group will be a plan that indicates which fish should be marked for what reason. The FCRPS BiOp only resulted in new marking protocols at Leavenworth, Carson, and Little White National Fish Hatcheries. **Larry Rutter** indicated that not all spring Chinook would be marked in the future in the Columbia Basin.

The comprehensive marking plan is scheduled for completion in June of 2002. The scope of this plan is for chinook, coho, and steelhead in the Columbia Basin, but it will also be coordinated on the west coast. The plan will cover numerous types of marks, not just fin clips. The core group initiating the comprehensive marking plan includes tribes, USFWS, Oregon, Washington, and NMFS.

Rob Walton asked if similar fish marking issues are occurring in Puget Sound and in California? **Larry Rutter** responded that they were, particularly in Puget Sound where hatchery fish greatly affect Pacific Salmon Treaty requirements.

Larry Rutter commented on the Hogan decision and indicated that the review done by John Shurts was very insightful. NMFS thinks the reasons for not listing the hatchery fish are still valid. These included the ability to continue fisheries. The issue of what to do about the Hogan decision is being reviewed in NMFS headquarters this week. NMFS decided not to seek a stay in the decision. NMFS has not been able to respond about whether to appeal or other actions as quickly as they might due to the current change in NMFS leadership.

NMFS is analyzing implications to other ESUs. **Larry Rutter** mentioned that he was not sure if this issue was being reviewed for species other than anadromous salmonids. **Lee Hillwig** said that there are discussions ongoing within USFWS about potentially wider implications.

Steve Smith suggested the Council put the John Shurts' analysis on its web site if it is not already there.

Rob Walton wanted to know if the Hogan decision was affecting the ability or proposal to harvest Upper Columbia River Steelhead of hatchery-origin. **Larry Rutter** was uncertain of the status of the harvesting issue. He suggested contacting Bill Robinson or Rob Jones about this issue.

Per the HGMP template, **Larry Rutter** stated that NMFS settled on the HGMP template as a means to get common information to meet ESA regulatory processes – with the support of fishery managers. The template then got integrated into the APR report. The HGMP then became a key component of the 4(d) Rule on threatened species to limit take prohibitions. [**Larry Rutter** distinguished between the HGMP and the HGMP template] NMFS has been including in section 7 consultations that HGMP template be used. What

confused the issue was the FCRPS BiOp that declared jeopardy on the hydrosystem, requiring off-site mitigation in hatcheries, harvest, and habitat to achieve increases in survival that could not be achieved in the operations of the hydrosystem. Under this process, HGMPs are being developed to not only ensure the hatcheries are not jeopardizing listed fish, but also could result in hatchery actions that would increase survival of listed fish that would help offset unavoidable mortalities associated with the FCRPS. This must be very clear that hatchery actions to avoid jeopardy can be mandated, are different than discretionary actions to change hatcheries to increase survival of listed fish as mitigation for the FCRPS. NMFS does not want to change the basic HGMP template, but is considering an addendum that would describe hatchery operations that could contribute to recovery.

Problems with getting HGMPs done are due to start up issues - transitioning from section 7 to 4(d) and the confusing nature of crediting under the FCRPS BiOP. Also there are so many processes that refer to using the HGMP that it is hard to get a common understanding. There are also funding and staffing issues to get HGMPs done and whether they should be done right away for hatchery programs that already have ESA coverage. **Lee Hillwig** stated that HGMPs would be dynamic documents once completed. USFWS may get appropriated funds in FY'02 to undertake some HGMPs. With regards to listed bull trout and sturgeon, USFWS did not find the FCRPS in jeopardy for these resident fish so there are no requirements for HGMPs. The USFWS will be using a modified HGMP template for resident fish.

NMFS has several draft HGMPs that have been turned in. These are undergoing negotiations between NMFS and the entity that submitted the HGMP. To Date no HGMP's have been approved.

Break

Dan Warren gave an update on the work schedule for the Hatchery Review and Evaluation (page 22 of handout). A key first step is to collect and consolidate base information. The Phase I report would be completed in July 2002 with the Phase II report completed in December 2002. This would address about 120-140 different programs. **George Nandor** remembered that IHOT addressed about 140 anadromous fish programs. **Lee Hilllwig** expressed concerned that July 2002 may be optimistic for completion of a Phase I report. **Rob Walton** countered about the frustration of regional leaders for some important hatchery information. One product of the Phase I report will be a mid-point audit of the hatchery reforms in the region.

Council staff met with NMFS prior to this APAC meeting to be sure each hatchery work is integrated and not duplicative. **Dan Warren** reviewed page 23 of the handouts on the data information needs for the Hatchery Review. Most of the data will be from states and USFWS, with tribes on a more limited basis. **Chuck Johnson** mentioned that WDFW's Future Brood Document is maintained in Olympia. **George Nandor** mentioned ODFW's Hatchery Production Schedules, as the key central database for their hatcheries. USFWS has its Columbia River Information System with its hatchery and brood data. **Lee**

Hillwig suggested a subgroup of data managers: Steve Pastor for USFWS and Kyle Addicks for WDFW. The Yakama hatchery data should be in WDFW's database. **Dan Warren** wants to use existing databases as much as possible as long as data is current and answers the key questions needing to be addressed. **Bruce Suzumoto** reiterated the need for a centralized current data on all Columbia Basin hatchery production.

