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## **NWPPC Artificial Production Advisory Committee**

**Date: Thursday September 6, 2001**

**Time: 9:00 AM to 4:30 PM**

**and**

**Date: Friday September 7, 2001**

**Time: 8:00 AM to 12:00 Noon**

### **Location: NWPPC**

**851 S.W. Sixth Avenue, Suite 1100**

**Portland, Oregon 97204-1348**

## **Meeting Packet**

**NWPPC Artificial Production Advisory Committee**  
**Date: Thursday September 6, 2001 and Friday September 7, 2001**  
**Meeting Packet Contents**

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### **NWPPC Artificial Production Advisory Committee**

# Section 1.

# General Introduction

# **Artificial Production Advisory Committee (APAC)**

## **Committee Purpose**

To advise the Council on how best to achieve a regional perspective and unified approach to artificial production reform in the Columbia River Basin.

## **Specific Committee Responsibilities**

- Advise the Council on the most effective ways to implement artificial production strategies described in the 2000 Columbia River Basin Fish and Wildlife Program and policies and recommendations outlined in the Artificial Production Review report.
  - Assist the Council in evaluating the appropriate purposes of artificial production programs and facilities. The committee will help define the approach, work plan and decision points for evaluating the purpose of all the artificial production programs and facilities over the next three years
  - Assist the Council in developing a plan that clearly defines regional artificial production goals and objectives that are consistent with the biological objectives found in the 2000 Fish and Wildlife Program.
  - Propose actions that will meet regional artificial production objectives and help to achieve intended reforms.
  - Assist the Council in determining appropriate artificial production performance standards.
  - Help to identify sources of artificial production information and data.
  - Assist in the review of specific artificial production programs.
  - On a quarterly basis, report to the Council on the status of artificial production reform in the basin.
-

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### **NWPPC Artificial Production Advisory Committee**

# Section 2.

# APAC Members

# Artificial Production Advisory Committee

Organization	Name	Address	Phone No	E-mail
<b>Northwest Power Planning Council</b>				
Northwest Power Planning Council	<b>Bruce Suzumoto</b>	851 SW 6 <sup>th</sup> Ave. Suite 1100 Portland, OR 97204	503-222-5161	<a href="mailto:bsuzumoto@nwppc.org">bsuzumoto@nwppc.org</a>
	<b>Mark Fritsch</b>			<a href="mailto:mfritsch@nwppc.org">mfritsch@nwppc.org</a>
	<b>Dan Warren</b>			<a href="mailto:dwarren@nwppc.org">dwarren@nwppc.org</a>
	<b>Kendra Phillips</b>			<a href="mailto:kphillips@nwppc.org">kphillips@nwppc.org</a>
<b>Columbia Basin Fish and Wildlife Authority</b>				
Columbia Basin Fish and Wildlife Authority	<b>Brian Allee</b>	2501 SW First Ave., Suite 200 Portland, OR 97201-4752	503-229-0191	<a href="mailto:brian@cbfwf.org">brian@cbfwf.org</a>
<b>Tribal</b>				
Confederated Tribes of the Colville Reservation	<b>Joe Peone / Jerry Marco</b>	Highway 155 N. / P.O. Box 150 Nespelem, WA 99155	509-634-2113	<a href="mailto:joepeone@colvilletribes.com">joepeone@colvilletribes.com</a> <a href="mailto:cctfish@mail.wsu.edu">cctfish@mail.wsu.edu</a>
Spokane Tribes of Indians	<b>Keith Underwood</b>	Alex Sherwood Bldg., Main St. / P.O. Box 100 Wellpinit, WA 99040	509-258-7020	<a href="mailto:keithund@spokanetribe.com">keithund@spokanetribe.com</a>
Kalispel Tribe of Indians	<b>Joe Maroney</b>	1981 N Leclerc Rd. / P.O. Box 39 Usk, WA 99180	509-445-1147	<a href="mailto:jmaroney@knrd.org">jmaroney@knrd.org</a>
Kootenai Tribe	<b>Sue Ireland</b>	County Rd. 38A / P.O. Box 1269 Bonners Ferry, ID 83805	208-267-3620	<a href="mailto:ireland@kootenai.org">ireland@kootenai.org</a>
Coeur d'Alene Tribe	<b>Ronald Peters Ed Larson</b>	850 A Street / P.O. Box 408 Plummer, ID 83851	208-686-6307	<a href="mailto:rlpeters@cdatribe.org">rlpeters@cdatribe.org</a>
Nez Perce Tribe		Main St. / P.O. Box 365 Lapwai, ID 83540	208-843-7320	<a href="mailto:edl@nezperce.org">edl@nezperce.org</a>
Confederated Tribes of the Umatilla Indian Reservation	<b>Brian Zimmerman</b>	Old Mission Highway / P.O. Box 638 Pendleton, OR 97801	541-276-4106	<a href="mailto:brianzimmerman@ctuir.com">brianzimmerman@ctuir.com</a>
Confederated Tribes of the Warm Springs Reservation of Oregon Yakama Nation	<b>Bob Spateholts Patty O'Toole</b>	4223 Holiday St. / P.O. Box C Warm Springs, OR 97761	541-553-2045	<a href="mailto:bspateholts@mail.wstribes.org">bspateholts@mail.wstribes.org</a>
Shoshone-Bannock Tribes of the Fort Hall Reservation	<b>Tom Scribner</b>	4067 NE 23 <sup>rd</sup> Ave. Portland, OR 97212	503-331-9850	<a href="mailto:scribner@easystreet.com">scribner@easystreet.com</a>
Shoshone-Paiute Tribes of the Duck Valley Reservation	<b>Chad Colter</b>	29 Shoshone Dr. / P.O. Box 306 Fort Hall, Id 83203	208-478-3761	<a href="mailto:rezfish@poky.srv.net">rezfish@poky.srv.net</a>
Shoshone-Paiute Tribes of the Duck Valley Reservation	<b>Guy Dodson, Sr.</b>	Highway 51 Stateline/ P.O. Box 219 Owyhee, NV 89832-0219	208-759-3246	<a href="mailto:dvirfg98@aol.com">dvirfg98@aol.com</a>
Columbia River Inter-Tribal Fish Commission	<b>Doug Dompier</b>	729 NE Oregon St., Suite 200 Portland, OR 97232	503-731-1292	<a href="mailto:domd@critfc.org">domd@critfc.org</a>
Upper Columbia United Tribes	<b>Bill Wiles</b>	1500 W 4 <sup>th</sup> Avenue, Suite 406 Spokane, WA 99204	509-838-1057	<a href="mailto:bwiles@aimcomm.com">bwiles@aimcomm.com</a>

<b>Federal</b>				
Bonneville Power Administration	<b>Tom Backman</b>	KEWR	503-230-4514	<a href="mailto:twbackman@bpa.gov">twbackman@bpa.gov</a>
National Marine Fisheries Service	<b>Rob Jones</b>	525 NE Oregon St., Suite 500 Portland, OR 97232	503-230-5429	<a href="mailto:rob.jones@noaa.gov">rob.jones@noaa.gov</a>
U.S. fish and Wildlife Service	<b>Lee Hillwig</b>	Columbia Basin Ecoregion 911 NE 11th Ave. Portland, OR 97232	503-872-2766	<a href="mailto:lee_hillwig@fws.gov">lee_hillwig@fws.gov</a>
<b>State</b>				
Idaho Department of Fish and Game	<b>Tom Rogers</b>	600 S. Walnut St. / P.O. Box 25 Boise, ID 83707	208-334-3791	<a href="mailto:trogers@idfg.state.id.us">trogers@idfg.state.id.us</a>
Oregon Department of Fish and Wildlife	<b>Trent Stickell</b>	2501 SW First Ave. / P.O. Box 59 Portland, OR 97207	503-872-5252	<a href="mailto:Trent.W.Stickell@state.or.us">Trent.W.Stickell@state.or.us</a>
Washington Department of Fish and Wildlife	<b>Bob Foster</b>	600 Capitol Way N Olympia, WA 98501-1091	360-902-2658	<a href="mailto:fosterwf@dfw.wa.gov">fosterwf@dfw.wa.gov</a>
Montana Department of Fish, Wildlife and Parks	<b>Gary Bertellotti</b>	1420 E 6 <sup>th</sup> Ave. / P.O. Box 200701 Helena, MT 59620-0701	406-444-2447	<a href="mailto:gbertellotti@state.mt.us">gbertellotti@state.mt.us</a>
<b>Utilities</b>				
Chelan PUD	<b>Steve Hayes</b>	327 N. Wenatchee Ave./ P.O. Box 1231 Wenatchee, WA 98807	509-663-8121	
Grant County PUD	<b>Stuart Hammond</b>	P.O. Box 872 Ephrata, WA 98823	509-754-5064	<a href="mailto:shammon@gcpud.org">shammon@gcpud.org</a>
<b>Non-Governmental Organization</b>				
Native Fish Society	<b>Bill Bakke</b>	P.O. Box 19570 Portland, OR 97280	503-977-0287	<a href="mailto:bmbakke@teleport.com">bmbakke@teleport.com</a>
<b>Independent Science</b>				
Oregon State University	<b>Ian Fleming</b>	Hatfield Science Center 2030 S.E. Marine Science Drive Newport, OR 97365	541-867-0255	<a href="mailto:ian.fleming@hmsc.orst.edu">ian.fleming@hmsc.orst.edu</a>
<b>Consulting for NWPPC</b>				
	<b>Steve Smith</b>	8462 S. Heinz Rd Canby, OR 97013	503-263-1253	<a href="mailto:huntersmith@canby.com">huntersmith@canby.com</a>

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### **NWPPC Artificial Production Advisory Committee**

# Section 3.

## Administrative Issues

### August 15, 2001 Meeting Minutes

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August 31, 2001

**Northwest Power Planning Council, Artificial Production Advisory Committee**

**Date: Wednesday, August 15, 2001**

**Time: 10:00 AM to 4:00 PM**

**Location: Columbia River Inter-Tribal Fish Commission, Portland, OR.**

**Meeting Minutes**

**Agenda Items-**

- 1. General Introduction**
- 2. Members Introduction**
- 3. Administrative Issues and Questions**
- 4. Review Agenda**
- 5. Issues to Follow-up on from Last Meeting**
- 6. Regional Subbasin Planning Effort**
- 7. APR/Implementation; Workplan Goals, Products and Schedule**
- 8. Public Comment**

**Bruce Suzumoto:** opened the meeting at 10:07 am, followed by self-introductions of APAC members. An attendance list was developed, meeting packet was distributed and the agenda was reviewed.

**Bill Bakke:** wanted meeting recorded and minutes more thorough. Also requested hard copies of presentations – these are in the meeting packet.

