

MODEL EVALUATION WORKGROUP REPORT ON
SALMON METHODOLOGY REVIEW:
FINAL PRIORITIZATION OF MODELING ISSUES FOR SSC

The Model Evaluation Workgroup (MEW) has met three times since formed by the Council in June of this year, twice in person and once by conference call. The Council directed the MEW to document the Fisheries Regulation and Assessment Model (FRAM) as a first priority. The MEW is actively working toward completion of this task and has decided on a three-step approach. Step one is to create a FRAM 'Overview' document. The Overview will provide a general description of FRAM. For example, it will define the chinook and coho stocks and fisheries included, time steps included, as well as information on such things as the various types and magnitudes of incidental mortality rates used in different fisheries. It will also include a flow chart of computations within FRAM, a list of the fundamental equations used, and a description of some of the ancillary models used, such as the Terminal Area Management Modules (TAMMs). The Overview's target audience is members of the Council family who would like some general information about what FRAM is and does, but do not need to know the details of FRAM operation. Step two will be to complete what we are referring to as the FRAM 'bible'. This document is envisioned to be both a programmer's guide to FRAM, with detailed listings of all equations and computations in both the chinook and coho FRAMs, as well as containing documentation of model base data and instructions for completing a base period calibration of FRAM. Step three is to produce a FRAM 'Users Guide'. We anticipate this will be somewhat of a 'cookbook' to assist a new FRAM user in making a forward model run given a calibrated model.

Each year, the Scientific and Statistical Committee (SSC) is asked by the Council to conduct a review of any proposed changes to methodologies used by the Council to estimate fishery impacts during the preseason planning process. Last spring, the Council approved a list of six items for potential SSC review. Of these six, the MEW recommends that two be reviewed.

1. The MEW anticipates the FRAM 'Overview' document will be in a final draft form by early October. We recommend the Council request the SSC and the Salmon Technical Team (STT) to review the draft document and provide comments back to the MEW.
2. The Coho Technical Committee of the Pacific Salmon Commission is modifying the coho FRAM to add fishery and stock strata for Canadian management needs. These modifications should be completed soon and will be reviewed by the SSC.

In addition, last April the Council directed the STT to begin reporting annually the anticipated Individual Stock Based Management (ISBM) indices for selected stocks as defined in the 1999 Revised Annexes to the Pacific Salmon Treaty with Canada. The MEW would like to present the formula for the index to the SSC for its information, comments, and suggestions.

PFMC
09/10/03

SCIENTIFIC AND STATISTICAL COMMITTEE REPORT ON
SALMON METHODOLOGY REVIEW: FINAL PRIORITIZATION OF MODELING
ISSUES FOR SSC

At the April 2003 meeting, the Scientific and Statistical Committee (SSC) identified six methodology issues for possible review during the November 2003 meeting. These were the:

- Chinook and coho Fishery Regulation Assessment Model (FRAM) documentation.
- Chinook FRAM for mark-selective fisheries.
- Coho FRAM fisheries for Canadian stocks.
- Columbia River Fall chinook ocean abundance predictors.
- Oregon Department of Fish and Wildlife management plan for Lower Columbia River coho salmon.
- Oregon Coastal Natural (OCN) coho salmon prediction methodology.

The Coho FRAM fisheries for Canadian stocks is the only model with new material to review. The Model Evaluation Workgroup will have a draft of the Chinook and Coho FRAM overview documentation for review. The SSC Salmon Subcommittee will review these two products in October and present its results to the full SSC at the November 2003 meeting.

PFMC
09/10/03

SALMON TECHNICAL TEAM REPORT ON
SALMON METHODOLOGY REVIEW:
FINAL PRIORITIZATION OF MODELING ISSUES FOR SSC

The Salmon Technical Team (STT) met recently to develop recommendations to the Council on methodology reviews to be preformed by the Scientific and Statistical Committee (SSC) this fall. Last spring, the Council approved a list of six methodology review items for potential SSC review. Of these six, the STT understands that two are near completion and recommends for review:

1. The Model Evaluation Workgroup (MEW) anticipates the Fishery Regulation Assessment Model (FRAM) 'Overview' document will be in a final draft form by early October. We recommend the Council request the SSC and the STT review the draft document and provide comments back to the MEW.
2. The Coho Technical Committee of the Pacific Salmon Commission is modifying the coho FRAM to add fishery and stock strata for Canadian management needs. These modifications should be completed soon and reviewed by the SSC for use in 2004.

In addition, last spring the Council directed the STT to estimate, preseason, the Individual Stock Based Management (ISBM) indices for selected stocks as defined in the 1999 revised Annexes to the Pacific Salmon Treaty. The STT understands the MEW wishes to present the formulation of the index to the SSC for their information. Computation of the index, while conceptually relatively simple, can be difficult for a number of reasons. The STT requests the SSC and the MEW provide any guidance they can regarding generation of the index in an accurate and timely manner.

PPMC
09/10/03

Draft

FY 03 Mitchell Act Cooperative Agreement Funding Table

Award Number	Project	Agency	Mod	Amount	Date to GMD	Date Signed
NA03NMF436	Ringold Salmon Acclimation	WDFW	0	\$45,049	12/18/02	03/26/03
			1	\$22,356	06/05/03	
NA03NMF436	Irrigation Diversion Screens and	IDFG	0	\$2,980,	05/08/03	
NA03NMF436	Columbia River Chinook	Yakama	0	\$170,92	05/14/03	
NA03NMF436	Irrigation Diversion Screens and	WDFW	0	\$215,00	05/19/03	6/20/03
NA03NMF436	Mitchell Act Hatchery O&M	WDFW	0	\$4,961,	05/21/03	6/13/03
	(Mod for ME&R Projects) ²		1	\$565,00	8/04/03	
NA03NMF436	Mitchell Act Hatchery O&M	ODFW	0	\$4,030,	06/24/03	
	(Mod for ME&R Projects) ³		1	\$524,23	8/06/03	
NA03NMF436	Irrigation Diversion Screens and	ODFW	0	\$1,714,	06/23/03	

¹ Does not include the Intergovernmental Agreement covering the US Fish and Wildlife Service's Mitchell Act Hatchery Funding of \$3,492,272 that was signed in WASC on 06/10/03.

² Requested end date for the Cooperative Agreement is already 09/30/04 so a time extension will not be required.

³ Requested end date for the Cooperative Agreement is already 09/30/04 so a time extension will not be required.

Three issues over the Mitchell Act administration that could come up at the Seattle PFMC Meeting

FY 2003 Funding:

- * Washington Department of Fish and Wildlife has already written to the Admiral concerning the timeliness of the provision of Mitchell Act funds for FY 2003. Oregon Department of Fish and Wildlife, Idaho Department of Fish and Game, and the Yakama Tribe are likely to follow suit citing similar delays in receiving their FY 2003 allocations. Even though the fiscal year began on October 1, 2002, they have had to cover costs incurred to-date with their own funds and are waiting to be reimbursed when a Cooperative Agreement is signed. Currently, only the Washington Department of Fish and Wildlife and the US Fish and Wildlife Service have received their FY 2003 Mitchell Act funding.
- * Because the FY 2003 budget was not signed until February 2003 and the final allocation to the NW Region didn't occur until April 2003, Cooperative Agreement applications weren't submitted to Grants Management Division until May-June, 2003.