Tom Scribner suggested getting the old PAC annual production spreadsheets that may have much of this information and were used to predict adult returns and distributions.

Bruce Suzumoto requested written comments on page 24 – purposes and outcomes in the next week.

There was discussion about "alignment and nonalignment" as a result. The key issue here is alignment of key operations with the stated facility/ program purpose, not so much alignment of the operations with original mandate.

The Phase I template was reviewed. Comments will be reflected in the next draft of the template.

A key area of discussion was how to collect O&M costs in Phase I. To collect any data requires getting very detailed data. Otherwise the information might be misused. **Bruce Suzumoto** and **Dan Warren** will go back and rethink the questions related to costs.

Lunch.

The smolt quality goal needs more thought as to what to measure the PSI indicator for smoltification refers to a regional smoltification index "when developed"

The incubation and rearing question needs work, particularly on what is natural incubation specific elements from the SRT report should be incorporated into the question

On research, the question may be whether this should explore research of propagation itself or explore the issues surrounding the need for and use of hatchery fish for studies of passage, habitat, etc.

Ian Fleming thought the questioning on research should be included under each purpose. Are research facilities included at the hatchery?

No meeting is currently planned for November.

Meeting adjourned at 2:25 pm.

_____

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October 10, 2001

Artificial Production Advisory Committee (APAC)

Date: October 10, 2001
Place: Portland, Oregon
Time: 9AM - 4:00 PM

Artificial Production Advisory Committee (Anadromous Workshop)
October 10, 2001 Meeting Attendance

	Name	In Attendance October 10, 2001
Northwest Power Planning Council	Bruce Suzumoto, Dan Warren	Present Present
Columbia Basin Fish and Wildlife Authority	Brian Allee Neil Ward	Present Not Present
Confederated Tribes of the Colville Reservation	Joe Peone Jerry Marco	Not Present Not Present
Spokane Tribes of Indians	Keith Underwood	Not Present
Kalispel Tribe of Indians	Joe Maroney	Not Present
Kootenai Tribe	Sue Ireland	Not Present
Coeur d'Alene Tribe	Ronald Peters	Not Present
Nez Perce Tribe	Ed Larson	Not Present
Confederated Tribes of the Umatilla Indian Reservation	Brian Zimmerman	Present by Phone
Confederated Tribes of the Warm Springs Reservation of Oregon	Bob Spateholts Patty O'Toole	Not Present Present by Phone
Yakama Nation	Tom Scribner	Present
Shoshone-Bannock Tribes of the Fort Hall Reservation	Chad Colter	Not Present
Shoshone-Paiute Tribes of the Duck Valley Reservation	Guy Dodson, Sr.	Not Present
Columbia River Inter-Tribal Fish Commission	Doug Dompier	Not Present
Upper Columbia United Tribes	Bill Wiles	Not Present
Bonneville Power Administration	Jeff Gislason	Present
National Marine Fisheries Service	Bob Foster Larry Rutter	Present Present
U.S. Fish and Wildlife Service	Lee Hillwig	Present

Idaho Department of Fish and Game	Tom Rogers	Not Present
Oregon Department of Fish and Wildlife	Trent Stickell George Nandor	Not Present Present
Washington Department of Fish and Wildlife	Chuck Johnson	Present
Montana Department of Fish, Wildlife and Parks	Gary Bertellotti	Not Present
Chelan PUD	Steve Hayes Dick Nason	Not Present Present
Grant County PUD	Stuart Hammond	Present
Native Fish Society	Bill Bakke	Not Present
Contractor	Steve Smith	Present
Oregon State University	Ian Fleming	Present

Also Attending: Rob Walton, Public Power Council

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Section 3C.

Administrative Issues

Meeting Notes 10/16/01 Resident Fish Workshop

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October 29, 2001

Northwest Power Planning Council, Artificial Production Advisory Committee
Date: October 16, 2001
Time: 8:00 AM to 12:00 Noon
Location: Red Lion Hotel
621 21st Street
Lewiston, ID 83501

General Work Session Issues (these are not meant to be specific meeting notes)

Agenda Items

1. General Introduction Overview and Review for New Meeting Attendees
2. Members Introduction (Self re-introduction and other members)
3. Administrative Issues and Questions
4. Minutes and Attachments from last meeting
5. Review Agenda
6. Review / Current Schedule and Workplan Update
7. Key Issues and Current Status
8. Status of HGMP's (USFWS)
9. Data and Information Needs
10. Work Session
11. Facility / Program Evaluation Template Phase I (Resident Fish)
12. Facility / Program Evaluation Template Phase I and II (Resident Fish)

This session was scheduled in coordination with a Columbia Basin Fish and Wildlife Authority Resident Fish Committee Meeting. The Artificial Production Advisory Committee (APAC) presentation and discussion started about 8:15 AM and was completed at about 12:00 noon

The presentation content was from a meeting packet, which is posted on the Northwest Power Planning Council's web site at www.nwcouncil.org.