**Brian Allee:** gave overview of the big picture. APAC is not performing in a vacuum. APAC is integrated in other NWPPC processes – provincial reviews then sub-basin plan then second provincial reviews. Brian presented APAC in context of sub-basin planning using chart.

**Tom Backman:** concerned that a sub-basin approach may not fully account for the legal and fishery mandates from which certain hatcheries were initiated. Brian responded that the sub-basin context is important, particularly from a scientific viewpoint, but must account for mandated purposes. This issue is also a key reason for developing basin production goals and strategies that Bruce Suzumoto wants to further discuss later in the agenda.

**Brian Allee:** further explained how the NMFS recovery process should integrate into the NWPPC's processes. The FERC processes also need to integrate with sub-basin planning. FERC mandated hatchery programs need to be accounted for in the plans.

**Doug Dompier:** wants to see the NWPPC's processes also feeding back into the NMFS and FERC processes. The arrows on the chart need to be double headed. Changes will be made.\*\*

**Bob Foster:** requested the arrow from the Hatchery Reform Work Plan also feed into sub-basin plans as well as the second provincial review. The change will be made.\*\*

**Doug Dompier:** requested the chart show any USFWS ESA resident fish processes. This will be put before USFWS to expand the chart.\*\*

**Brian Allee:** His understanding is that USFWS is using a modified HGMP for its resident fish ESA work.

**John Ogan,** NWPPC counsel: referred APAC back to the APR report for many members' concerns as these are addressed in the report. John reminded APAC that this work is being undertaken because it was requested by Congress. John reviewed Congress' concerns that led to the APAC work and Congress' desire to get information from both the science and management communities. NWPPC's role is mainly as a facilitator. Success will depend on the needs, desires and effort of the APAC members. These efforts should lead to better recovery strategies and justification for upgrading aging hatchery facilities.

**Doug Dompier:** raised concerns that states and Federal agencies have elevated mass marking programs for selective fisheries since Congress requested the hatchery policy review. John Ogan suggested better resolution of mass marking issues if discussed in the specific and not generically. John requested Doug formally send him any request (and it be shared with APAC) for looking into specific mass marking issues.

**John Ogan:** explained the NWPPC refers to the APR report in each of its funding actions for artificial production to be sure new actions are consistent with the APR policies. John believes the APR policies apply to any federal funding for hatcheries. NWPPC's interactions with Congress on hatchery funding is based on APR policies. The same applies to the old reimbursable programs, like Lower Snake River Compensation Program.

**Trent Stickell:** wanted clarification on whether APAC is for only federally funded hatcheries, or all hatcheries. Bruce Suzumoto. stated the review will be for all facilities, not just federally funded. This answer satisfied Trent's concern.

[\*\*action items]

**John Ogan:** gave a background on the ongoing U.S. v Oregon. NWPPC is not discouraging the parties to US v Oregon to pursue this forum. The parties are currently negotiating agreements, balancing US v Oregon and ESA. If any APAC members have concerns about APAC activities and US v Oregon, they should be documented specifically and submitted to John for review and resolution, rather than encumbering APAC activities as unresolved issues.

**John Ogan:** requested the double-headed arrows between processes include US v Oregon; that US v Oregon members take APAC information back into US v Oregon. Both efforts should be seen as mutually beneficial.

**Trent Stickell:** mentioned there are other forums besides US v Oregon that must be interactive with APAC, including The Oregon Plan.

In response to a question by Bill Bakke, John Ogan clarified that any production agreements coming out of US v Oregon that require BPA funding will come through NWPPC and will be reviewed relative to APR policies. NWPPC members are also likely to influence such funding needs even if they don't come directly through the Council to be sure actions are consistent with the Council's F&W Program. Council will likely review any future CRFMP for consistency with sub-basin plans and APR policies.

**John Ogan:** said he will be available as a resource to APAC members to help answer questions and provide input.

**Rob Jones:** discussed HGMPs and clarified ESA decisions on hatcheries in the basin. New tools are now available to comply with ESA, besides normal section 10 permits and section 7 consultations. Rob handed out a May 23, 2001 letter from NMFS to BPA to clarify ESA issues and HGMPs specifically (attached).

Key points that Rob Jones emphasized: 1) the ESA processes are driven by the hatchery operators' needs to get take coverage per the ESA, 2) there are options for ESA and the new option is the 4(d) Rule that involves the submission of an HGMP, 3) Limit 5 of the 4(d) Rule applies to artificial production, 4) there is also a separate Tribal Rule, 5) the 4(d) Rule does not apply to endangered species, only threatened species, and does not apply to Snake basin salmon, 6) HGMP decisions under the 4(d) Rule are made in the region, 7) the FCRPS Biological Opinion offers funding for HGMPs, 8) NMFS has received a number of HGMPs, but they are still early in the NMFS review process.

**Doug Dompier:** asked if NMFS were developing HGMPs for the Mitchell Act facilities. Rob Jones responded that such HGMPs would be developed by hatchery operators and processed through NMFS.

**Tom Backman:** encouraged APAC members to review the LSRCF proposal for developing HGMPs that was submitted by USFWS. This can be viewed on the CBFWA web site as a Mountain Snake project.

**Lee Hillwig:** confirmed that a resident fish version of the HGMP exists to address USFWS ESA processes.

**Doug Dompier:** asked who is funding Mitchell Act hatchery HGMPs. Rob Jones responded that states and NMFS are preparing these HGMPs via Mitchell Act funding.

**Bruce Suzumoto:** stated that HGMPs appeared to be better formats for collecting needed hatchery information compared to Section 10 permits and section 7 consultations. Bruce also concerned that NMFS processes are not explicitly recognizing APAC and NWPPC processes. Rob Jones stated that NMFS is committed to full coordination.

**John Ogan:** mentioned that from discussions with BPA and NMFS, he expects the Hydro BiOp Implementation Plan will explicitly integrate activities of APAC and APR policies.

**Lynn Palensky:** gave an overview of sub-basin planning. Don't know yet how this will finally all fit together – coordination between processes. Current F&W Program is a hierarchical and nested approach. More emphasis is being put on project review rather than annual project proposal. Sub-basin plan development will go through 2005. Sub-basin summaries are looking at current situations whereas sub-basin plans will look to the future.

**Steve Smith:** stated that sub-basin planning charts need to explicitly demonstrate the input of artificial propagation activities such as the HGMPs and upcoming Hatchery Purpose Review. This is critical to ensuring that sub-basin planning include the mandates for artificial production at the basin level and well as the sub-basin level. This is important to address Tom Backman's earlier concerns, particularly at the goals and objectives level of planning.

**Lynn Palensky:** emphasized the need to set up groups or processes to integrate APAC work with sub-basin planning groups.

**John Ogan:** mentioned that high-level discussions are ongoing between NWPPC, BPA, and NMFS on integration of ESA recovery planning and sub-basin planning. Rob Jones mentioned that NMFS is very concerned that planning not stop at a level of de-listing goals, per ESA, but go higher to meet broader fishery objectives.

**Bill Bakke:** expressed concerns about the standards, goals and objectives for addressing natural populations in the provincial and sub-basin plans. Lynn Palensky replied that this would come from APAC and TRT via ESA. NMFS is limited to ESA-listed species and only to the de-listing level. Bob Foster encouraged Bill to view the sub-basin summaries for addressing natural population objectives.

**Break for Lunch**

**Bruce Suzumoto:** introduced the overall work plan and budget for APAC activities. NWPPC approved the APAC work in concept. Upcoming tasks include finalizing a template for the Hatchery Purpose Review. The template will undergo scientific review. The actual work is scheduled to begin in January 2002. The budget includes funds for fish managers to participate. Bruce will assemble a team of individuals to perform the review. The review steps were presented by Bruce on a chart that was included in the meeting packet. The process leads to a list of projects to improve hatchery operations and information to input to sub-basin planning. All work needs to be completed by the end of 2002.

The budget for the review is \$869,000 (+/- 25%) that has been allocated by province.

**Doug Dompier:** asked who the independent contractors would be. Bruce Suzumoto replied that NWPPC would be seeking recommendations from APAC.

**Lee Hillwig:** expressed concerns about the work from the APAC review being loaded on top of ESA BiOp workload.

**Keith Underwood:** expressed concerns that the APAC review will finish up after some of the sub-basin plans are completed. There is a need to keep working to ensure integration of the efforts. One or the other schedules need to change.\*\*

**Lee Hillwig:** wanted to know to what funding process the review would be submitted. The funding has not been given final approval. Final budget approval needs to occur well before December to get fish managers on board on schedule.

**Doug Dompier:** wanted to be sure that hatchery benefits are considered along with risks.

**Bill Bakke:** wanted to be sure needed research and M&E are considered in the review.

The review will be conducted on about 120-140 programs.

**Bob Foster:** wanted to be sure the template covers adult utilization in addition to adult returns to cover the benefits of hatcheries – the concern expressed earlier by Doug Dompier.

**Trent Stickell:** indicated that the 120 may be 360 if this review is by sub-basin, by species. APAC needs to consider this.

[\*\*action items]

**Brian Allee:** raised an issue as to what extent this review will integrate the performance standards and indicators.

**Doug Dompier:** requested the NWPPC staff do a trial application of the performance standards and indicators to 2 hatcheries to see if they work. Trent Stickell wholeheartedly supported Doug's idea.

**Bruce Suzumoto:** mentioned that the Purpose Review Template will be applied on a trial basis prior to full application.

**Steve Smith:** reminded people that the purpose review is not a surrogate for good completed HGMPs. The HGMPs are the source of implementation of performance standards and indicators.

**Keith Underwood:** wanted to know if cost-benefit analyses would be undertaken for hatchery improvements. Doug Dompier warned about using cost-benefit analysis rather than cost-effectiveness analysis.

**Steve Smith:** indicated that the purpose review will provide valuable information on the extent of hatchery reform that has occurred.

**Bob Foster:** was concerned about how NWPPC would deal with disagreements that should arise from the hatchery review. How will different sets of information be forwarded to NWPPC - via majority and minority reports? Brian Allee mentioned that such disagreements would arise in sub-basin planning too. Plans will not be adopted until there is agreement. Funds will not be allocated to sub-basins without agreement.

**Ian Fleming:** suggested that the reports include a list of each programs benefits and problems. Trent Stickell stated that HGMPs are to include risk/benefit assessments.

**Bruce Suzumoto:** presented a list of more detailed questions that might be included in the template. In response to a question from Lee Hillwig, Bruce stated that an APAC work group would help develop the template.