FY 2004 Funding:

At a Pacific Fisheries Management Council (PFMC) meeting last year, we were asked why NOAA Fisheries does not ask for enough funding to at least maintain status quo programs. That will come up again this week at the PFMC meeting in Seattle.

	FY 2003 Budget		President's FY 2004 Budget Request		House FY 2004 Mark		Senate FY 2004 Mark (not confirmed)	
Columbia R. Hatcheries	\$11.457	M	\$11.457	M	\$12.000	M	\$11.085	M
ME&R	\$1.700	M	\$1.700	M	\$1.700	M	\$1.700	M
Columbia R. Facilities	\$3.365	M	\$3.365	M				
Marking	\$1.100	M						
Total	\$17.622	M	\$16.522	M	\$13.700	M	\$12.785	M

- * Five hatchery programs closed in 1995 and 30 million fewer fish were stocked into the Columbia Basin because funding has not kept up with the cost of living.
- * For 2004, level funding means more hatchery closures beginning next month.
- * The House and potentially the Senate marks do not include the facilities line item. This money has funded the irrigation screening and fishway programs. Cutting those programs would have an immediate and significant impact on Endangered Species Act (ESA) listed salmon. If the reductions were taken out of the hatchery program, that would mean the closure of 6-9 of the 18 hatcheries currently operating having a major impact on sports, commercial, and Tribal fisheries.
- * Funding to mark fish to support selective fisheries and to protect ESA listed fish is not included in the President's budget or in the House and Senate marks. Fewer fish will be stocked to pay for marking.

Bottom up budgeting: A process was initiated at Bob Lohn's direction to develop a bottom up budget for the CRFDP. Currently the budget is top down. We are told what is available and the

agencies submit requests based on available funds. At the meetings that have been held, the cooperating agencies have estimated their real needs to support the current CRFDP programs. These estimates include not only current O&M but also needed maintenance and up grades to facilities, monitoring and evaluation activities, and tasks relating to implementation of ESA Hatchery and Genetic Management Plans. The table in draft from is attached. It has not been given to Bob Lohn yet. It is being distributed at the PFMC meeting for final comments from the cooperating agencies and then will be presented to Bob Lohn.

Points of Contact-

R.Z. Smith, CRFDP Director (503) 231-2009 or
Rob Jones, Branch Chief (503) 230-5427

Mitchell Act Program Update:

I would like to express to NMFS some concern the Washington Coastal Tribes have with the Mitchell Act budget situation and possible reductions in production for 2004. As you know the Coastal tribes fish on the Columbia River Hatchery fish in the Treaty Troll fishery. A reduction in these hatchery fish could have a significant effect on the Tribes troll fishery.

The Washington Coastal Tribes recognize the Columbia River Tribes are participating in discussions on Mitchell Act funding issues and support their role in the decision making process among the agencies that produce these fish. However, the Washington Coastal tribes are concerned about the potential impact of reductions in this program on their fishery and would like NMFS to consult with them, keep them informed, and to include them in any future meetings on hatchery closures or hatchery reductions.

RECOMMENDATION:

The Coastal Tribes would also encourage NMFS to look at making cuts in non-production activities funded with Mitchell Act monies before making any decisions on shutting down hatcheries or cutting fish production.

Thank-you

TABLE F.1-1. Sequence of events in ocean salmon fishery management through August 15, 2003^{a/} (Page 1 of 5)

GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES

Mar. 7	National Marine Fisheries Service (NMFS) provides the Council with a letter outlining the 2003 management guidance for stocks listed under the Endangered Species Act (ESA).
Mar. 14	Council adopts three troll and three recreational ocean salmon fishery management options for public review.
Mar. 20-21	North of Cape Falcon Salmon Forum meets in Olympia, Washington to initiate consideration of recommendations for treaty Indian and non-Indian salmon management options.
Mar. 31-Apr. 1	Council holds public hearings on proposed 2003 management options in three locations within the three Pacific Coast states.
Apr. 2-3	North of Cape Falcon Salmon Forum meets in Seattle, Washington to further consider recommendations for treaty Indian and non-Indian salmon management options.
Apr. 10	Council adopts final ocean salmon fishery management recommendations for approval and implementation by the U.S. Secretary of Commerce. The proposed measures include selective fisheries and comply with the salmon fishery management plan (FMP) and the current biological opinions for listed species. An emergency rule is not required for implementation.
May 6	Ocean salmon seasons implemented as recommended by the Council and published in the <i>Federal Register</i> on May 6 (68 FR 23913) and May 19 (FR 68 FR 27004).
June 5	NMFS inseason conference number one results in closure of the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery effective midnight, June 6, 2003 as the 40,000 chinook quota was approached, and the preseason intent to reserve at least 800 chinook for the June 26-30 opening was in jeopardy.
July 18	NMFS inseason conference number two results in opening of the Cape Falcon to Queets River recreational salmon fishery seven days per week, effective July 25.
Aug. 14	NMFS inseason conference number three results in closure of the Cape Falcon to Humbug Mt. selective recreational coho fishery effective August 19, 2003 as the quota of 88,000 adipose fin clipped coho was projected to have been met.

NON-INDIAN COMMERCIAL TROLL SEASONS

Mar. 15	<p>Cape Falcon to Florence south jetty, non-Indian commercial all-salmon-except-coho fishery opens through July 16. The fishery reopens August 1 through 19 and September 1 through October 31.</p> <p>Florence south jetty to Humbug Mt., non-Indian commercial all-salmon-except-coho fishery opens through June 30. The fishery reopens July 17 through 31; August 11 through 29; and September 1 through October 31.</p> <p>Humbug Mt. to Oregon/California border, non-Indian commercial all-salmon-except-coho fishery opens through May 31. The fishery is scheduled to reopen June 1 through the earlier of June 30 or a 2,500 chinook quota; reopen again July 1 through the earlier of July 31 or a 1,200 chinook quota, reopen again August 1 through the earlier of August 29 or a 2,500 chinook quota, and reopen again September 1 through the earlier of September 30 or a 3,000 chinook quota.</p>
May 1	<p>U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery opens through the earlier of June 30 or a 40,000 chinook quota.</p> <p>Horse Mt. to Pt. Arena, non-Indian commercial all-salmon-except-coho fishery opens through May 31. The fishery reopens July 3 through 14; and July 18 through September 30.</p> <p>Pt. Arena to U.S./Mexico border, non-Indian commercial all-salmon-except-coho fishery opens through September 30.</p>

TABLE F.1-1. Sequence of events in ocean salmon fishery management through August 15, 2003^{a/} (Page 2 of 5)

NON-INDIAN COMMERCIAL TROLL SEASONS, (continued)