The purpose of this work session was to:

- provide an overview of the Council's Artificial Production Advisory Committee (APAC) Facility / Program review

- obtain specific input from Resident Fish Managers on the APAC Facility/ Program Review and Evaluation and specifically the Phase I Template for resident fish facilities and programs .

Comments and suggestions are being incorporated into a second draft of the Template for Facility/ Program Purpose Review and Evaluation, Phase I Resident Fish. This draft will be sent out to APAC members for comment.

Some of the issues brought up in the work session were;

- concern with workload on managers especially with Subbasin planning coming up and concerns in relation to schedules
- concern with how Council contractors would interact with fisheries managers
- overlap with HGMP Process
- Lee Hillwig and Mike Faler (USFWS) discussed the HGMP process
- concern with review covering non-BPA funded facilities
- organizing questions in the template into a "suite" of questions for each facility/ program purpose
- how to fairly evaluate cost of facility or program operations.

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Section 4.

HSRG Overview

Hatchery Reform in Puget Sound & Coastal Washington
A Scientific and Systematic Redesign of Hatcheries Programs to Help Recover Wild Salmon and Support Sustainable Fisheries

---

The History of Hatcheries: Management for Production

There are approximately 100 hatchery facilities in Puget Sound and Coastal Washington operated by the Washington State Department of Fish and Wildlife (WDFW), Puget Sound and Coastal Indian Tribes, and the US Fish and Wildlife Service (USFWS). These hatcheries produce more than 100 million juvenile salmon and steelhead every year, playing an important role in the North Pacific sports and commercial fishing economy and in meeting tribal treaty harvest obligations. In operation for decades, most hatcheries were built to produce fish for harvest, compensating for declines in wild salmon populations.

Hatcheries have generally been successful at fulfilling this purpose. However, they have also been identified as one of the factors responsible for the depletion of wild salmon stocks. Some facilities have created stresses for wild fish, kept smolts from getting downstream and spawning fish from getting upstream, and lowered water quality. Physical and genetic interactions between wild and hatchery fish may have weakened natural stocks. Hatchery management decisions have often been piecemeal, not system-wide.

The Future: Management for Sustainable Fisheries and Recovering Wild Stocks

With several Puget Sound and Coastal salmon and steelhead stocks listed or proposed for listing under the federal Endangered Species Act (ESA), producing fish for harvest can no longer be the sole purpose of hatcheries. As part of a larger recovery process, state, tribal and federal managers of Washington's salmon and steelhead resources must ensure that their hatcheries do not present a risk to listed species. But the managers are seeking to go beyond merely complying with ESA directives that hatcheries be operated to minimize risks to endangered fish. They have embraced a new vision of reforming hatchery programs to provide *benefits* to the process of recovering wild salmon and providing sustainable fisheries. The managers have established a Hatchery Reform Coordinating Committee (Coordinating Committee) to work together on the "big picture" of this effort to reform hatcheries.

The Hatchery Reform Project

In May 1999, a group of leading scientists presented its recommendations in a report entitled *The Reform of Salmon and Steelhead Hatcheries in Puget Sound and Coastal Washington to Recover Natural Stocks While Providing Fisheries*. The report determined that the potential exists for hatcheries to have a major positive impact on the recovery of wild salmon, in just a few years and at relatively small costs. The team called for a comprehensive hatchery reform effort, led by a panel of independent scientists, to conserve indigenous genetic resources; assist with the recovery of naturally spawning populations; provide for sustainable fisheries; conduct scientific research; and improve the quality and cost-effectiveness of hatchery programs. With the support of then-Senator Slade Gorton (R-WA), Senator Patty Murray (D-WA), Congressman Norm Dicks (D-WA) and Washington Governor Gary Locke, the US Congress adopted and funded the recommendations in fiscal year 2000, launching the Puget Sound and Coastal Washington Hatchery Reform Project. The project is a systematic, science-driven redesign of how hatcheries will be used to achieve new purposes: 1) helping to recover and conserve naturally spawning populations and 2) supporting sustainable fisheries. The appropriations language provided funding to:

- Establish an independent scientific panel to ensure a scientific foundation for hatchery reform;
- Provide a competitive grant program for needed research on hatchery impacts;
- Support state and tribal efforts to implement new hatchery reforms; and
- Provide for the facilitation of a reform strategy by an independent third party.

Hatchery Reform in Puget Sound & Coastal Washington

Comprehensive Reform Driven By Independent Science

The Hatchery Scientific Review Group (Scientific Group) is the independent scientific panel established by Congress to evaluate hatchery reform programs in Puget Sound and Coastal Washington. The objective of the Scientific Group is to assemble, organize and apply the best available scientific information to provide guidance to policy makers who are implementing hatchery reform.