**Doug Dompier:** stated that the review should include why the hatcheries were started, how they have been changed, and do they need further change. Bruce Suzumoto introduced the need for basin-wide planning in addition to sub-basin planning. Bruce questioned whether the entire mix and timing of anadromous fish is what is best for the region. Bruce explored what vision we should share for the basin overall. There are different ways of viewing this vision – based on historical runs, based on what the habitat and hatcheries can provide, based on what the various user-groups desire. What is the strategic vision for the basin overall??

**Doug Dompier and Bruce Suzumoto:** discussed the level at which such a vision should be addressed – basin-wide, by province, upper river, lower river? Bruce wants APAC to address an overall strategic vision for the basin, apart from good sub-basin planning.

**Doug Dompier:** warned about altering the basin's fish to meet man's expectations and desire rather than putting the fish back into their natural habitat. He warned that the region not repeat the mistakes in fish management and hatchery usage of the past that we are currently correcting.

**Lee Hillwig:** suggested we first add up the runs likely from sub-basin planning and then adjust the overall result if necessary to meet other regional goals. Trent Stickell suggested we build from the ground up (sub-basins) rather than from the top down.

A discussion ensued about an iterative planning process between sub-basin plans from the ground up and a basin-wide plan, top-down. Steve Smith stated that some basin-wide guidance could be provided to sub-basin planners to direct any flexibility that might exist within the sub-basin plans.

**Ian Fleming:** was concerned about such basin-wide planning affecting the estuary and other common habitats.

For the next meeting, Bruce Suzumoto wanted to form some work groups. One group would help develop the template for the hatchery review. Two other groups would address goals and objectives for anadromous fish and resident fish. This could be done in a 2-day meeting in about 3 weeks. The work groups would work on their assignments and then report back to the overall APAC.

The meeting will likely be September 6-7, starting at 9am on the 6<sup>th</sup>; go ½ day on the 7<sup>th</sup>. The CBFWA members meeting is on the 5<sup>th</sup>. Meeting likely to be at the airport Embassy Suites.

**Kaitlin Lovell, Trout Unlimited:** expressed concern about the HGMP process being a self-evaluation of hatcheries and not being objective. Steve Smith mentioned that NMFS' process has HGMPs being reviewed by the public before NMFS makes a decision. Also the Council will be hosting performance reviews of hatcheries relative to their performance standards and indicators. This process will also be in the public.

Let Dan Warren know if you want to be on another committee for the next meeting. Meeting adjourned at 3:45 pm.

**These minutes are an accurate and complete summary of the matters discussed and conclusions reached at the Artificial Production Advisory Committee meeting held on August 15, 2001.**

---

**Bruce Suzumoto, APAC Chair**

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## **NORTHWEST POWER PLANNING COUNCIL**

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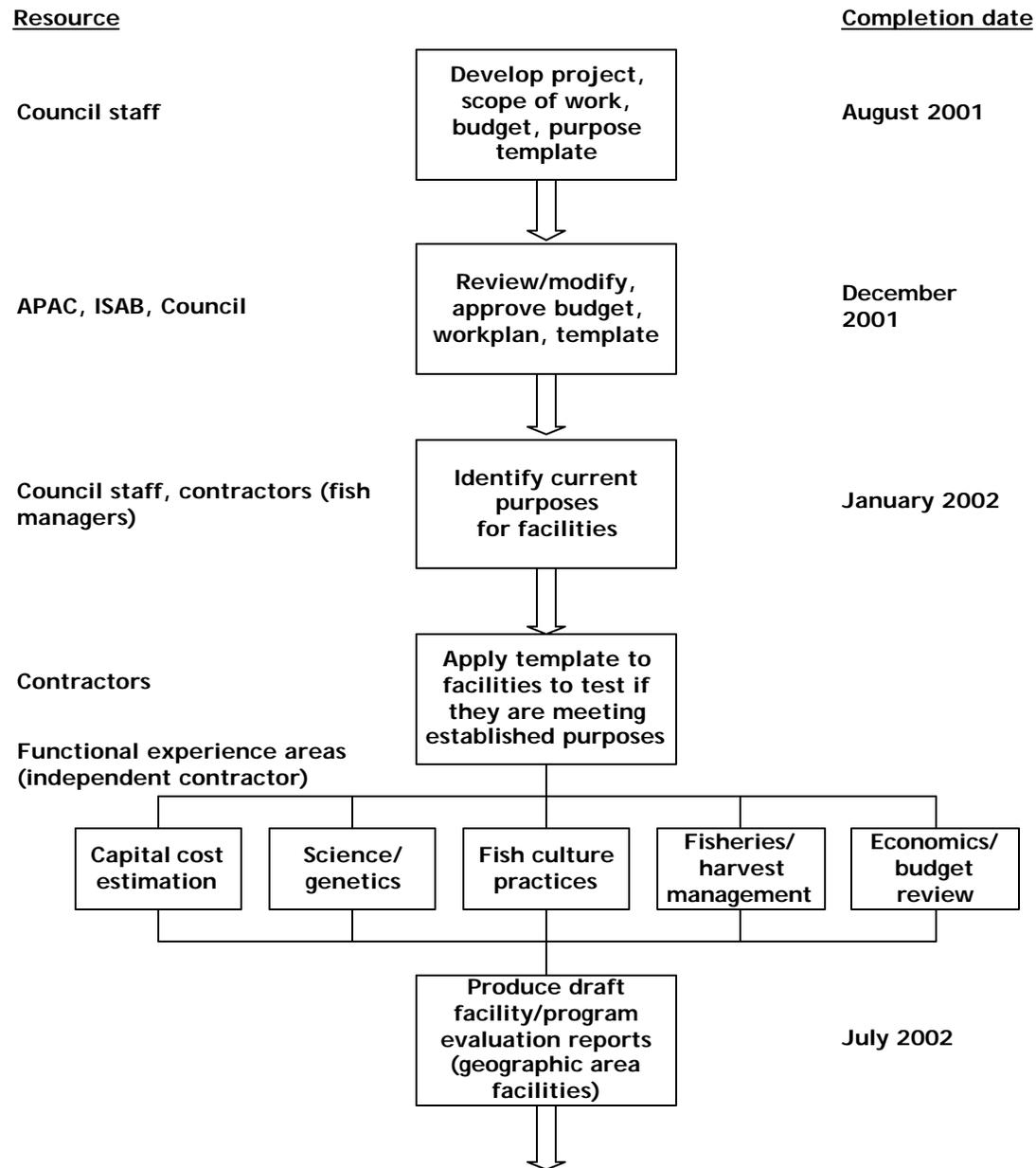
### **NWPPC Artificial Production Advisory Committee**

# Section 4.

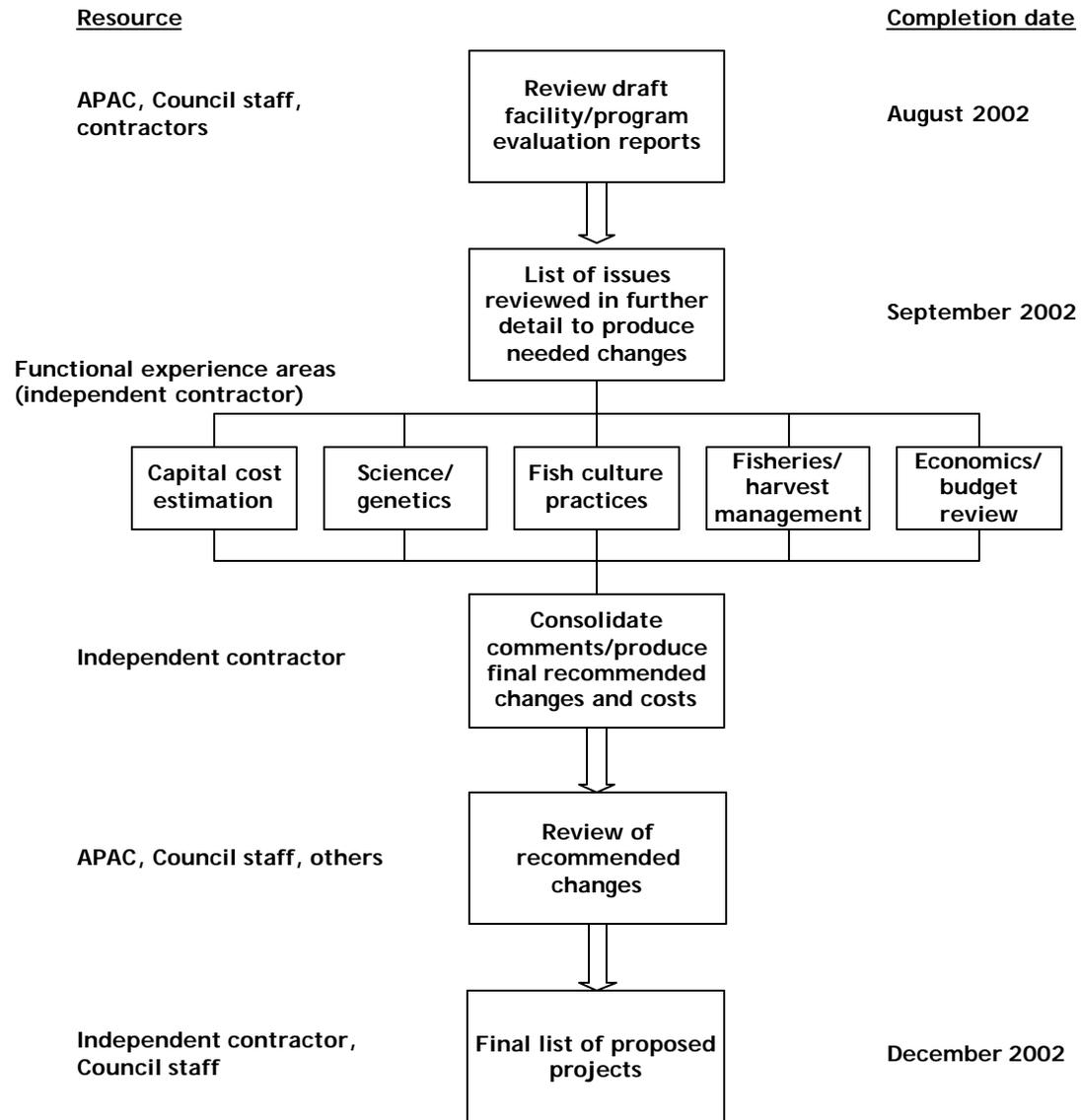
## Follow-up From August 15, 01 Meeting

### Review of Key Deliverables for APAC

## Artificial production facility/ Program purpose and hatchery workplan



## Artificial production facility/ Program purpose and hatchery workplan



# Evaluation Questions

- Evaluation should address the following questions:
  - Is the program meeting its stated purpose and program goals?
  - Is the program in alignment with current legal/policy requirements and existing plans?
  - Is the program adversely impacting other fish?
  - Does the current program purpose still make sense today?