May 31	<p>Humbug Mt. to Oregon/California border, non-Indian commercial all-salmon-except-coho fishery closes. The fishery is scheduled to reopen June 1 through the earlier of June 30 or a 2,500 chinook quota; reopen again July 1 through the earlier of July 31 or a 1,200 chinook quota, reopen again August 1 through the earlier of August 29 or a 2,500 chinook quota, and reopen again September 1 through the earlier of September 30 or a 3,000 chinook quota.</p> <p>Horse Mt. to Pt. Arena, non-Indian commercial all-salmon-except-coho fishery closes. The fishery reopens July 3 through 14; and July 18 through September 30.</p>
June 1	Humbug Mt. to Oregon/California border, non-Indian commercial all-salmon-except-coho fishery reopens through the earlier of June 30 or a 2,500 chinook quota.
June 20	The U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery closes as the 40,000 chinook quota was approached. The fishery is scheduled to reopen June 26-30 if at least 800 chinook remain on the quota.
June 26	U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery opens through the earlier of June 30 or a 40,000 chinook quota, with a 50 fish per vessel landing limit for the five day open period.
June 30	<p>Florence South Jetty to Humbug Mt., non-Indian commercial all-salmon-except-coho fishery closes. The fishery reopens July 17 through 31; August 11 through 29; and September 1 through October 31.</p> <p>The Humbug Mt. to Oregon/California border, non-Indian commercial all-salmon-except-coho fishery closes as scheduled. The fishery is scheduled to reopen July 1 through the earlier of July 31 or a 1,200 chinook quota, reopen again August 1 through the earlier of August 29 or a 2,500 chinook quota, and reopen again September 1 through the earlier of September 30 or a 3,000 chinook quota.</p>
July 1	Humbug Mt. to Oregon/California border, all-salmon-except-coho fishery reopens through the earlier of July 29 or a 1,200 chinook quota.
July 3	<p>U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery opens through the earlier of September 14 or a 24,400 chinook guideline or a 75,000 coho quota; the fishery is open Thursday through Monday with a 75 chinook landing limit per vessel for July 3 through 7 and a 150 chinook landing limit per vessel for subsequent five-day open periods. All coho must have a healed adipose fin clip.</p> <p>Horse Mt. to Pt. Arena, non-Indian commercial all-salmon-except-coho fishery opens through July 14 with a 150 fish per day per vessel landing limit, and a requirement that all fish must be landed within the area and within 24 hours of any closure.</p>
July 14	Horse Mt. to Point Arena, non-Indian commercial all-salmon-except-coho fishery closes. The fishery reopens July 18 through September 30.
July 16	Cape Falcon to Florence south jetty, non-Indian commercial all-salmon-except-coho fishery closes. The fishery reopens August 1 through 19 and September 1 through October 31
July 17	Florence south jetty to Humbug Mt., Oregon, all-salmon-except-coho fishery opens through July 31.
July 18	Horse Mt. to Point Arena, non-Indian commercial all-salmon-except-coho fishery opens through September 30 with no special landing limit or area restrictions.
July 31	<p>Florence south jetty to Humbug Mt., Oregon, all-salmon-except-coho fishery closes. The fishery reopens August 11 through 29; and September 1 through October 31.</p> <p>Scheduled closure of the Humbug Mt. to Oregon/California border, non-Indian commercial all-salmon-except-coho fishery.</p>

TABLE F.1-1. Sequence of events in ocean salmon fishery management through August 15, 2003^{a/} (Page 3 of 5)

NON-INDIAN COMMERCIAL TROLL SEASONS, (continued)

Aug. 1	Cape Falcon to Florence south jetty, non-Indian commercial all-salmon-except-coho fishery opens through August 19. Humbug Mt. to Oregon/California, border non-Indian commercial all-salmon-except-coho fishery reopens through the earlier of August 29 or a 2,500 chinook quota.
Aug. 19	Cape Falcon to Florence south jetty, non-Indian commercial all-salmon-except-coho fishery closes. The fishery reopens September 1 through October 31.
Aug. 29	Florence south jetty to Humbug Mt., non-Indian commercial all-salmon-except-coho fishery closes for two days. The fishery reopens September 1 through October 31. Scheduled closure of the Humbug Mt. to Oregon/California border, non-Indian commercial all-salmon-except-coho fishery. The fishery reopens September 1 through the earlier of September 30 or a 3,000 chinook quota.
Sep. 1	Cape Falcon to Florence south jetty, non-Indian commercial all-salmon-except-coho fishery reopens through October 31. Florence south jetty to Humbug Mt., non-Indian commercial all-salmon-except-coho fishery reopens through October 31. Humbug Mt. to Oregon/California, border non-Indian commercial all-salmon-except-coho fishery reopens through the earlier of September 30 or a 3,000 chinook quota with a 28 inch minimum size limit. Oregon/California border to Humboldt south jetty, non-Indian commercial all-salmon-except-coho fishery opens through the earlier of September 30 or a quota of 10,000 chinook.
Sep. 14	Scheduled closure of the U.S./Canada border to Cape Falcon, non-Indian commercial salmon fishery.
Sep. 30	Scheduled closure of the Humbug Mt. to Oregon/California border, non-Indian commercial fishery. Scheduled closure of the Oregon/California border to Humboldt south jetty, non-Indian commercial fishery. Horse Mt. to Pt. Arena, non-Indian commercial all-salmon-except-coho fishery closes. Pt. Arena to U.S./Mexico border, non-Indian commercial all-salmon-except-coho fishery closes.
Oct. 1	Pt. Reyes to Pt. San Pedro, non-Indian commercial all-salmon-except-coho fishery opens Monday to Friday through October 17.
Oct. 17	Pt. Reyes to Pt. San Pedro, non-Indian commercial all-salmon-except-coho fishery closes.
Oct. 31	Cape Falcon to Florence south jetty non-Indian commercial all-salmon-except-coho fishery closes. Florence south jetty to Humbug Mt., non-Indian commercial all-salmon-except-coho fishery closes.

TABLE F.1-1. Sequence of events in ocean salmon fishery management through August 15, 2003^{a/} (Page 4 of 5)

TREATY INDIAN COMMERCIAL TROLL SEASONS

May 1	All-salmon-except-coho fisheries open through the earlier of June 30 or a 30,000 chinook quota for the May through June season (any remainder of the quota is not transferable to the July 1 through September 15 season).
June 30	All-salmon-except-coho fisheries close as scheduled.
July 1	All-salmon fisheries open through the earlier of September 15, a 30,000 chinook quota, or a 90,000 coho quota.
Sep. 15	All-salmon commercial fisheries close.

RECREATIONAL SEASONS

Feb. 15	Horse Mt. to Pt. Arena, all-salmon-except-coho fishery opens through November 16.
Mar. 15	Cape Falcon to Humbug Mt., all-salmon-except-coho fishery opens through October 31. The fishery allows retention of adipose fin clipped coho beginning June 21 through the earlier of August 24 or a 88,000 coho quota, then reverts back to all-salmon-except-coho for the remainder of the season.
Mar. 29	Pigeon Pt. to the U.S./Mexico border, all-salmon-except-coho fishery opens through September 28.
Apr. 12	Point Arena to Pigeon Pt., all-salmon-except-coho fishery opens through November 9.
May 17	Humbug Mt. to Horse Mt., all-salmon-except-coho fishery opens through September 14.
June 21	Cape Falcon to Humbug Mt., all-salmon selective coho fishery opens seven days per week through the earlier of August 24 or a quota of 88,000 coho; all coho must have a healed adipose fin clip. The fishery reopens for all-salmon-except-coho the earlier of August 25 or the attainment of the coho quota, through October 31.
June 22	U.S./Canada border to Cape Alava, all-salmon fishery opens seven days per week through the earlier of September 14, a 3,900 chinook guideline, or a 23,400 coho quota. Daily-bag-limit is two fish, only one of which can be a chinook, plus one additional pink salmon; all coho must have a healed adipose fin clip. Cape Alava to Queets River, all-salmon fishery opens seven days per week though the earlier of September 8, a 2,300 chinook guideline, or a 5,750 coho quota. Daily-bag-limit is two fish, only one of which can be a chinook, plus one additional pink salmon; all coho must have a healed adipose fin clip. Queets River to Leadbetter Pt., all-salmon fishery opens though the earlier of September 14, a 40,600 chinook guideline, or a 83,250 coho quota. Fishery runs Sunday to Thursday through July 25, then seven days per week thereafter. Daily-bag-limit is two fish, only one of which can be a chinook; all coho must have a healed adipose fin clip.
June 29	Leadbetter Pt. to Cape Falcon, all-salmon fishery opens though the earlier of September 30, a 12,700 chinook guideline, or a 112,500 coho quota. Fishery runs Sunday to Thursday through July 24, then seven days per week thereafter. Daily-bag-limit is two fish, only one of which can be a chinook; all coho must have a healed adipose fin clip. Closed between Tillamook Head and Cape Falcon beginning August 1.
Aug. 18	Cape Falcon to Humbug Mt., all-salmon selective coho fishery closes as the 88,000 coho quota is reached.
Aug. 19	Cape Falcon to Humbug Mt., all-salmon-except-coho fishery reopens through October 31.