The Scientific Group is composed of five independent scientists (selected from a pool of candidates nominated by the American Fisheries Society) and four agency scientists designated by WDFW, the Northwest Indian Fisheries Commission (NWIFC), NMFS and USFWS. Like the independent scientists, the agency scientists are responsible for evaluating scientific merits and are not to represent agency policies. The nine scientists serving on the Scientific Group have a broad range of experience. Their scientific disciplines range from biology, genetics, ecology, fisheries, fish culture, fish pathology, and biometrics to other disciplines. Members include:

- John Barr, NWIFC (Vice Chair)
- Lee Blankenship, WDFW (Vice Chair)
- Donald Campton, PhD, USFWS
- Trevor Evelyn, PhD, Department of Fisheries and Oceans Canada (retired)
- Conrad Mahnken, PhD, NMFS Manchester
- Lars Mobrand, PhD, Mobrand Biometrics (Chair)
- Robert Piper, USFWS, Bozeman, MT (retired)
- Lisa Seeb, PhD, Alaska Dept. of Fish & Game
- William Smoker, PhD, University of Alaska

The third party facilitator specified by Congress is Long Live the Kings (LLTK), a private, non-profit organization whose mission is to restore wild salmon to the waters of the Pacific Northwest. LLTK's role includes providing facilitation and staff support to the scientific panel and the Coordinating Committee; and helping the managers communicate hatchery reform progress to Congress, state legislators, stakeholder groups and the public. LLTK was also invited to serve on the Coordinating Committee.

Where Does The Process Stand?

Since its inception, the Scientific Group has held monthly, three-day meetings, during which it has developed: 1) a scientific framework to inform its decision making and recommendations; 2) a benefit/risk assessment tool that can be used to evaluate benefits and risks associated with specific actions and choices in hatchery management; 3) hatchery operational guidelines to implement reform at each facility; 4) a research program to fill information gaps (to date, the Scientific Group has funded two rounds of research totaling over $1.25 million); and 5) monitoring and evaluation criteria to determine the success of hatchery programs and gather data for research.

The Scientific Group and Coordinating Committee agreed that it is important to evaluate hatchery programs in the context of the watersheds in which they operate and the goals set for them by the managers. For this reason, they divided Puget Sound and the coast into ten regions, providing an opportunity to make region-by-region recommendations based on: 1) regional management goals for conservation, harvest and other purposes; 2) stock status (biological significance and population viability); 3) habitat status (current and future); and 4) the particulars of each hatchery program. The first three regions were conducted during 2001. A written report on these regions was completed in February 2002. Four more regions will be reviewed in 2002 and the final three in 2003. The ten regions include:

- Eastern Straits
- South Sound
- Stillaguamish/Snohomish Rivers
- Skagit River Basin
- Nooksack/Samish Rivers
- Central Sound
- Grays Harbor
- North Coast
- Hood Canal
- Willapa Bay

For more information, visit the Hatchery Reform web site at www.lltk.org/hatcheryreform.html or contact Long Live The Kings at (206) 382-9555 x25.

2/18/02

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Section 5.
Overview, Description of Work for Each Province

Artificial Production Review and Evaluation (APRE)
Description of work for each province

Work steps

Common Tasks 1-5

1. Define goals/objectives summarized by province

- Conservation goals
- Goals for harvest
- Program purpose
- Program objectives

2. Review operational information

- M & E programs
- Program data
- Harvest and return data
- Costs and budget constraints

3. Review Program for consistency with goals/objectives

Is Program consistent with:

- Conservation goals?
- Harvest goals?
- Laws and agreements?