# Evaluation Deliverables

- Comprehensive review of AP in basin
- Progress report on AP reform
- Alignment of purpose and operations
- Legal, policy and scientific consistency
- Examine costs, production and adults
- Recommend interim changes
- Preliminary costs to implement changes
- Consolidate AP data

# Uses of Evaluations

- Budget tool for decision makers
- Cost estimates for ESA compliance
- Information for subbasin planning
- Basin wide information
- Status quo, change or close programs
- Adequacy of programs for funding decisions

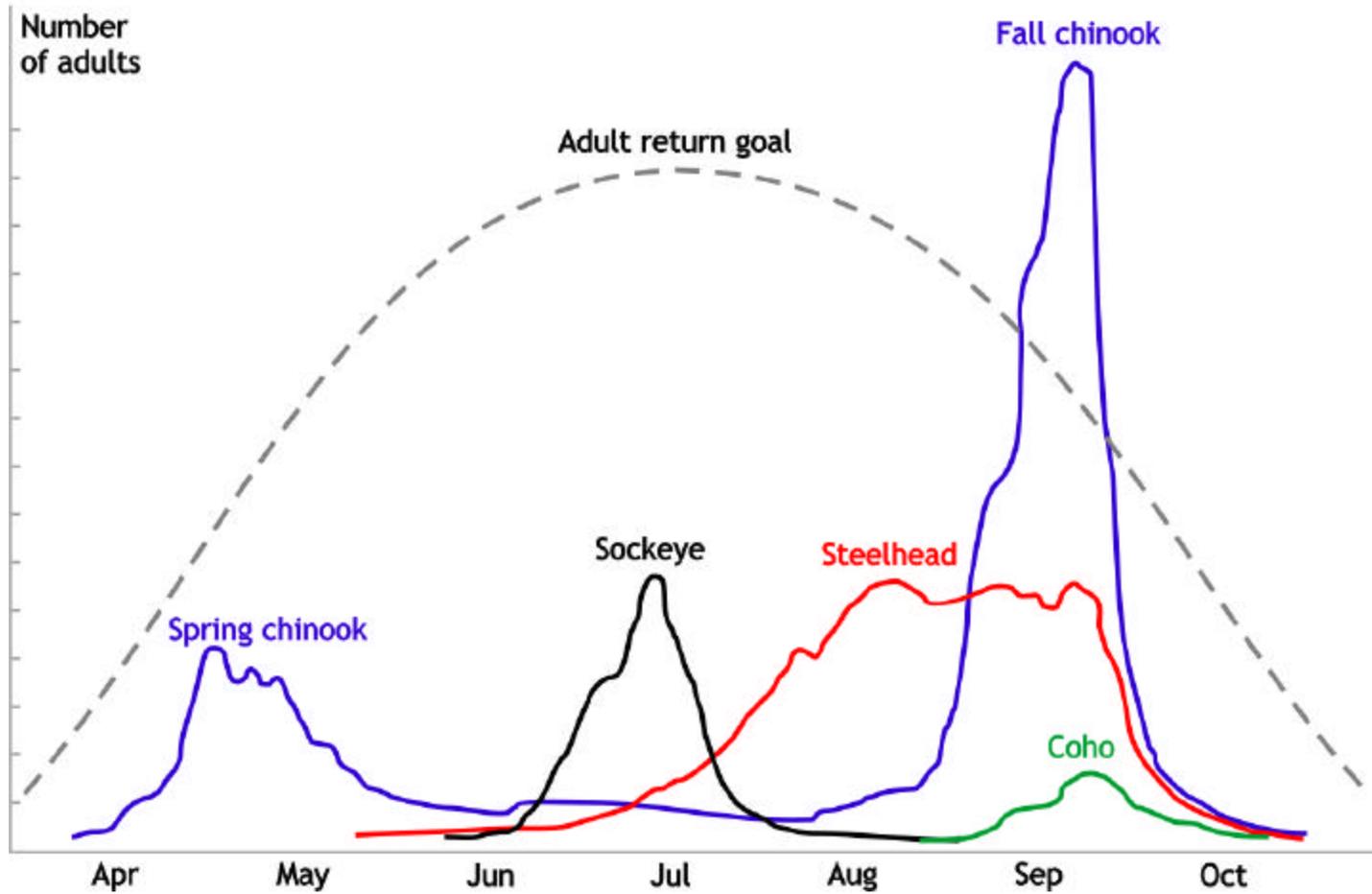
# Relationship to Other Processes

- Subbasin/Recovery Planning- provide information
- ESA Compliance- status of program
- FCRPS BiOp- help prioritize actions
- HGMPs- provide alert for needed changes
- Provincial Reviews- help prioritize actions

# Evaluation Questions

- Evaluation should address the following questions:
  - Is the program meeting its stated purpose and program goals?
  - Is the program in alignment with current legal/policy requirements and existing plans?
  - Is the program adversely impacting other fish?
  - Does the current program purpose still make sense today?

## Adult Returns at Bonneville Dam



# Goals and Objectives

## Workgroups

- Workgroups should address three questions:
  - Where are we today with artificial production programs?
  - Where do we wish to arrive?
  - How do we get there from here?

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### **NWPPC Artificial Production Advisory Committee**

# Section 5.

# Agenda

# Meeting Deliverables

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**NWPPC Artificial Production Advisory Committee  
Draft Agenda for Work Session  
Date: Thursday September 6, 2001 and Friday September 7, 2001  
Time: Thursday September 6, 9:00 AM to 4:30 PM  
Friday September 7, 8:00 AM to 12:00 Noon  
Location: Northwest Power Planning Council  
851 S.W. Sixth Avenue, Suite 1100  
Portland, Oregon 97204-1348**

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

Item No.	Subject	Time Period		Presenter(s)
		From	To	
	<b>Thursday September 6</b>			
1	General Introduction / Committee Purpose	9:00 AM		Bruce Suzumoto
2	Members Introduction (Self re-introduction and other members )			
3	Administrative Issues and Questions Minutes from last meeting		9:15 AM	Bruce Suzumoto
4	Follow-up from August 15 <sup>th</sup> 2001 Meeting Deliverables from APAC (Evaluation, Identified Projects and Changes / AP Goals	9:15 AM	9:30 AM	
5	Review Agenda Goals and Objectives, Products of this meeting	9:30 AM	10:00 AM	Bruce Suzumoto
	<i>BREAK</i>	10:00 AM	10:15 AM	
6	Overview of Facility / Program Evaluation	10:15 AM	12:00 Noon	Bruce Suzumoto
7	Review Workgroups Anadromous Regional Goals, Objectives and Strategies/ Appendix A Resident Regional Goals, Objectives and Strategies / Appendix B Facility / Program Evaluation / Appendix C			Bruce Suzumoto Brian Allee, Mark Fritch Dan Warren, Steve Smith
	<i>LUNCH</i>	12:00 Noon	1:00 PM	
8	Workgroup Sessions	1:00 PM	3:00 PM	
	<i>BREAK</i>	3:00 PM	3:15 PM	
8	Workgroup Sessions	3:15 PM	4:30 PM	

Item No.	Subject	Time Period		Presenter(s)
		From	To	
	<b>Friday September 7</b>			
	Quick Intro / Administrative Issues	8:00 AM	8:15 AM	Bruce Suzumoto
	Workgroup Sessions / Final Product Input	8:15 AM	10:00 AM	
	<i><b>BREAK</b></i>	10:00 AM	10:15 AM	
	<b>Full Committee Comments on Workgroup Products</b> Anadromous Regional Goals, Objectives and Strategies / Appendix A Resident Regional Goals, Objectives and Strategies / Appendix B Facility / Program Evaluation / Appendix C	10:15 AM	11:15 AM	Bruce Suzumoto Brian Allee, Mark Fritch Dan Warren, Steve Smith
	Public Comment	11:15 AM	11:30 AM	
	Next Meeting Time and Place / Final Wrap up / Other	11:30 AM	12:00 Noon	Bruce Suzumoto

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### **NWPPC Artificial Production Advisory Committee**

# Section 6.

## Overview of Facility and Program Evaluation

## Is the program meeting its stated purpose and program goals?

- Original legal mandate
- Description of program purpose
- Changes to the original purpose/mitigation requirements
- Contribution to fisheries
- Escapement goals
- Success in meeting historical program production/return goals:
  - Broodstock collection
  - Broodstock survival
  - Eggtake number
  - Green egg to eyed egg survival
  - Eyed egg to fry survival
  - Fry to smolt survival
  - Smolt quality/release characteristics
  - Release number
  - Adult returns (SAR)

## **Is the program in alignment with current legal and policy requirements?**

- Council's 2000 Fish and Wildlife Program guidelines
- Artificial Production Review (APR) policies and recommendations
- NMFS's Biological Opinions
- US vs. OR agreements
- Section 4d rules and Section 10 permits
- Current subbasin plans

## **Is the program adversely impacting other fish?**

- Ecological interaction considerations
- Broodstock collection and spawning protocols
- Facility rearing methods
- Contribution to mixed-stock fisheries and harvest of natural-origin fish
- Monitoring and evaluation of impacts
- Risk management procedures
- Experimental and adaptive management framework

**Does the current program purpose still make sense today?**

- Does the program make sense in the context of the current ecological, social and economic environment?

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### **NWPPC Artificial Production Advisory Committee**

# Section 7

## Workgroups

### Anadromous and Resident Fish Facility and Program Evaluation

**APAC**  
**Artificial Production Strategic Plan Workgroup**

**Workgroup Goal**

**By June 2002 the goals and objectives workgroups will have produced Council approved anadromous and resident fish strategic plans; outlining goals, objectives and general strategies for artificial production in the Columbia Basin.**

**Potential Anadromous Workgroup Members**

- Doug Dompier
- Ed Larsen
- Bill Bakke
- Rob Jones
- Tom Backman
- Chad Colter
- Joe Peone
- Tom Scribner

**Potential Resident Workgroup Members**

- Gary Bertellotti
- Sue Ireland
- Ron Peters
- Guy Dodson
- Joe Maroney
- Lee Hillwig

**APAC**  
**Artificial Production Facility/ Program Evaluation Workgroup**

**Workgroup Goal**

**By December 2001 the template workgroup will have a scientifically reviewed, APAC and Council approved evaluation template for use in the evaluation process**

**Potential Workgroup Members**

- Trent Stickell
- Tom Rogers
- Brian Zimmerman
- Keith Underwood
- Ian Fleming
- Bob Foster
- Stuart Hammond
- Bob Spateholts
- Bill Wiles

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### **NWPPC Artificial Production Advisory Committee**

# Appendix A

## Anadromous / Fish Regional Goals, Objectives and Strategies

## Anadromous and Resident Fish Workgroups

Workgroups should address three questions:

1. Where are we today with artificial production programs?
2. Where do we wish to arrive?
3. How do we get there from here?