TABLE F.1-1. Sequence of events in ocean salmon fishery management through August 15, 2003^{a/} (Page 5 of 5)

RECREATIONAL SEASONS, (continued)

Sep. 8	Scheduled closure of the U.S./Canada border to Cape Alava, all-salmon selective coho fishery. Scheduled closure of the Cape Alava to Queets River, all-salmon selective coho fishery. Scheduled closure of the Queets River to Leadbetter Point, all-salmon selective coho fishery.
Sep. 14	Humbug Mt. to Horse Mt., all-salmon-except-coho fishery closes.
Sep. 20	La Push area (Teahwhit Head to "Q" buoy to Cake Rock east to the shoreline), all-salmon selective coho fishery reopens through the earlier of October 5, a 100 chinook guideline, or a 100 coho quota.
Sep. 28	Pigeon Pt. to U.S./Mexico border, all-salmon-except-coho fishery closes.
Sep. 30	Scheduled closure of the Leadbetter Pt. to Cape Falcon, all-salmon selective coho fishery
Oct. 5	Scheduled closure of the La Push area, all-salmon selective coho fishery.
Oct. 31	Cape Falcon to Humbug Mt., all-salmon-except-coho fishery closes.
Nov. 9	Pt. Arena to Pigeon Pt., all-salmon-except-coho fishery closes.
Nov. 16	Horse Mt. to Pt. Arena, all-salmon-except-coho fishery closes.

a/ Unless stated otherwise, season openings or modifications of restrictions are effective at 0001 hours of the listed date. Closures are effective at midnight.

SALMON FISHERY UPDATE

Situation: A summary of the management events for the 2003 salmon season (updated through August 15) is contained in Attachment 1. Through August 15, there have been three inseason management conferences to adjust fisheries. The first conference closed the commercial troll fishery north of Cape Falcon effective June 6. The second conference allowed fishing seven days per week in the recreational fishery between Cape Falcon and the Queets River effective July 25. The third conference call ended retention of coho in the Cape Falcon to Humbug Mt. recreational fishery effective August 19.

Mr. Dell Simmons, Chair of the Salmon Technical Team (STT), will provide detailed effort and harvest data for salmon fisheries through the end of August in his report to the Council (Exhibit F.1.a, Supplemental STT Report).

Council Task:

- 1. Discuss issues relevant to inseason management of salmon fisheries.**

Reference Materials:

1. Table F.1-1. Sequence of Events in Ocean Salmon Fishery Management through August 15, 2003 (Exhibit F.1, Attachment 1).
2. Status Report of the 2003 Ocean Salmon Fisheries off Washington, Oregon, and California (Exhibit F.1.a, Supplemental STT Report).

Agenda Order:

- a. Salmon Technical Team Report
- b. Reports and Comments of Advisory Bodies
- c. Public Comment
- d. Council Discussion

Dell Simmons

PFMC
08/26/03

STATUS REPORT OF THE 2003 OCEAN SALMON FISHERIES OFF WASHINGTON, OREGON, and CALIFORNIA.

Preliminary Data Through August 31, 2003.

Fishery and Area	Season Dates	Effort Days fished	CHINOOK			COHO		
			Catch	Quota	Percent	Catch	Quota	Percent
a/ TROLL								
b/ Treaty Indian	5/1-6/30	143	15,657	30,000	52%		Non-Retention	
	7/1-9/15	138	17,585	30,000	59%	8,392	90,000	9%
c/ Non-Indian North of Falcon	5/1-6/30	762	35,920	40,000	90%		Non-Retention	
	6/26-6/30	96	1,024	800			Non-Retention	
	7/3-9/14	1,179	30,644	32,400	95%	11,236	75,000	15%
Cape Falcon-Florence S. Jetty	3/15-7/16	3,210	82,377	None	NA		Non-Retention	
	8/1-8/19	793	24,433	None	NA		Non-Retention	
	9/1-10/31			None	NA		Non-Retention	
Florence S. Jetty - Humbug Mt.	3/15-6/30	3,279	95,553	None	NA		Non-Retention	
	7/17-7/31	199	4,785	None	NA		Non-Retention	
	8/11-8/29	128	2,643	None	NA		Non-Retention	
	9/1-10/31			None	NA		Non-Retention	
Humbug Mtn-OR/CA Border	3/15-5/31	53	649	None	NA		Non-Retention	
	6/1-6/30	71	515	2,500	21%		Non-Retention	
	7/1-7/31	99	1,061	1,200	88%		Non-Retention	
	8/1-8/29	84	821	2,500	33%		Non-Retention	
	9/1-9/30			3,000	0%		Non-Retention	
OR/CA Border -Humboldt S. Jetty	9/1-9/30			10,000	0%		Non-Retention	
Horse Mtn-Pt. Arena	5/1-5/31	620	31,750	None	NA		Non-Retention	
	7/3-7/14	540	35,640	None	NA		Non-Retention	
	7/18-9/30	1,543	106,220	None	NA		Non-Retention	
Pt.Arena - Pigeon Pt.	5/1-9/30	3,360	182,410	None	NA		Non-Retention	
Pt. Reyes - Pt. San Pedro	10/1-3-6-10,13-17						Non-Retention	
Pigeon Pt.-US/Mexico Border	5/1-9/30	1,900	33,200	None	NA		Non-Retention	

Fishery and Area	Season Dates	Effort Angler Days	CHINOOK			COHO		
			Catch	Quota	Percent	Catch	Quota	Percent
a/ RECREATIONAL								
c/ US/Canada Border-Cape Alava	6/22-9/14	19,701	4,772	3,900	122%	18,976	23,400	81%
b/ Cape Alava-Queets River	6/22-9/14	3,650	1,734	2,300	75%	3,259	5,750	57%
	9/20-10/5			100	0%		100	0%
b/ Queets River-Leadbetter Pt.	6/22-9/14	43,405	20,032	40,600	49%	34,949	83,250	42%
b/ Leadbetter Pt.-Cape Falcon	6/29-9/30	59,973	7,024	12,700	55%	93,636	112,500	83%
Cape Falcon-Humbug Mtn	3/15-10/31	8,051	3,150	None	NA		Non-Retention	
	6/21-8/24	90,190	24,400	None	NA	83,760	88,000	95%
Humbug Mtn-Horse Mtn	5/17-9/14	24,979	11,592	None	NA		Non-Retention	
Horse Mtn-Pt. Arena	2/15-11/16	22,470	15,480	None	NA		Non-Retention	
Pt. Arena-Pigeon Pt.	4/12-11/9	57,490	52,050	None	NA		Non-Retention	
Pigeon Pt.-US/Mexico Border	3/29-9/28	26,380	11,820	None	NA		Non-Retention	