4. Formulate draft conclusions and recommendations by province

5. Review draft conclusions and recommendations with APAC and others; clarify issues, obtain feedback

6. Finalize conclusions and recommendations by province and basin

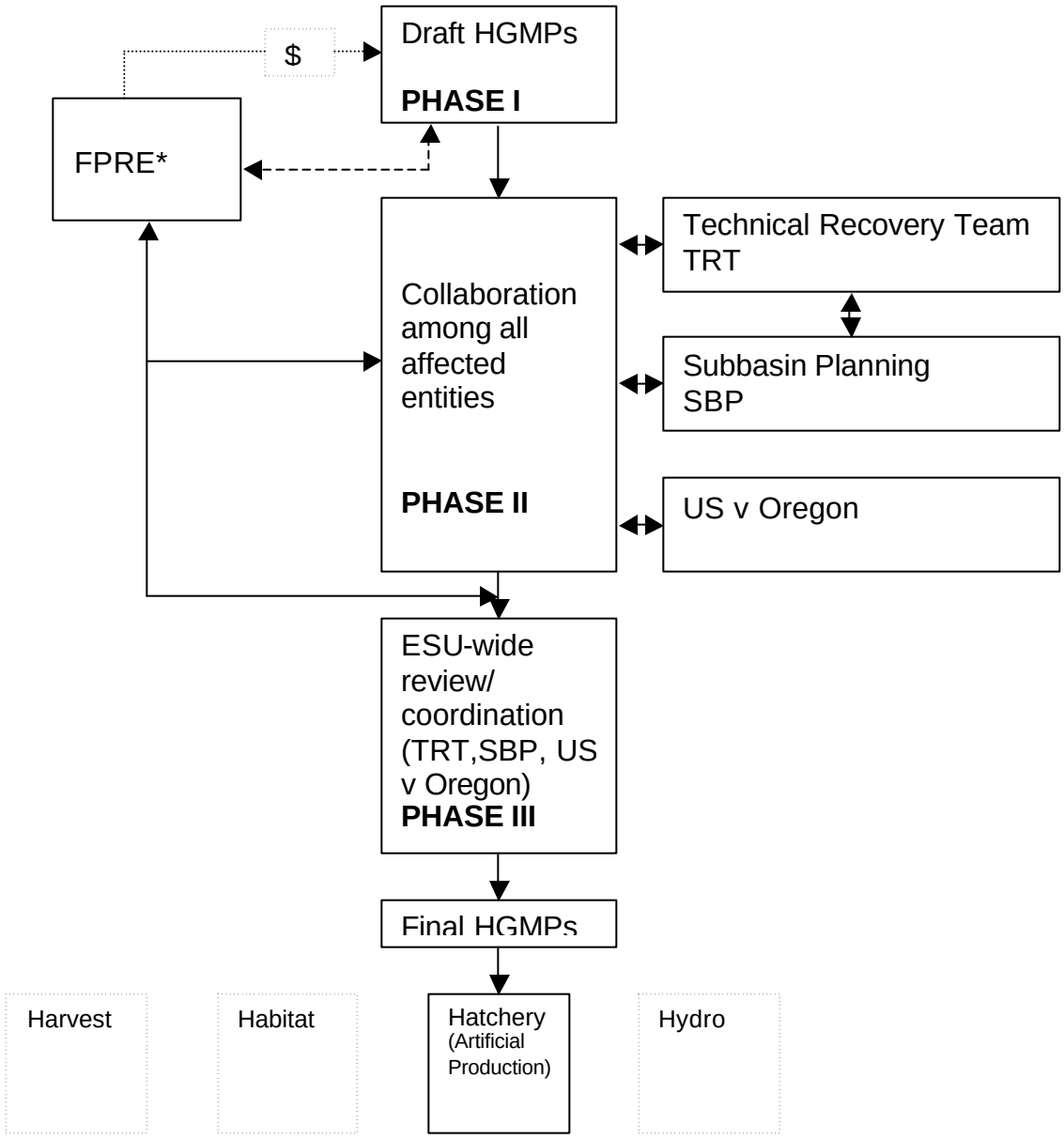
Artificial Production Review and Evaluation (APRE)
Description of work for each province

Work steps	Tasks	Common Tasks 1-5
1. Define goals/objectives summarized by province • Conservation goals • Goals for harvest • Program purpose • Program objectives	a. Develop questionnaire (template) b. Develop preliminary goals and objectives c. Conduct initial data/information collection (interviews)	
2. Review operational information • M & E programs • Program data • Harvest and return data • Costs and budget constraints	a. Consolidate/organize data and information b. Frame preliminary goals and objectives c. Conduct first workshop, confirm goals and objectives (province level/regional managers) d. Consolidate new information by province	
3. Review Program for consistency with goals/ objectives Is Program consistent with: • conservation goals? • harvest goals? • laws and agreements? aligned partially aligned not aligned not enough information → **review areas** capital costs science/genetics FC practices harvest/management economics legal	a. Review of programs based on completed questionnaires and provincial goals and objectives by review team. Level of detailed analysis based on which programs require it (not aligned).	
4. Formulate draft conclusions and recommendations by province	a. Draft report completed using finalized information from team and regional managers	
5. Review draft conclusions and recommendations with APAC and others; clarify issues, obtain feedback	a. Second workshop with committee/regional managers	
6. Finalize conclusions and recommendations by province and basin	a. Final "Phase II" report for subbasin planning	

February 6, 2002 Draft

Draft Process

Hatchery and Genetic Management Plan (HGMP) Preparation Process and Relation to other processes involving consideration of artificial production in Columbia River Basin



(Note-these steps may not always occur sequentially; they will sometimes occur simultaneously, depending on when HGMPs are ready for next phase.)

*Facility/Program Review and Evaluation (FPRE) under Northwest Power Planning Council

Goal

This process will result in an approved HGMP that:

1. Provides a single, comprehensive source of information regarding anadromous salmonid hatchery programs for use in Endangered Species Act (ESA) processes to assess impacts on listed anadromous fish (Sections 4(d), 7, and 10).
2. Creates a source for comprehensive hatchery program information for use in regional fish production and management planning by federal, state, and tribal managers.
3. Facilitates funding and scientific reviews of hatchery programs through coordination with the Facility/Program Review and Evaluation under the auspices of Northwest Power Planning Council (NPPC) and funding requests through the NPPC's Fish and Wildlife program or Federal Columbia River Power System Biological Opinion (FCRPS BO).

Process

PHASE I

1. Operators prepare Draft HGMPs by facility/species/program, capturing existing program, including any recent changes to reflect ESA requirements. Interactions may occur with affected entities during the initial preparation period.

PHASE II

2. Other entities in conjunction with operator, review and provide input via collaboration meetings through 2002 and early 2003. This process produces "Phase II" drafts HGMPs. When/if parties do not agree, options are prepared for Step 4.