1. Where are we today?

- a) Discuss and list **strengths** and **weaknesses** of current artificial production programs.
- b) Discuss and list external **opportunities** and **threats** to current artificial production programs.

2. Where do we wish to arrive?

Develop draft statement of purpose for statement for anadromous and resident fish artificial production programs:

**Example: To optimize the benefits and diminish the risks of artificial production in the Columbia Basin through scientifically sound practices that protect or enhance naturally spawning populations, promote harvest opportunities, encourage species and life history diversity, cost-effectively augment the regional economy and meet legal and policy obligations.**

Develop one or two goals for the following areas if applicable:

- a) Harvest
- b) Protecting and/or enhancing naturally spawning populations
- c) Species and life history diversity
- d) Improving regional economy
- e) Legal and policy obligations
- f) Research
- g) Others

3. How do we get there from here?

List a set of general strategies for reaching each of the goals.

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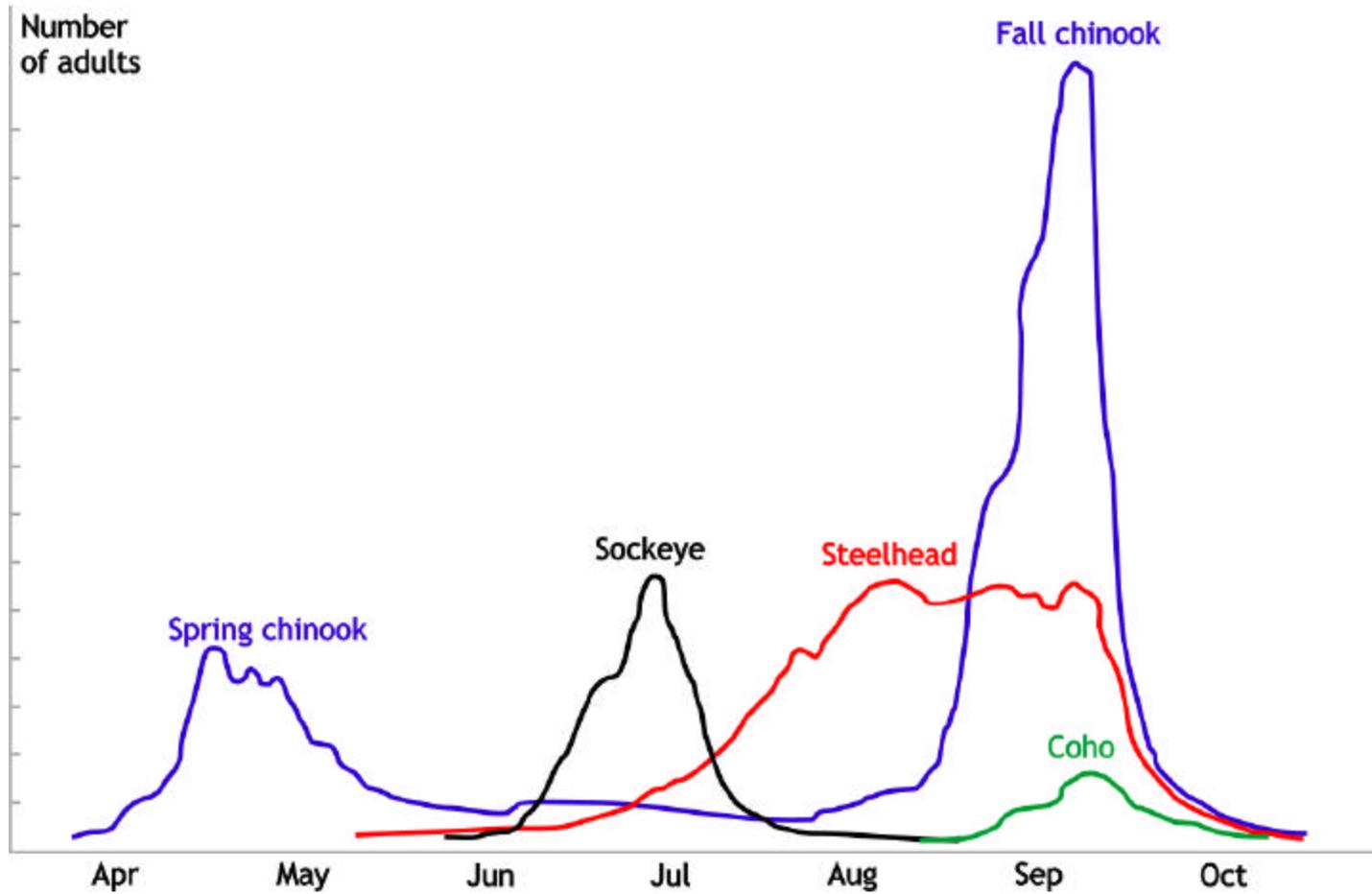
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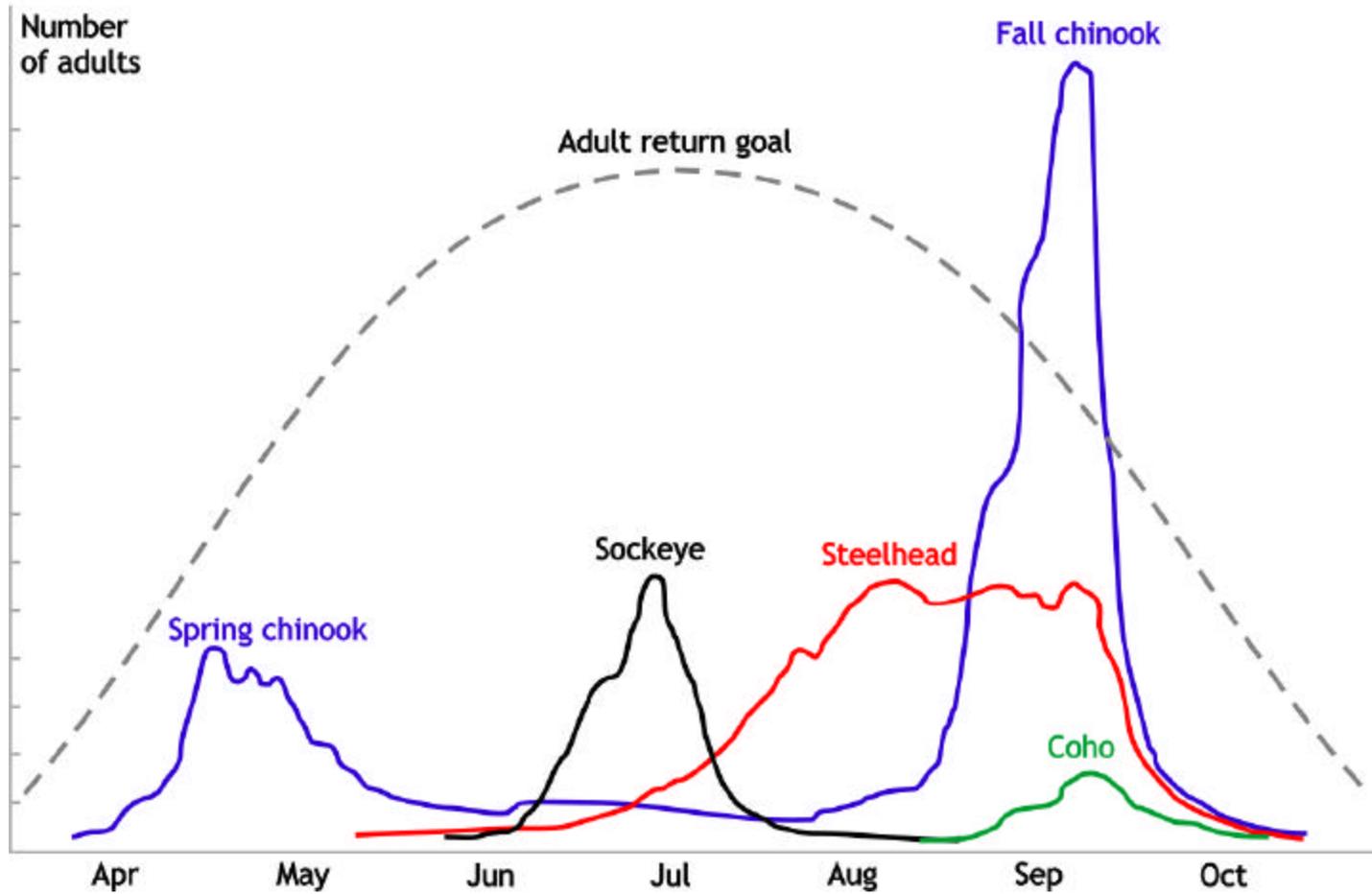
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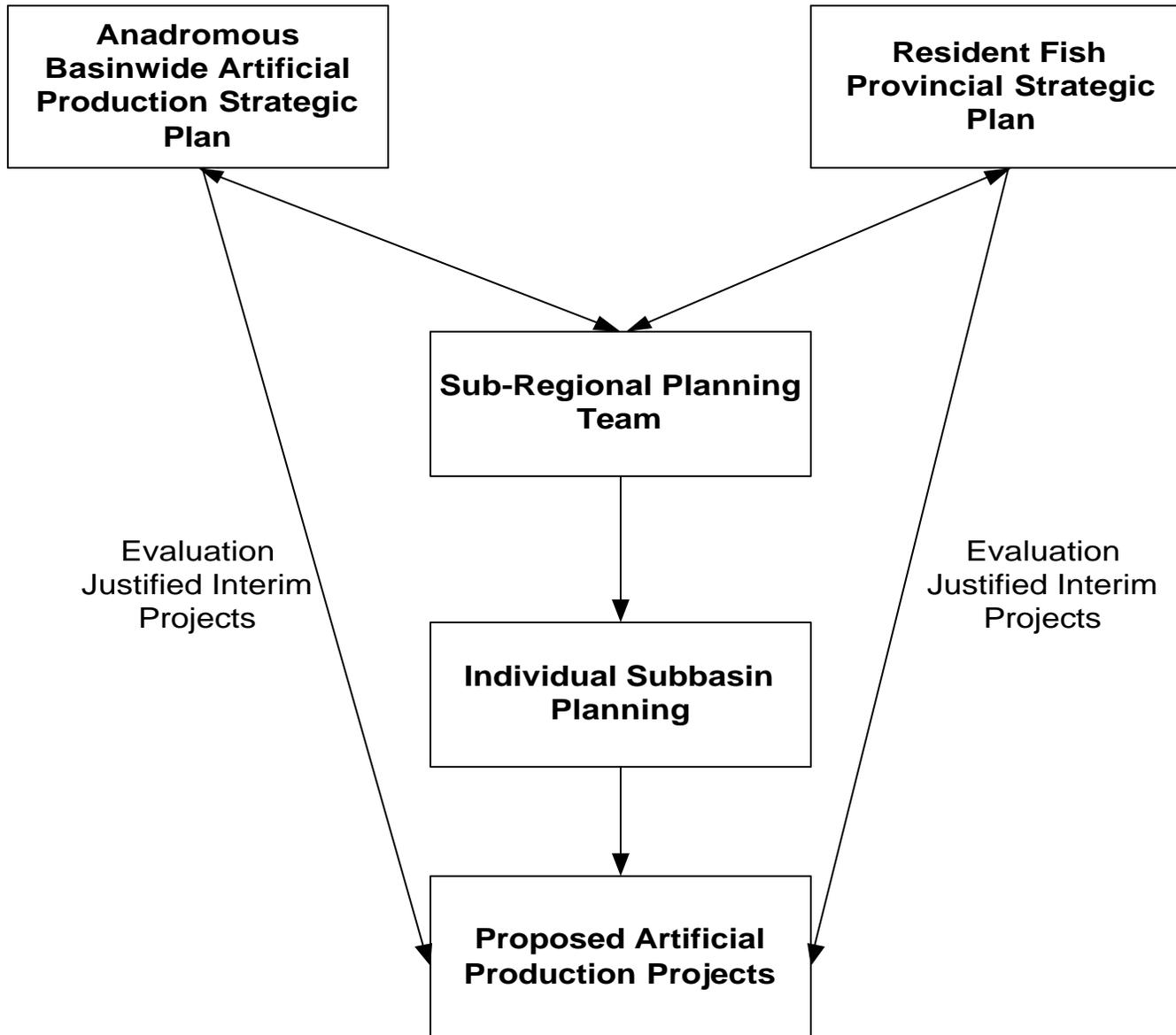
## Adult Returns at Bonneville Dam