TOTALS TO DATE	Effort			Chinook Catch			Coho Catch		
	2003	2002	2001	2003	2002	2001	2003	2002	2001
TROLL									
Treaty Indian	281	286	540	33,242	35,997	25,406	8,392	8,145	36,769
Washington Non-Treaty	1,103	1,338	714	54,914	53,819	20,852	7,261	180	4,984
Oregon	8,276	7,700	8,700	222,719	157,800	225,900	3,975	1,500	7,300
California	7,963	14,800	10,900	389,220	362,400	161,800	0	0	0
Total Troll	17,623	24,124	20,854	700,095	610,016	433,958	19,628	9,825	49,053
RECREATIONAL									
Washington	110,662	85,300	107,800	31,594	57,576	21,409	125,707	61,957	143,089
Oregon	124,559	76,500	106,700	32,799	36,200	23,200	108,332	35,300	90,500
California	120,620	195,100	142,400	87,710	173,900	86,100	0	0	0
Total Recreational	355,841	356,900	356,900	152,103	267,676	130,709	234,039	97,257	233,589
PFMC Total	N/A	N/A	N/A	852,198	877,692	564,667	253,667	107,082	282,642

a/ All non-Treaty coho fisheries are mark selective

b/ Treaty troll effort is reported as landings.

c/ Numbers shown as chinook quotas for non-Indian troll and recreational fisheries North of Falcon are guidelines rather than quotas.

Only the total chinook allowable catch is a quota.

Subject: Salmon Meth. Review**Date:** Tue, 12 Aug 2003 11:55:40 -0700**From:** Chuck Tracy <Chuck.Tracy@mercury.akctr.noaa.gov>

To: Henry Yuen <henry_yuen@fws.gov>, Doug Milward <Milwadam@dfw.wa.gov>, Dell Simmons <Dell.Simmons@noaa.gov>, Robert Kope <Robert.Kope@noaa.gov>, Gary Morishima <Morikog@aol.com>, Michael Mohr <Michael.Mohr@noaa.gov>, Chuck Tracy <Chuck.Tracy@noaa.gov>, Curt Melcher <Curt.Melcher@state.or.us>, Wendy Beeghley <BEEGHWLB@dfw.wa.gov>, Melodie Palmer-Zwahlen <mpalmer@dfg.ca.gov>, Allen Grover <agrover@dfg.ca.gov>, Craig Foster <Craig.A.Foster@state.or.us>, Henry Yuen <henry_yuen@fws.gov>, Dell Simmons <Dell.Simmons@noaa.gov>, Curt Melcher <Curt.Melcher@state.or.us>, "Robert H. Conrad" <bconrad@nwifc.wa.gov>, Larrie LaVoy <LaVoyLWL@dfw.wa.gov>, Jim Packer <PackerJFP@dfw.wa.gov>, Allen Grover <agrover@dfg.ca.gov>, Andy Rankis <ARankis@nwifc.org>, Rishi Sharma <shar@critfc.org>, Alan Byrne <abyrne@idfg.state.id.us>, Kevin Hill <khill@ucsd.edu>, Peter Lawson <Peter.W.Lawson@noaa.gov>, "Robert H. Conrad" <bconrad@nwifc.wa.gov>, Shijie Zhou <shijie.zhou@state.or.us>, Phil Anderson <anderpma@dfw.wa.gov>, Neal Coenen <neal.coenen@state.or.us>, Eric Larson <elarson@dfg.ca.gov>

Greetings all:

This is just a reminder that the Council will be establishing priorities for salmon methodology review by the SSC at the September Council meeting. The review itself usually occurs in mid- to late October.

A prioritized list of potential subjects was considered at the April Council Meeting (see below), and it will be useful to have updates on the priorities and whether some of the projects are suitably complete for review.

It is unlikely that the SSC will have time to review all the subjects this year, or that all will be ready for review. Please discuss these projects with appropriate parties and have recommendations ready for the September meeting.

1. Chinook and coho FRAM documentation: documentation of the chinook and coho FRAMs will be one of the first tasks of the new Model Evaluation Workgroup (MEW).
2. Coho FRAM fisheries for Canadian stocks: the Coho Technical Committee of the Pacific Salmon Commission (PSC) is modifying the coho FRAM to add fishery and stock strata for Canadian management.
3. Chinook FRAM for mark-selective fisheries: the Washington Department of Fish and Wildlife modified the chinook FRAM to accommodate mark-selective fisheries.
4. Columbia River Fall chinook ocean abundance predictors: there has been some preliminary work on producing ocean run-size predictors for these stocks.
5. Oregon Department of Fish and Wildlife management plan for Lower Columbia River coho salmon: the draft plan needs data cleanup and method improvements.
6. Oregon Coastal Natural (OCN) coho salmon prediction methodology: new predictors are under development.

Thanks.

--

Chuck Tracy

Pacific Fishery Management Council
7700 NE Ambassador Avenue, Suite 200
Portland, Oregon 97220
Phone: 503-820-2280 or toll free 866-806-7204
Fax: 503-820-2299
e-mail: Chuck.Tracy@noaa.gov
url: www.pcouncil.org
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SALMON METHODOLOGY REVIEW: FINAL PRIORITIZATION OF MODELING
ISSUES FOR SCIENTIFIC AND STATISTICAL COMMITTEE

Situation: Each year, the Scientific and Statistical Committee (SSC) completes a methodology review to help assure new or significantly modified methodologies employed to estimate impacts of the Council's salmon management use the best available science. This review is preparatory to the Council's adoption, at the November meeting, of all proposed changes to be implemented in the coming season, or, in certain limited cases, of providing directions for handling any unresolved methodology problems prior to the formulation of salmon management options the following March. Because there is insufficient time to review new or modified methods at the March meeting, the Council may reject their use if they have not been approved the preceding November.

At its April 2003 meeting, the Council identified a list of potential subjects for the methodology review. These subjects are identified in a reminder letter sent out to the responsible agencies in August 2003, which requests agencies be prepared to speak to the status of the subjects in terms of completeness and priority (Exhibit F.2, Attachment 1). All materials for review are to be received at the Council office at least three weeks prior to the scheduled review meeting of the SSC Salmon Subcommittee, which is likely to be in mid- to late-October.

Council Action:

1. Determine whether or not it is likely methodologies identified for review will be ready for the SSC salmon subcommittee meeting in October.
2. Set priorities for SSC review of methodologies.