3. Scientific Quality Control Group (SQGC) reviews subset of HGMPs and provides scientific/technical feedback.

4. Phase II drafts or phase II options are provided to subbasin planning process and technical recovery team for consideration and interaction with those planning processes. (E.g., Phase II options logically coupled with habitat options to create "scenarios" for TRT and subbasin planning consideration and feedback.)

5. Throughout the process information will be coordinated with US v Oregon CRFMP renegotiation efforts and interim harvest management actions to ensure plans are compatible and complementary.

6. "Phase II", draft HGMPs are completed and set aside (parked) until all HGMPs in Evolutionary Significant Unit (ESU) are finalized, allowing for ESU-wide consideration and feedback with TRT/Recovery planning.

PHASE III

7. ESU-wide consideration and feedback with TRT/Recovery Team, Subbasin Planning, and US v Oregon Processes. HGMP collaborators incorporate TRT advice as appropriate.

8. HGMP drafts are finalized and ready to submit to NMFS/USFWS for ESA analysis and approvals, serving a function formerly served by biological assessments. The NMFS/USFWS Approval Process should be completed by September 2003. Once approved they are implemented by the operators.

9. Actions that exceed or modify the current responsibility or objectives of facility/program operations may be submitted to rolling provincial review for funding and possible FCRPS offsite mitigation consideration.

Additional Comment

The HGMP process will interact with the Facility/Program Review and Evaluation (FPRE) process of Northwest Power Planning Council (NPPC). Although details have not been worked out yet, the processes are viewed as complementary. Phase I draft HGMPs may comport nicely with the information needs of the FPRE, and vice versa. The FPRE process would be informed and also may interact with the HGMP collaboration phase but the timeframe for completion of the two processes may not allow for the total integration of final HGMPs into the FPRE process.

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Common Tasks for each Province (APRE and HGMP's)

Task 1: set up simple database tools (tables, forms and reports) to receive and store information. These tools would include the questionnaires needed for both APRE and HGMP, and would be reviewed by NWPPC and NMFS staffs to assure that all required information is covered.

Task 2: assemble preliminary information for objectives 1 and 2 (and to a lesser extent objective 3) using existing reports and publicly accessible data. This step would also include the development of the initial assumptions about common areas (mainstem Columbia and Snake and mixed stock fisheries --this might build upon work in progress through the Regional Assessment Advisory Committee). This task would be performed primarily by contractors. (One month per province?).

Task 3: upgrade and fill in missing information through an interview process, contractors (with help from NWPPC and NMFS staff) would identify key individuals to contact for answers to specific questions, primarily pertaining to Objective 3. (One month per province?).

Task 4: prepare preliminary APRE/HGMP (by species/stock/program) summary reports (from the data base).

Task 5. convene a two-day workshop for each province where key managers (harvest, habitat and hatchery) and hatchery operators would be asked to participate. The purpose of this workshop is to make sure that the information captured a) is understood, b) is as accurate as possible, c) missing or unreliable information is identified, and d) to make it clear that the shared HGMP and APRE information maintains its integrity (i.e. ownership of each subset of the data has to be assigned so that a single common data set will exist over time). [Can we assume that at least for anadromous programs the HGMP data base constitute the long term public repository for this information? APRE and future reviews of hatchery programs would have access to this DBS...].