## Adult Returns at Bonneville Dam



# AP Regional Goals and Objectives Coordination with Subbasin Planning



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### **NWPPC Artificial Production Advisory Committee**

# Appendix B

## Resident Fish / Regional Goals, Objectives and Strategies

## Anadromous and Resident Fish Workgroups

Workgroups should address three questions:

1. Where are we today with artificial production programs?
2. Where do we wish to arrive?
3. How do we get there from here?

1. Where are we today?

- a) Discuss and list **strengths** and **weaknesses** of current artificial production programs.
- b) Discuss and list external **opportunities** and **threats** to current artificial production programs.

2. Where do we wish to arrive?

Develop draft statement of purpose for statement for anadromous and resident fish artificial production programs:

**Example: To optimize the benefits and diminish the risks of artificial production in the Columbia Basin through scientifically sound practices that protect or enhance naturally spawning populations, promote harvest opportunities, encourage species and life history diversity, cost-effectively augment the regional economy and meet legal and policy obligations.**

Develop one or two goals for the following areas if applicable:

- a) Harvest
- b) Protecting and/or enhancing naturally spawning populations
- c) Species and life history diversity
- d) Improving regional economy
- e) Legal and policy obligations
- f) Research
- g) Others

3. How do we get there from here?

List a set of general strategies for reaching each of the goals.

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Map by Bonneville Power Administration Geographical Information System

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### **NWPPC Artificial Production Advisory Committee**

# Appendix C

## Facility / Program Evaluation

# Facility / Program Evaluation Discussion Outline

## I. Goals and Deliverables

A coordinated artificial production plan with a clear set of objectives and a prioritized strategy or method for implementation of APR principals.

### **Evaluation Deliverables (For approximately 120 programs):**

- A consolidated multi - agency and tribe review of artificial production in the Columbia Basin. (Phase I)
- A progress report to decision makers on the status of Columbia Basin artificial production reform. (Phase I)
- A determination of whether programs match stated APR purpose and alignment of key protocols and operations with that purpose.
- An evaluation whether program is consistent with legal, policy and scientific criteria.
- An examination of operational costs, production and adult return information.
- Recommend interim changes.
- Preliminary basin wide budget/costs to implement interim changes and future costs including implementing improvements from IHOT, HGMPS AND M&E programs for appropriate production programs.
- Consolidated, accurate, current information and data made available in a manner that provides fisheries manager's, planners and decision makers a tool to support and meet other regulatory, planning and decision making needs and requirements.

### **Uses of Evaluations**

- A budgeting tool for decision makers.
- Information for funding processes such as determining cost estimates for implementing ESA compliance requirements at appropriate production programs.
- Information for subbasin planning processes. Guidance on use of artificial production to meet subbasin and regional objectives.
- Information to put programs into a regional context.
- Information and data to determine whether facilities and programs should be kept the same, changed or shut down.
- Consolidated data and information from existing and past processes to aid managers with existing processes and requirements.
- Determining the adequacy of production programs for funding of ESA and APR reforms and capital improvements.

## **Potential Relationships to On-going Processes**

**Sub-Basin/Recovery Planning** - Provide basic artificial production information in a regional context to planners for use in developing or completing sub-basin plans. The Review would indicate if a given sub-basin's artificial production programs are consistent with ESA and APR policies. Documentation of policy inconsistencies, program strengths and weaknesses, and funding needs would assist planners with integrating artificial production programs in their plans.

**ESA Compliance** – The review would provide important information to NMFS, Federal agencies, and the region on the status of hatchery program compliance with the ESA and progress in achieving completed HGMPs.

**FCRPS BiOp** – The review would provide key information for prioritizing funding and development for existing processes. The region's progress in reducing the adverse impacts of poor hatchery programs on ESA-listed stocks is key to the results/crediting needed for the FCRPS BiOp.

**HGMPs** – The review could provide alerts to program managers, NMFS and the Councils about which production programs will need significant alteration during development of their HGMP

**Rolling Provincial Reviews** – The review would provide a tool to prioritize which production programs are priorities for funding to meet program purpose, regulatory requirements and other needs.

## **II. Issues to Consider**

### **Clear objectives and questions to be answered?**

1. Is the program meeting its stated purpose and program goals?
2. Is the program in alignment with current legal/policy requirements and existing plans?
3. Is the program adversely impacting other fish?
4. Does the current program purpose still make sense today?

**What is lacking from previous evaluations that has not clearly led to implementation of artificial production reforms.**

**Evaluation must identify issues in a fashion that will be detailed enough to assure plans can be developed for change?**

**Evaluation must provide enough information to assure that all programs and facilities can be aligned in a subbasin / provincial and regional basis with a “shared vision”.**

**Evaluation must assure that there is a usable baseline that is provided to regional planners.**

**Evaluation must involve and fund managers in the effort.**

**Scientific review of the evaluation will be completed before start. Joint ISAB / ISRP consultation**

**How do you assure that competing strategies are identified? Aligned strategies for Bonneville funding.**

**A budget for reform must be identified**

**Evaluation must be an implementation tool that makes sense on a regional basis. Must provide decision makers a logical approach when evaluating funding requests.**

**III. Specific areas of artificial production that review will incorporate**

**Cost estimation**

**Science / Genetics**

**Fish culture practices**

**Fisheries / Harvest practices**

**Economics / budget**

**IV. Incorporate all valid, current, existing information sources that will contribute to evaluation goals**

**Clear uses of valid IHOT information**

**Clear uses of other valid information**

**PSI (Incorporates ISAB review, PRC, APR, SRT, Fish Health)**

**HGMP's**

**Other**

## Facility and Program Evaluations

The facility and program evaluation should address the following questions:

1. Is the program meeting its stated purpose and program goals?
2. Is the program in alignment with current legal/policy requirements and existing plans?
3. Is the program adversely impacting other fish?
4. Does the current program purpose still make sense today?

Examples of the types of information needed to address the questions:

### 1) Is the program meeting its stated purpose and program goals?

- Description of program purpose
- Have the original purpose/mitigation requirements changed? Why?
- Based on legal and policy mandates, does the current operation match the intended purpose of the program?
- Contribution to fisheries
- Escapement goals
- Success in meeting historical program production/return goals:
  1. Broodstock collection
  2. Broodstock survival
  3. Eggtake number
  4. Green egg to eyed egg survival
  5. Eyed egg to fry survival
  6. Fry to smolt survival
  7. Smolt quality/release characteristics
  8. Release number
  9. Adult returns (SAR)

### 2) Is the program in alignment with current legal and policy requirements?

- Does the current program operation conform with:
  1. Council's 2000 Fish and Wildlife Program guidelines and Artificial Production Review (APR) policies and recommendations
  2. NMFS's Biological Opinions
  3. US vs. OR agreements
  4. Section 4d rules and Section 10 permits
  5. Current subbasin plans

### 3) Is the program adversely impacting other fish?

- Ecological interaction considerations
- Broodstock collection and spawning protocols
- Facility rearing methods
- Contribution to mixed-stock fisheries and harvest of natural-origin fish
- Monitoring and evaluation of impacts
- Risk management procedures

- Experimental and adaptive management framework

**4) Does the current program purpose still make sense today?**

- Does the program make sense in the context of the current ecological, social and economic environment?