Reference Materials:

1. Email to the agencies from Chuck Tracy dated August 12, 2003 (Exhibit F.2, Attachment 1).

Agenda Order:

- | | |
|--|--------------|
| a. Agendum Overview | Chuck Tracy |
| b. Agency and Tribal Reports and Comments | |
| c. Model Evaluation Workgroup Report | Dell Simmons |
| d. Reports and Comments of Advisory Bodies | |
| e. Public Comment | |
| f. Council Action: Establish Final Prioritization and Schedule for Review of Salmon Methodology Changes for the 2004 Season | |

PPMC
08/19/03

PACIFIC FISHERY MANAGEMENT COUNCIL

7700 NE Ambassador Place, Suite 200
Portland, Oregon 97220-1384

CHAIRMAN
Hans Radtke

EXECUTIVE DIRECTOR
Donald O. McIsaac

Telephone: 503-820-2280
Fax: 503-820-2299
www.pcouncil.org

July 3, 2003

Mr. Randy Fisher, Executive Director
Pacific States Marine Fisheries Commission
45 SE 82nd Drive, Suite 100
Gladstone, OR 97027-2522

Dear Randy:

At its June meeting, the Pacific Fishery Management Council (Council) received a report from National Marine Fisheries Service (NMFS) on the status of Mitchell Act funding. The President's Fiscal Year (FY) 2004 budget once again maintains level funding for Mitchell Act programs, which will necessitate closing of facilities or termination of programs. The Council discussed the apparency that a budget supplement for FY 2004 will be necessary to maintain Mitchell Act programs in the short-term, and the problem of chronic level funding must be addressed in order to preserve these programs in the long-term.

The Council discussed how a two-step process, occurring in the near future, might best address Mitchell Act funding problems. The first step would be to facilitate a meeting of agency technical personnel to develop a bottom up budget for Mitchell Act facilities and programs that would support full program needs. The second step would be to facilitate a meeting of state and tribal policy representatives and stakeholders to develop a consensus strategy for communicating the needs and benefits of Mitchell Act programs to Congress, Presidential advisors, and the upper level Administrators within NOAA and the Department of Commerce.

The Council also felt that the Pacific States Marine Fisheries Commission (Commission) would be the agency with the best chance of successfully executing this strategy. Therefore, we ask that the Commission consider sponsoring these two meetings and acting as the primary facilitator in this effort. It would be advantageous to schedule the two meetings this summer so that the message conceivably might affect the FY 2004 budget. Mr. RZ Smith is coordinating budget development for NMFS and is the appropriate contact for recommending participants in the first meeting. He is aware of the possibility of such a meeting this summer and is prepared to provide the necessary materials for this meeting. The Council also recommends the Commission coordinate the participants in the second meeting, as well as provide guidance on various approaches toward achieving the goal of effectively communicating consensus recommendations. Council members from Oregon and Washington or their designees have expressed strong intent to meaningfully participate in this second meeting and the process that may emanate from it.

Dr. Randy Fisher
July 3, 2003
Page 2

Thank you for your consideration of this important issue. Please contact me or Chuck Tracy of my staff if you would like to discuss the matter further or if you have questions.

Sincerely



D. O. McIsaac, Ph.D.
Executive Director

CAT: rdd

c: Council Members
Salmon Advisory Subpanel
Salmon Technical Team
Mr. Rob Jones, National Marine Fisheries Service
Mr. RZ Smith, National Marine Fisheries Service
Mr. Olney Patt Jr., Columbia River Inter-Tribal Fish Commission
Ms. Liz Hamilton, Northwest Sportfishing Industry Association
Mr. Bruce Buckmaster, Salmon for All
Dr. John Coon
Mr. Chuck Tracy
Mr. Dan Waldeck
Mr. Jim Seger
Mr. Ed Waters



Exhibit F.3
Attachment 2
September 2003

PACIFIC STATES MARINE FISHERIES COMMISSION

45 S.E. 82ND DRIVE, SUITE 100, GLADSTONE, OREGON 97027-2522
PHONE (503) 650-5400 FAX (503) 650-5426

July 17, 2003

Dr. Don O. McIsaac, Ph.D
Executive Director
Pacific Fishery Management Council
7700 NE Ambassador Place, Suite 200
Portland, Oregon 97220

Dear Don:

Shortly after receiving your letter of July 3, 2003, I contacted RZ Smith and had a number of discussions concerning a Technical and Strategy Meeting concerning Mitchell Act Hatcheries.

Based on these discussions we are proposing to have a Technical "bottom-up" Funding Meeting the last week of July or the first week of August. RZ Smith will be taking the lead to put this meeting together. I will take the lead in putting together a strategy meeting. We will be looking at the later part of August.

I realize this may be short notice, but if we are to have any input into 2004 appropriations we must move quickly.

As soon as we have firmed up a date and time for these meetings, we ill provide you with that information.

Sincerely,

Randy Fisher
Executive Director
Pacific States Marine Fisheries Commission

cc: Pacific Fishery Management Council Members
PFMC Salmon Advisory Subpanel
PFMC Salmon Technical Team
Liz Hamilton, NWSIA
Dr. John Coon, Chuck Tracy, Dan Waldeck, Jim Seger, Ed Waters - PFMC

Rob Jones, NOAA
RZ Smith NOAA
Olney Patt, Jr. CRITFC
Bruce Buckmaster, Salmon for All

RECEIVED

JUL 18 2003

PFMC

FOR YOUR INFORMATION

JUL-28-2003 11:16



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
525 NE Oregon Street
PORTLAND, OREGON 97232-2737

July 25, 2003

Dan Diggs
Fishery Resources
U.S. Fish and Wildlife Service
911 NE 11th Ave
Portland, OR 97232

RECEIVED

JUL 27 2003

PFMC

Dear Mr. Diggs:

I have scheduled a meeting on August 13, 2003 to identify and develop a final annual operating financial plan for all aspects of the Mitchell Act program. The meeting will be held in the NOAA Fisheries first floor conference room in Portland and is set to run from 10 AM to 2PM. This will be an open meeting but, I am especially interested in having representatives from the U.S. Fish and Wildlife Service (USFWS), the state fisheries agencies, and the Tribes that have programmatic knowledge and budgetary background relating to Mitchell Act hatchery, screen, and fish passage programs in attendance.

The primary purpose of this meeting is to arrive at a consensus on what the Mitchell Act budget needs are to address all current programs, increased Tribal involvement, and requirements for hatchery reform that may come out of ongoing Endangered Species Act consultations and the Hatchery and Genetic Management Plan review process.

This information will also be provided to the Pacific Fisheries Management Council (Council) and the Pacific States Marine Fisheries Commission (PSMFC) as was requested at the June Council meeting in California. The Council set a letter (copy attached) to Mr. Randy Fisher, Executive Director of the PSMFC requesting that the PSMFC facilitate a meeting of state and tribal policy representatives and stakeholders to develop a consensus strategy for communicating the needs and benefits of Mitchell Act programs. The date for this meeting has not been set yet but should occur in late August or early September. An announcement will be forthcoming from PSMFC. The work product from the August 13th meeting will be the foundation for the discussion at this second meeting.

When meetings on the Mitchell Act budget needs were held last year, an initial estimate of funding needs (copy attached) identified was developed that divided the program into eight categories of expenditures. At this year's meeting, I am asking the parties to review last year's work product for accuracy and to suggest needed changes. I am also looking for more detailed input, especially from the Tribes, on each of the categories. We also need to define the individual Tribal projects rather than just summarizing Tribal needs as a single entry as occurred last year.

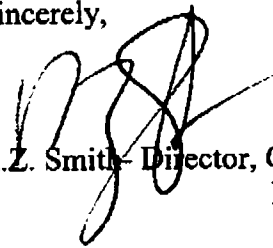
As an example of how to handle maintenance needs on a yearly basis, I have attached copies of

the tables I used last year to estimate maintenance needs for Oregon Department of Fish and Wildlife Hatcheries (ODFW). ODFW prepared a maintenance needs list last year for the hatchery programs and I took a first shot at reorganizing the list into a priority order and spread out over a 5-year time frame. I am asking ODFW to review what I did and for the USFWS, the other state agencies, and Tribes to develop similar information. We need to develop similar estimates for the other Mitchell Act Program categories, based on the same 5-year time frame.