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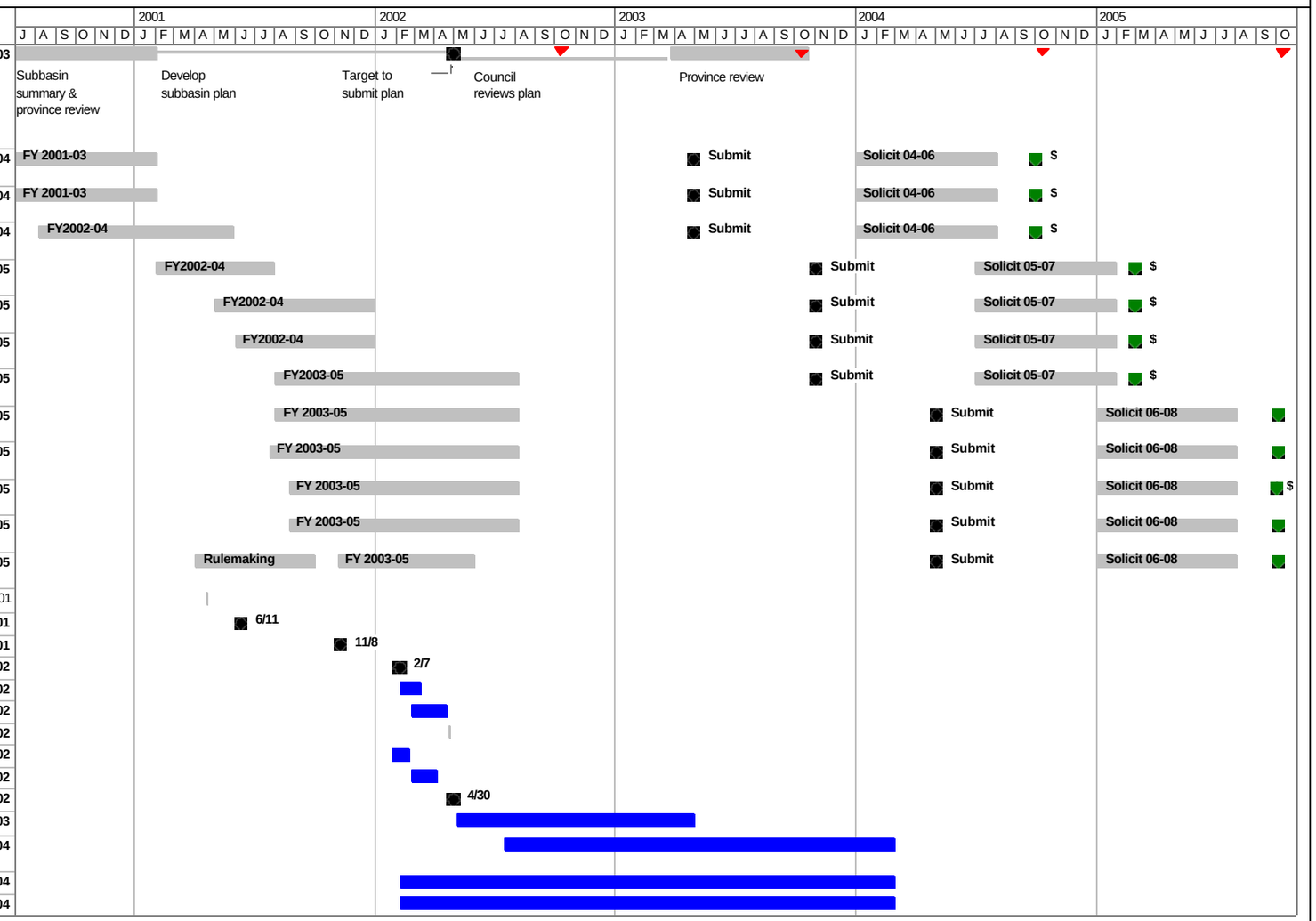
Section 6

Schedules

DRAFT Provincial Review Schedule
with target dates for submitting subbasin plans and the
Artificial Production Facility and Program Review and Evaluation

ID	Task Name	Duration	Start	Finish
1	**Legend:**	862 days?	Mon 7/3/00	Tue 10/21/03
7	**Columbia Gorge**	1110 days?	Mon 7/3/00	Fri 10/1/04
12	**Intermountain**	1110 days?	Mon 7/3/00	Fri 10/1/04
17	**Mountain Columbia**	1085 days?	Mon 8/7/00	Fri 10/1/04
22	**Columbia Plateau**	1064 days?	Thu 2/1/01	Tue 3/1/05
27	**Mountain Snake**	1001 days?	Tue 5/1/01	Tue 3/1/05
32	**Blue Mountain**	978 days?	Fri 6/1/01	Tue 3/1/05
37	**Middle Snake**	934 days?	Thu 8/2/01	Tue 3/1/05
42	**Upper Snake**	1088 days?	Thu 8/2/01	Mon 10/3/05
47	**Columbia Cascade**	1095 days?	Tue 7/24/01	Mon 10/3/05
52	**Lower Columbia**	1074 days?	Wed 8/22/01	Mon 10/3/05
57	**Estuary**	1074 days?	Wed 8/22/01	Mon 10/3/05
62	**Mainstem**	1176 days?	Mon 4/2/01	Mon 10/3/05
68	**ARTIFICIAL PRODUCTION REVIEW TASKS**	1 day?	Thu 4/19/01	Thu 4/19/01
69	**START APR IMPLEMENTATION PROCESS**	0 days	Mon 6/11/01	Mon 6/11/01
70	**FINAL APPROVAL ON FUNDING**	0 days	Thu 11/8/01	Thu 11/8/01
71	**FINALIZE DATA MAN. CONTRACTOR FOR I. SYS.**	0 days	Thu 2/7/02	Thu 2/7/02
72	**DESIGN INFORMATION SYSTEM**	23 days	Thu 2/7/02	Mon 3/11/02
73	**SELECT TEST FACILITIES / PROGRAMS TEST METHODS**	40 days	Mon 2/25/02	Fri 4/19/02
74	**FINAL TEMPLATE FOR IMPLEMENTATION**	5 days	Mon 4/22/02	Fri 4/26/02
75	**LIST OF POTENTIAL CONTRACTORS COMPLETE**	20 days?	Mon 1/28/02	Fri 2/22/02
76	**EVALUATION TEAM DEVELOPMENT**	30 days?	Mon 2/25/02	Fri 4/5/02
77	**START-UP MEETING CONTRACTORS REFINE SCHEDULE**	0 days	Tue 4/30/02	Tue 4/30/02
78	**EVALUATION OF FACILITIES/ PROGRAMS**	259 days?	Mon 5/6/02	Thu 5/1/03
79	**EVALUATION FINDINGS AVALIABLE SUBBASIN PLANS (SEQUENC**	426 days	Mon 7/15/02	Mon 3/1/04
80	**ON- GOING AGENCY / COMMUNICATION**	538 days?	Thu 2/7/02	Mon 3/1/04
81	**COMMITTEE MEETINGS AND COMMUNICATIONS**	538 days?	Thu 2/7/02	Mon 3/1/04