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# **Areas For Artificial Production Evaluation/Review (Draft Outline)**

## **Part I – Background Information**

- Province
- Subbasin
- Hatchery facility
- Species/stock released
- Past funded projects (rolling review)
- Sub-basin plan
- Sub-basin summary
- Provincial, basin, regional production goals
- HGMP
- ESA coverage
- Monitoring & evaluation
- Economic / Operating Issues

## **Part II– Mandate & Purpose Information**

- Legal mandate(s)
- Current purpose
- Initial purpose
- Future purpose
- Mandate/purpose consistency
- Recent reforms

## **Part III – Integration With Subbasin Plans**

## **Part IV - Evaluation Based On Purpose (Performance Standards And Indicators)**

- Augmentation purpose
- Mitigation purpose
- Restoration purpose
- Preservation/conservation purpose
- Research purpose

## **Part V – Consistency With Policies And Mandates**

## **Part VI – Recommendations**

## **Part VII – Estimated Cost To Implement Recommendations**

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September 19, 2001

### Artificial Production Advisory Committee (APAC)

Date: September 6, 2001

Place: Portland, Oregon

Time: 9AM - 4:00 PM

### Artificial Production Advisory Committee September 6, 2001 Meeting Attendance

	Name	In Attendance September 6, 2001
Northwest Power Planning Council	Bruce Suzumoto, Dan Warren	Present Present
Columbia Basin Fish and Wildlife Authority	Brian Allee Neil Ward	Present Present
Confederated Tribes of the Colville Reservation	Joe Peone Jerry Marco	Not Present Not Present
Spokane Tribes of Indians	Keith Underwood	Present
Kalispel Tribe of Indians	Joe Maroney	Not Present
Kootenai Tribe	Sue Ireland	Present by Phone
Coeur d'Alene Tribe	Ronald Peters	Present
Nez Perce Tribe	Ed Larson	Present by Phone
Confederated Tribes of the Umatilla Indian Reservation	Brian Zimmerman	Present
Confederated Tribes of the Warm Springs Reservation of Oregon	Bob Spateholts Patty O'Toole	Not Present Not Present
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.	Present
Columbia River Inter-Tribal Fish Commission	Doug Dompier	Present
Upper Columbia United Tribes	Bill Wiles	Not Present
Bonneville Power Administration	Tom Backman	Not Present
National Marine Fisheries Service	Rob Jones	Not Present
U.S. Fish and Wildlife Service	Lee Hillwig	Present
Idaho Department of Fish and Game	Tom Rogers	Present

Oregon Department of Fish and Wildlife	Trent Stickell	Not Present
Washington Department of Fish and Wildlife	Bob Foster	Present
Montana Department of Fish, Wildlife and Parks	Gary Bertellotti	Not Present
Chelan PUD	Steve Hayes	Not Present
Grant County PUD	Stuart Hammond	Present
Native Fish Society	Bill Bakke	Present
Contractor	Steve Smith	Present
Oregon State University	Ian Fleming	Present

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September 19, 2001

**Artificial Production Advisory Committee (APAC)**

Date: September 7, 2001

Place: Portland, Oregon

Time: 8AM - 12:00 PM

**Artificial Production Advisory Committee  
September 7, 2001 Meeting Attendance**

	<b>Name</b>	<b>In Attendance September 7, 2001</b>
Northwest Power Planning Council	Bruce Suzumoto, Dan Warren	Present Not Present
Columbia Basin Fish and Wildlife Authority	Brian Allee	Present
Confederated Tribes of the Colville Reservation	Joe Peone Jerry Marco	Not Present Not Present
Spokane Tribes of Indians	Keith Underwood	Present
Kalispel Tribe of Indians	Joe Maroney	Not Present
Kootenai Tribe	Sue Ireland	Not Present
Coeur d'Alene Tribe	Ronald Peters	Present
Nez Perce Tribe	Ed Larson	Not Present
Confederated Tribes of the Umatilla Indian Reservation	Brian Zimmerman	Present
Confederated Tribes of the Warm Springs Reservation of Oregon	Bob Spateholts Patty O'Toole	Not Present Not Present
Yakama Nation	Tom Scribner	Not Present
Shoshone-Bannock Tribes of the Fort Hall Reservation	Chad Colter	Not Present
Shoshone-Paiute Tribes of the Duck Valley Reservation	Guy Dodson, Sr.	Present
Columbia River Inter-Tribal Fish Commission	Doug Dompier	Present
Upper Columbia United Tribes	Bill Wiles	Not Present
Bonneville Power Administration	Tom Backman	Not Present
National Marine Fisheries Service	Rob Jones	Not Present
U.S. Fish and Wildlife Service	Lee Hillwig	Present
Idaho Department of Fish and Game	Tom Rogers	Present

Oregon Department of Fish and Wildlife	Trent Stickell	Not Present
Washington Department of Fish and Wildlife	Bob Foster	Present
Montana Department of Fish, Wildlife and Parks	Gary Bertellotti	Not Present
Chelan PUD	Steve Hayes	Not Present
Grant County PUD	Stuart Hammond	Present
Native Fish Society	Bill Bakke	Present
Contractor	Steve Smith	Present
Oregon State University	Ian Fleming	Present

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**September 19, 2001**

**Northwest Power Planning Council, Artificial Production Advisory Committee**

**Date: September 6<sup>th</sup> - 7<sup>th</sup>, 2001**

**Time: 9:00 AM to 4:30 PM**

**Location: Northwest Power Planning Council Offices, Portland, OR.**

**Agenda Items-**

- 1. General Introduction**
- 2. Members Introduction**
- 3. Administrative Issues and Questions**
- 4. Follow-up from August 15<sup>th</sup> 2001 Meeting**
- 5. Review Agenda**
- 6. Overview of Facility/Program Evaluation**
- 7. Review Workshops**

**Ed Larson, Nez Perce Tribe and Sue Ireland, Kootenai Tribe of Idaho participated by telephone.**

**Bruce Suzumoto** opened the meeting at 9:12 am, September 6, 2001.

**Bill Bakke** thought the minutes were getting more detailed but would still like more detail.

**Doug Dompier** stated that he and John Ogan are communicating per last weeks issues.

**Bruce Suzumoto** indicated that the schedule for the first few sub-basin plans might be aggressive and stressed that APAC products will fit into the sub-basin schedule. **Keith Underwood** expressed concerns that entities have too much work to get both sub-basin plans done and APAC products done. Brian thought that the two processes should be allowed to move independently as there is too much work to do. **Lee Hillwig** also expressed concerns about sequencing the schedule due to workload. **Bruce Suzumoto** stated the APAC work needs to feed into the sub-basin planning.

**Bob Foster** announced he will be working soon for NMFS in its Olympia office and representing NMFS at APAC.

**Bruce Suzumoto** presented an overview of the APAC work plan with a final APAC plan and budget to the Council in December 2001. The APAC review will take place from January through July 2002 with a draft evaluations report due at that time.

**Lee Hillwig** expressed concern about how the APAC work fits with what's being done in HGMPs. He expressed concern about duplication of effort or the two processes resulting in different outcomes. **Bruce Suzumoto** stated that information from completed HGMPs would provide input to the APAC process. He also expects the APAC report to help focus on development of HGMPs.

The whole group had a lengthy discussion about HGMPs and how they are completed and will evolve through time. They are a living document and will be changed as new information becomes available and objectives change. **Doug Dompier** stressed the need to stick with a hatchery format or reform will not happen.

**Doug Dompier** expressed concerns about who the independent contractors would be and how they might relate to "independent scientists".

In response to a question by **Bill Bakke**, **Bruce Suzumoto** explained that these contractors will be lined up over the next 3 months.

After July 2002, the draft APAC reports will undergo APAC, public, and scientific review with a final product completed in December 2002.

**Bruce Suzumoto** proceeded with an explanation of the review questions. Lee indicated USFWS has the 3A's – Appropriateness, Alignment, and Accountability. Bob Foster stressed the need to consider tribal rights in more than US v OR as 9 tribes are not party to that process.

**Doug Dompier** stressed the need to refer to hatchery impacts as having positive effects as well as the negative effects.

**Brian Zimmerman** wanted to know how the evaluation questions would relate to the Performance Standards and Indicators and whether the Council is on to a whole new set of questions other than the Performance Standards and Indicators (PSI). **Keith Underwood** indicated his frustration that APAC is not answering needed questions – nothing new is being done.

**Bruce Suzumoto** moved on to the APAC evaluations and deliverables.

**Bob Foster** wanted the benefits of hatcheries stressed.

**Bruce Suzumoto** responded for **Bill Bakke** that the costs of hatchery programs and a comparison to benefits would be reported.

**Brian Allee** summarized how all the processes can be viewed as integrating.

**Bruce Suzumoto** proceeded to explain the uses of the Evaluation and then how it relates to other processes ongoing in the basin.

**Bruce Suzumoto** proceeded into a presentation on what the overall planning of artificial production should be for the basin. Planning should proceed at the basin level in addition to the sub-basin level.

*Break*

**Bruce Suzumoto** led a discussion of what the evaluation template should contain. He used an overhead that was included in the meeting packet.

**Bill Bakke** thought that a question needed to be asked about the legal mandate being met. **Doug Dompier** questions, has the legal mandate changed. **Brian Allee** said that questions in the PSI address legal standards. **Lee Hillwig** added that looking into conflicts between mandates would be necessary. **Ron Peters** and **Lee Hillwig** both emphasized the need to include tribal cultural values in the mandates. **Brian Allee** continued to quote from the PSI in the APR Report (99-15) – stressing the point that we have addressed the needed information already in the standards.

**Doug Dompier** stressed the need for the contractors to get all the needed information from all parties. **Bob Foster** stated that the contractors should have their draft reports reviewed by all parties so they don't just obtain input from the owner/operator of a hatchery program.

**Bill Bakke** wanted both fish health and the Clean Water Act needs to be considered in the review.

**Neil Ward** indicated that the anadromous outline should serve the resident fish reports with some changes in a few terms.

**Tom Scribner** indicated that smolt survival during migration should be considered.

**Steve Smith** wanted to know how much detail everyone thinks this review should gain before it overloads or duplicates the other more detailed processes. Several APAC members agreed that it was getting too detailed. **Brian Zimmerman** felt that the detail is needed to get to good recommendations.

**Brian Allee** stressed that the APAC review is a 2-step process – a purpose review first to be followed up by more detailed review in September of 2002 where the detail is needed.

**Keith Underwood** felt the review needed to measure the success of a program by measuring fish in the creel. Needs to link the hatchery and its product to the fishing experience and success. It needs to be able to distinguish where a problem might exist –

in the hatchery, with the hatchery product, or in the environment to which the product is placed.

Concerning legal requirements, the group added FERC license requirements (including settlements), Tribal Treaty rights, trust responsibilities, and executive orders. Also Clean Water Act, state laws, and Corps Section 10 permits need to be considered.

**Bruce Suzumoto** introduced the subject of impacts of a program on other fish. Bruce indicated the need to coordinate with the harvest managers as **Steve Smith** indicated that a problem still exists in mixed-stock harvests that pursue hatchery fish.

**Doug Dompier** expressed concern that weak stocks were being used to justify restricting mixed stock harvest.

The group added Performance standards #8 and #1 as relevant to impacts to other fish.

**Ed Larson** expressed the need to change harvest management if we are to restore the anadromous fish ecosystem. Ed hopes that APAC will address the harvest issues as they relate to hatchery propagation.

**Doug Dompier** expressed concerns that the governors are seeking mass mutilation of hatchery fish to support selective fisheries and therefore hatchery reform will not occur.

## **Lunch**

A decision was made not to split into the 3-separtate workgroups for the afternoon session, but stay together in one group.