In order to have a work product ready for the PSMFC meeting, it is essential that the USFWS, state, and Tribal representatives review and update the attached tables and come to the meeting prepared to discuss, define, and reach consensus on program needs. I am available to answer questions that might come up prior to the meeting at 503-231-2009 or by e-mail at rz.smith@noaa.gov.

Thank you in advance for your participation.

Sincerely,



R.Z. Smith - Director, Columbia River Fisheries
Development Program

Attachments

cc: R. Johnson, L. Hillwig

PACIFIC FISHERY MANAGEMENT COUNCIL

7700 NE Ambassador Place, Suite 200
Portland, Oregon 97220-1384

Telephone: 503-820-2280
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CHAIRMAN
Hans Radtke

EXECUTIVE DIRECTOR
Donald O. McIsaac

July 3, 2003

Mr. Randy Fisher, Executive Director
Pacific States Marine Fisheries Commission
45 SE 82nd Drive, Suite 100
Gladstone, OR 97027-2522

Dear Randy:

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The Council discussed how a two-step process, occurring in the near future, might best address Mitchell Act funding problems. The first step would be to facilitate a meeting of agency technical personnel to develop a bottom up budget for Mitchell Act facilities and programs that would support full program needs. The second step would be to facilitate a meeting of state and tribal policy representatives and stakeholders to develop a consensus strategy for communicating the needs and benefits of Mitchell Act programs to Congress, Presidential advisors, and the upper level Administrators within NOAA and the Department of Commerce.

The Council also felt that the Pacific States Marine Fisheries Commission (Commission) would be the agency with the best chance of successfully executing this strategy. Therefore, we ask that the Commission consider sponsoring these two meetings and acting as the primary facilitator in this effort. It would be advantageous to schedule the two meetings this summer so that the message conceivably might affect the FY 2004 budget. Mr. RZ Smith is coordinating budget development for NMFS and is the appropriate contact for recommending participants in the first meeting. He is aware of the possibility of such a meeting this summer and is prepared to provide the necessary materials for this meeting. The Council also recommends the Commission coordinate the participants in the second meeting, as well as provide guidance on various approaches toward achieving the goal of effectively communicating consensus recommendations. Council members from Oregon and Washington or their designees have expressed strong intent to meaningfully participate in this second meeting and the process that may emanate from it.

NOAA Fisheries

JUL 7 2003

**Salmon Recovery
Division**

Dr. Randy Fisher
July 3, 2003
Page 2

Thank you for your consideration of this important issue. Please contact me or Chuck Tracy of my staff if you would like to discuss the matter further or if you have questions.

Sincerely



D. O. McIsaac, Ph.D.
Executive Director

CAT:rdd

c: Council Members
Salmon Advisory Subpanel
Salmon Technical Team
Mr. Rob Jones, National Marine Fisheries Service
Mr. RZ Smith, National Marine Fisheries Service
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Ms. Liz Hamilton, Northwest Sportfishing Industry Association
Mr. Bruce Buckmaster, Salmon for All
Dr. John Coon
Mr. Chuck Tracy
Mr. Dan Waldeck
Mr. Jim Seger
Mr. Ed Waters

DRAFT FY 2005 BUDGET WORKTABLE ¹

Activity	WDFW	ODFW	IDFG	USFWS	Tribal	Total
Broodstock Reform	\$150,000	\$150,000		\$150,000	\$150,000	\$600,000
Marking ²	\$424,702	\$161,383		\$405,119		\$991,204
Species Reintroduction		\$100,000			\$400,000	\$500,000
Release Reprogramming	\$200,000	\$200,000		\$200,000	\$200,000	\$800,000
Facilities/Capital Construction	\$1,000,000	\$1,043,300	\$150,000	\$750,000	\$300,000	\$3,243,300
Monitoring & Evaluation	\$737,720	\$400,000	\$50,000	\$400,000	\$200,000	\$1,787,720
Base Hatchery O&M ³	\$4,924,729	\$4,436,703		\$3,951,923	\$188,445	\$13,501,800
Screens & Fishways ⁴	\$260,150	\$2,074,235	\$1,648,088		\$25,000	\$4,007,473
NMFS Overhead ⁵						\$635,787
Total	\$7,697,301	\$8,565,621	\$1,848,088	\$5,857,042	\$1,463,445	\$26,067,284

¹ Budget needs to maintain status quo hatchery production and the current level of activity in the areas of irrigation diversion screening and fish passage in FY 2005.

² Marking estimates based on 2003 needs plus 5% increase for 2004 and for 2005.

³ Base Hatchery O&M estimates based on 2003 needs plus 5% increase for 2004 and for 2005.

⁴ Screen & Fishways estimates based on 2003 needs plus 10% increase for 2004 and for 2005 with \$25,000 added under the Tribal Column for the Yakama Tribe to maintain Lyle Falls and Castile Falls Fishways.

⁵ NOAA Fisheries overhead estimated at 2.5% of the total program.

ODFW Engineering

COSTS FOR
CAPITAL IMPROVEMENTS AND MAINTENANCE PROJECTS
NMFS-FUNDED HATCHERIES

<u>FACILITY</u>	<u>PROJECT</u>	<u>CAPITAL/CONSTRUCTION</u> <u>COST</u>
Big Creek Hatchery	Replace Spawning Building (30'x40')	\$ 150,000 ✓
Big Creek Hatchery	Water treatment for early rearing	\$ 1,600,000
Big Creek Hatchery	Repair pond bottoms	\$ 80,000 ✓
Big Creek Hatchery	Replace 3 Gate Valves	\$ 25,000 ✓
Big Creek Hatchery	New equipment storage building	\$ 25,000 ✓
Big Creek Hatchery	Resurface roads	\$ 65,000 ✓
Big Creek Hatchery	Landscape irrigation system	\$ 21,000
Big Creek Hatchery	Remodel intake and passage	\$ 392,000 ✓
Big Creek Hatchery	New chemical storage building	\$ 65,000 ✓
Big Creek Hatchery	Housing (8)	\$ 148,000
Total		\$ 2,571,000
Bonneville Hatchery	Repave roads	\$ 280,000 159 ✓ ✓
Bonneville Hatchery	Alarms - 62 ponds	\$ 80,000 44 ✓ ✓
Bonneville Hatchery	Replace egg trays	\$ 154,000 84.7 ✓
Bonneville Hatchery	Replace furnace in office building	\$ 30,000 18.5 ✓
Bonneville Hatchery	Expand break room	\$ 26,000
Bonneville Hatchery	Replace office flooring	\$ 17,000
Bonneville Hatchery	Paint trim - all buildings	\$ 60,000
Bonneville Hatchery	Install guard rails - Ponds A, C & D	\$ 12,000 6.6 ✓
Bonneville Hatchery	Replace pond screens at Ponds C and D	\$ 21,000 11.5 ✓
Bonneville Hatchery	Replace fish pump	\$ 30,000 16.5 ✓
Bonneville Hatchery	Upgrade fish feeders - Ponds C & D	\$ 70,000 35.5 ✓
Bonneville Hatchery	Adult pond modifications	\$ 2,300,000
Bonneville Hatchery	New equipment storage building	\$ 100,000 55 ✓
Bonneville Hatchery	Captive Brood (BPA) - New office	\$ 20,000
Bonneville Hatchery	Captive Brood (BPA) - remodel drain system	\$ 150,000
Bonneville Hatchery	Remodel Intake and passage	\$ 492,000 270.6 ✓
Bonneville Hatchery	Housing repairs	\$ 100,000
Bonneville Hatchery	New chem. stor. bldg.- Tanner Cr. Treat.	\$ 65,000 32.5 ✓
Bonneville Hatchery	Restroom drain system	\$ 120,000
Total		\$ 4,127,000
Cascade Hatchery	Repave roads and parking areas	\$ 50,000 08 ✓
Cascade Hatchery	Replace "Heath" stacks	\$ 50,000 05 ✓
Cascade Hatchery	Resurface pond bottoms	\$ 30,000 06 ✓
Cascade Hatchery	Remodel Intake and passage	\$ 383,000 07 ✓
Cascade Hatchery	Housing repairs	\$ 42,000
Cascade Hatchery	New chemical storage building	\$ 65,000 06 ✓
Total		\$ 620,000