Shows schedule when first three provinces submit in MAY of 2003.
Council Review Period = 8 months
Solicitation = 7 months

Sun 3/24/02

Draft Schedule, Common Tasks 1 through 5 for HGMPs / APRE (Early Completion Dates)

			Province Groupings for Tasks 1-5 for Anadromous Programs				
			Columbia Gorge	Columbia Plateau	Mountain Snake, Blue Mountain, Middle Snake	Columbia Cascade	Lower Columbia Estuary
Common Tasks for Draft HGMP's / APRE Data and Information							
Task No.	**Description**		**Early Completion Dates**				
1	Data base / questionnaire	1-Jun-02					
2	Assemble information /develop objectives		1-Jun-02	15-Jun-02	1-Jul-02	15-Jul-02	1-Aug-02
3	Proof and fill in missing information		15-Jun-02	30-Jun-02	15-Jul-02	30-Jul-02	15-Aug-02
4	Prepare preliminary APRE / HGMP's		30-Jun-02	15-Jul-02	30-Jul-02	15-Aug-02	30-Aug-02
5	Provincial workshops		15-Jul-02	30-Jul-02	15-Aug-02	30-Aug-02	15-Sep-02
Tasks for Completion of Final HGMP's							
	Phase II						June 30,2003
	Phase III						Sept. 30, 2003
Tasks for Completion of Final APRE Conclusions and Recommendations							
	Review program for consistency with goals and objectives		Aug-02	Sep-02	Oct-02	Nov-02	Dec-02
	Develop draft conclusions / recommendations by province		Sep-02	Oct-02	Nov-02	Dec-02	Jan-03
	Review draft conclusions / recommendations by province (2nd Workshop)		Sep-02	Nov-02	Dec-02	Jan-03	Feb-03
	Finalize conclusions / recommendations by province and basin		Oct-02	Dec-02	Jan-03	Feb-03	Mar-03

Draft Completion Dates by Province for the Artificial Production Review and Evaluation (Findings Available for Subbasin Plans)

Action Item No.	Step or Action Item	Available Between	
1	EVALUATION FINDINGS AVAILABLE FOR SUBBASIN PLANS (SEQUENCED BY PROVINCE)	Sep-02	Apr-03
2	EVALUATION FINDINGS AVAILABLE FOR COLUMBIA GORGE, INTERMOUNTAIN, MOUNTAIN COLUMBIA	Sep-02	Nov-02
3	EVALUATION FINDINGS AVAILABLE FOR COLUMBIA PLATEAU, MOUNTAIN SNAKE, BLUE MOUNTAIN, MIDDLE SNAKE	Oct-02	Jan-03
4	EVALUATION FINDINGS AVAILABLE FOR UPPER SNAKE, COLUMBIA CASCADE, LOWER COLUMBIA, ESTUARY AND MAINSTEM	Dec-02	Apr-03

FRANK L. CASSIDY JR.
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NWPPC Artificial Production Advisory Committee

Section 7. Discussion of Data and Information Collection and Interviews /

Council, Contractor, NMFS, Agency and Tribe Responsibilities

Responsibilities for Common Tasks 1-5 for each Province (APRE and HGMP's)

Common Task No.	Task Description	Responsibility
1	Data base / questionnaire	Contractors / Council Staff
2	Assemble information /develop objectives	Contractors / Council Staff
3	Proof and fill in missing information	Contractors / Council Staff / Tribes / Agencies
4	Prepare preliminary APRE / HGMP's data and information	Contractors
5	Provincial workshops	Contractors / Council Staff / Tribes / Agencies

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Item	Responsibility
1. Define goals/objectives by province	
a. Develop questionnaire (template)	Contractors / Council Staff
b. Develop preliminary goals and objectives	Contractors / Council Staff
c. Conduct initial data/information collection (interviews)	Contractors / Council Staff / Agencies / Tribes
2. Review operational information	
a. Consolidate/organize data and information	Contractors / Council Staff
b. Frame preliminary goals and objectives	Contractors / Council Staff
c. Conduct first workshop, confirm goals and objectives (province level/regional managers)	Contractors / Council Staff / Agencies / Tribes
d. Consolidate new information by province	Contractors / Council Staff
3. Review Program for consistency with goals/objectives	
a. Review of programs based on completed questionnaires and provincial goals and objectives by review team.	Contractors
Level of detailed analysis based on which programs require it (not aligned).	
4. Formulate draft conclusions and recommendations by province	
a. Draft report completed using finalized information from team and regional managers	Contractors
5. Review draft conclusions and recommendations with APAC and others; clarify issues, obtain feedback	
a. Second workshop with committee/regional managers	Contractors / Council Staff / Agencies / Tribes
6. Finalize conclusions and recommendations by province and basin	
a. Final "Phase II" report for subbasin planning	Contractors / Council Staff