A question was asked as to why reforms had not taken place? **Doug Dompier** answered no penalty. **Lee Hillwig** answered that there has not been evaluations of hatcheries that were a guide for reform. Others identified that IHOT has yet to be implemented because the technical review did not answer the need for new policies.

There was discussion by **Lee Hillwig** and **Doug Dompier** on whether other people need to be at the APAC table for a policy level review. **Bruce Suzumoto** stated that the reform requires both policy and technical issues.

**Brian Allee** agreed with **Doug Dompier** that a big issue is harvest policy as it relates to how hatcheries are operated. Harvest policy people need to be involved if reform of hatcheries is to be most successful.

**Steve Smith** agreed that there are two primary hatchery/harvest strategies in the basin and that it may be too soon to know which strategy is correct. Should the Council pursue an approach that implements both strategies on an experimental basis until sufficient hatchery effectiveness information exists and selective harvest information exists to settle on a single basin wide hatchery/harvest strategy? BPA's EIS is also asking the question

about apparent conflicting policies and the effects of such conflicts on meeting their mission and effects on their budget.

**Bruce Suzumoto** indicated that APAC is the only forum in the basin that is currently looking at artificial production on a basin wide scale and must address these issues.

**Guy Dodson Sr.** indicated that there must be a negotiated agreement to proceed on these policy issues.

**Doug Dompier** wants the Council to host a gathering of policy people to address how to manage the hatcheries. Its time for the Council members to talk to the policy leaders of the agencies and tribes and not just the technical people. Council operates best by addressing the big policy issues like it did in the past.

**Steve Smith** suggested that a goal of APAC would be to not try to resolve the disagreement on the two big hatchery/harvest strategies, but to agree to disagree and move forward on how the hatcheries can be made consistent with future sub-basin plans and to gather as much information as fast as possible in hatcheries and harvest to help resolve the major policy disagreement.

\*\*APAC would like NMFS to clarify its BiOp RPA on the marking of spring Chinook. Does the RPA call for marking all hatchery spring Chinook or marking those destined for potential harvest? **Bruce Suzumoto** will pursue this clarification with Larry Rutter before the next meeting.

**Bruce Suzumoto** used flip charts to record input on the key evaluation questions. These charts should be viewed for this input (see Attachment).

**Brian Zimmerman** expressed concern about the review being a programmatic evaluation or a technical evaluation. **Bruce Suzumoto** suggested it is both.

**Brian Allee** and **Ed Larson** stated that the IEAB should be requested to investigate the economic benefits of hatcheries – not cost-effectiveness or cost/benefit, but cash flow or economic activity associated with the hatchery product.

**Steve Smith** suggested that the outcome of the purpose review could be some hatchery programs getting a green light to IHOT-based investments, ESA reforms, and other funding actions. Other hatchery programs might be identified as needing to await completion of sub-basin planning before investing new funds. And finally other programs could be problematic and/or controversial in their purpose or success and be put to a more detailed review process – not ready for reform investment until the issues are resolved.

Again, considerable information was recorded on flip charts by **Bruce Suzumoto**. (See Attachment)

## ***Break***

**Bruce Suzumoto** started the afternoon session by asking where the raw information for the APAC evaluation review might be gathered. This information was recorded on several flip charts (Attached).

**Bruce Suzumoto** then asked who in APAC could help in the review. Also Bruce asked for suggested names for the independent contractors. These names were recorded on flip charts. **Doug Dompier** suggested hiring one consulting firm to supply all of the needed personnel. Doug is concerned about the independence of anybody. Who are they and where are they?

**Dan Warren** suggested looking for a Project Manager /data manager to add to the team for gathering and organizing the information. **Tom Rogers** stated that agency and tribal people will be required to locate and provide the information. **Bob Foster** suggested Montgomery/Watson.

**Brian Allee** suggested costing out several options: several independent specialists, and a large firm. Each has its strengths and weaknesses. **Lee Hillwig** suggested funding agencies and tribes to do the work as part of sub-basin planning.

**Doug Dompier** stressed the need for the Council to set the vision for hatcheries in the basin. Steve suggested the policies and principles in the APR report. Doug was more interested in the vision of the Council in how to apply these policies and principles. **Tom Scribner** stated that if the Council could do one thing it would be to articulate its vision on this hatchery and harvest issue – and broader goals.

**Keith Underwood** is concerned about a top down approach to fish management rather than relying on the sub-basin, bottom up approach. He expressed that there may be too much overload on the APAC to try an in depth basin strategy. Thinks we should focus on a “sum of the parts” approach vs. an engineered approach at the big scale. The group discussed ways of balancing top down and bottom up.

**Bruce Suzumoto** stated that the APAC could develop a basic model that allows analysis of alternative basin production scenarios.

**Brian Allee** suggested top down thinking applied to resident fish at the Province level. Bruce suggested provincial goals and objectives for resident fish and a model at the provincial level.

Meeting was adjourned at 3:59pm. Meeting will re-convene Friday September 7, 2001.

## **FRIDAY SESSION**

Meeting was opened at 8:05 am by **Bruce Suzumoto**.

**Bruce Suzumoto** continued his polling of potential names for contractors to do the review and evaluation. This information was recorded by Bruce on the flip charts. (see Attachment)

**Keith Underwood** proposed that criteria for selection of contractors were more important than actual names.

**Brian Zimmerman** suggested different people and backgrounds for the first phase of the review as compared to the second phase. Suggested that even legal backgrounds might be appropriate for the first phase. **Doug Dompier** suggested Lewis & Clark Law School personnel and students.

**Ian Fleming** suggested one or more people to summarize the information and one or more to analyze the information.

**Steve Smith** suggested a blend of local and distant personnel across the required skills to get a blend of backgrounds. As a team this might produce the best product. **Keith Underwood** insisted that some of the people be from outside the region.

**Ian Fleming** suggested tying in with NSF panel looking at Atlantic salmon issues.

**Lee Hillwig** suggested expertise in fish health and physiology in addition to basic fish culture experience.

**Steve Smith** suggested a green, yellow, and red light outcome of the hatchery review. Green light programs would be available for immediate funding, yellow light would need to await completion in sub-basin planning, and a red light would send a program to a more detailed review.

**Ian Fleming** - Commented on needing to look at the “scheme of hatcheries” in the basin and leave the politics out.

**Doug Dompier** expressed concern about giving the politicians too much latitude with the outcome of the hatchery review. **Bob Foster** suggested that sub-basin planning will set the local goals and objectives for use of hatcheries.

**Lee Hillwig** suggested the APAC make suggestions on how to improve a program if it shows up to be a problem.

**Bruce Suzumoto** agreed that it’s both – identifying if problems exist and what to do to improve the program.

**Tom Rogers** expressed concern about APAC micro-managing individual hatcheries.

**Bruce Suzumoto** wanted to start a discussion about the big basin-wide picture – future of salmon and salmon economics. **Ian Fleming** felt we needed the basic information first before entertaining the big picture and how to shape it.

**Keith Underwood** stressed the need to stick with a bottom up approach from the sub-basins. **Steve Smith** suggested we needed a basic discussion of the big picture so that the review process collects the right basic hatchery information for a later detailed big-picture review.

**Brian Zimmerman** expressed concerns about APAC analyzing major production policy issues with the membership of APAC. Such effort needs higher-level policy people. **Bruce Suzumoto** suggested APAC members be conduits to their policy people for these issues or bring them to APAC for such discussions.

**Keith Underwood** is concerned that going into the big picture policy arena, might lead to fishery co-managers killing the APAC process before it gets started.

**Lee Hillwig** was concerned that if hatchery planning is only based on sub-basin planning, it won't consider the broader regional and international implications. FWS can't participate if the process is only sub-basin based per policy issues.

**Steve Smith** suggested APAC consensus on Phase I and Phase II of the review, but problems arise on the big picture policy discussions. Perhaps everyone can agree to collect the information in the review that can then be used later by APAC or US v OR, or some other gathering of managers to review the big picture policy issues. But collect the information now.

### *Break*

**Bruce Suzumoto** suggested Council staff prepare the review templates and brief the Council.

**Doug Dompier** wanted Council talking to fishery agency and tribal leadership before showing them draft templates for the review? **Bob Foster** thought the Council needed to be briefed ASAP or we will miss too much time. Doug was comfortable with a briefing of the Council, but not specific approval of the templates without prior OK by APAC and policy level briefings.

**Bruce Suzumoto** offered for APAC members to assist him in a Council briefing. Next Council meeting is September 26-27 in Spokane.

**Bruce Suzumoto** is thinking the next meeting of the anadromous sub-APAC on October 10<sup>th</sup> in Portland. **Keith Underwood** said the resident fish people are meeting in Lewiston on October 16<sup>th</sup> and 17<sup>th</sup>. Will look for a resident fish sub-APAC meeting on the 15<sup>th</sup> in Lewiston.

**Brian Allee** returned from a meeting at BPA on funding HGMPs. There is lack of clarity from NMFS BiOP on HGMP's. There are HGMPs and HGMP+s. Sarah McNary requested that APAC help clarify. Brian stated that the HGMP template was included in the APR report. BiOp came out later and mentioned the HGMP+. Want APAC to clarify. Lee stated that NMFS/FWS has the action agencies providing HGMPs instead of biological assessments. But the HGMP+ was to cover hatchery issues above the jeopardy standard to cover recovery as well. These are dynamic documents that will change as programs to change to meet future needs. The HGMP+ was to cover not just existing hatchery operations, but reformed or expanded operations to help where necessary in recovery.

**Doug Dompier** demanded that APAC not get involved in this issue. Just have the Council put in their program that BPA fund HGMPs and get past this muddling. **Steve Smith** requested that NMFS and USFWS who are meeting on Monday on this issue, prepare a 1 page written explanation. **Bob Foster** suggested that NMFS and USFWS should deal with this issue.

**Lee Hillwig** clarified that the issue isn't the HGMP template – it's the same as the HGMP+. The issue is that NMFS and USFWS are requiring BPA through the BiOp to prepare HGMPs on more than just those actions to prevent jeopardy from a hatchery, but to include in the HGMPs actions at hatcheries that improve viability of listed populations to help the hydro system get to "no jeopardy" through off-site mitigation.

**Doug Dompier** wanted to be sure that the right and knowledgeable people from NMFS give any presentation to APAC on this HGMP people.

**Steve Smith** requested that he give a presentation on the Safety-Net Propagation Program at the next meeting.

Meeting adjourned at 10:55 am.

**These minutes are an accurate and complete summary of the matters discussed and conclusions reached at the Artificial Production Advisory Committee meeting held on September 6, 2001 and September 7, 2001.**

Signed by DW, 9/19/01

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**Dan Warren, Project Manager, Planner**