ODFW Engineering

COSTS FOR
CAPITAL IMPROVEMENTS AND MAINTENANCE PROJECTS
NMFS-FUNDED HATCHERIES

<u>FACILITY</u>	<u>PROJECT</u>	<u>CAPITAL/CONSTRUCTION</u> <u>COST</u>	
Clackamas Hatchery	Intake modifications	\$ 2,000,000	2.40 08 ✓
Clackamas Hatchery	Bird netting - asphalt ponds (3)	\$ 500,000	110 05 ✓
Clackamas Hatchery	Replace underground fuel tanks	\$ 35,000	7.7 07 ✓
Clackamas Hatchery	Repairs to pond piping	\$ 250,000	5.50 06 ✓
Clackamas Hatchery	Housing repairs	\$ 50,000	
Clackamas Hatchery	Fire suppression system - Chem Stor. Bldg.	\$ 13,000	2.86 07 ✓
Clackamas Hatchery	Back-up Recirc. Pump - Holding Pond	\$ 6,000	1.32 07 ✓
Total		\$ 2,854,000	
Oxbow Hatchery	Electrical repairs	\$ 12,000	05 ✓
Oxbow Hatchery	Replace 7 underground fuel storage tanks	\$ 140,000	05 ✓
Oxbow Hatchery	Intake modifications - Lower Herman Cr.	\$ 100,000	06 ✓
Oxbow Hatchery	Revise pond drain, comply w/ DEQ permit	\$ 100,000	06 ✓
Oxbow Hatchery	Revise treatment pipe - hatchery bldg	\$ 65,000	07.
Oxbow Hatchery	New equipment storage bldg	\$ 25,000	07
Oxbow Hatchery	Add 3-phase power to Lower Herman ponds	\$ 14,000	05
Oxbow Hatchery	Asphalt ramp to Handicap fishing platform	\$ 10,000	
Oxbow Hatchery	New vinyl siding - three buildings	\$ 20,000	
Oxbow Hatchery	New bird netting over ponds	\$ 50,000	08
Oxbow Hatchery	Replace pressure water tank	\$ 5,000	09
Oxbow Hatchery	New irrigation system	\$ 20,000	
Oxbow Hatchery	Resurface 2 asphalt ponds	\$ 35,000	08
Oxbow Hatchery	Study for new well	\$ 10,000	05
Oxbow Hatchery	Fishway/passage mods - Upper Herman Cr	\$ 100,000	06
Oxbow Hatchery	Housing	\$ 50,000	
Oxbow Hatchery	New chemical storage building	\$ 65,000	09
Total		\$ 821,000	
Sandy Hatchery	Remodel Intake and passage	\$ 383,000	09
Sandy Hatchery	Renovate 10 ponds - Phase 1	\$ 100,000	05
Sandy Hatchery	Repave roadways	\$ 50,000	07
Sandy Hatchery	Raise dam/spillway	\$ 50,000	05
Sandy Hatchery	Replace heating/lighting - hatchery bldg	\$ 50,000	04
Sandy Hatchery	Holding pond repairs, new pens	\$ 100,000	08
Sandy Hatchery	New truck storage building	\$ 50,000	06
Sandy Hatchery	Renovate 10 ponds - Phase 2	\$ 100,000	06
Sandy Hatchery	Housing repairs	\$ 45,000	
Sandy Hatchery	Replace 4 underground fuel storage tanks	\$ 125,000	08
Sandy Hatchery	New chemical storage building	\$ 65,000	07
Total		\$ 1,118,000	
TOTAL ALL HATCHERIES		\$ 12,111,000	

10,124 32 41 56
69

Facility	2005	2006	2007	2008	2009
Big Creek					
Hatchery Intake (to criteria)	\$392,000				
Chemical Storage Building		\$65,000			
Repair Pond Bottoms		\$80,000			
Spawning Building			\$150,000		
Replace 3 Gate Valves				\$25,000	
Resurface Roads					\$65,000
Equipment Storage Building					\$25,000
Big Creek Totals	\$392,000	\$145,000	\$150,000	\$25,000	\$90,000
Bonneville ¹					
Alarms- 62 ponds	\$44,000				
Replace egg trays	\$84,700				
Install Guard Rails- Ponds I, C, & D	\$6,600				
Remodel Intake and Passage		\$270,600			
Repave roads			\$154,000		
Upgrade fish feeders- Ponds C&D				\$35,500	

¹ Bonneville funding split 55%-45% between Mitchell Act and the Corps. Numbers reflect NMFS portion.

Chemical Storage Building					\$35,750	
Furnace in Office Building						\$16,500
Replace Pond Screens- Ponds C & D						\$11,550
Fish Pump						\$16,500
Equipment Storage Building						\$55,000
Total Bonneville	\$135,300	\$270,600	\$154,000	\$559,900	\$99,550	
Cascade						
Replace Heath Stacks	\$50,000					
Resurface Pond Bottoms		\$30,000				
Chemical Storage Building		\$65,000				
Remodel Intake and Passage			\$383,000			
Repare Roads and Parking Areas						\$50,000
Total Cascade	\$50,000	\$95,000	\$383,000	\$0	\$50,000	
Clackamas ²						
Bird Netting - asphalt ponds (3)	\$140,000					
Repairs to pond piping		\$70,000				

²NMFS is responsible for 28% of Clackamas funding. Numbers reflect NMFS portion.

Replace Underground Fuel Tanks				\$9,800		
Fire Suppression System- Chem Bldg				\$3,640		
Back-up Recirc. Pump				\$1,680		
Intake Modifications					\$560,000	
Total Clackamas	\$140,000	\$70,000	\$15,120		\$560,000	\$0
OxBow						
Electrical Repairs	\$12,000					
Replace 7 Underground Fuel Tanks	\$140,000					
Add 3-phase Power To L. Herman Cr.	\$14,000					
Well Study	\$10,000					
Intake Modifications- L. Hermann Cr		\$100,000				
Fishway/Passage Mods U Herman Cr		\$100,000				
Revise Treatment Pipe- Hatchery Bldg			\$65,000			
Revise Pond Drain			\$100,000			
Equipment Storage Building			\$25,000			
Bird Netting						\$50,000
Resurface 2 Asphalt Ponds						\$35,000
Replace Pressure Water Tank						\$5,000
Chemical Storage Building						\$65,000

Oxbow Total	\$176,000	\$200,000	\$190,000	\$0	\$155,000
Sandy					
Renovate 10 ponds- Phase 1	\$100,000				
Raise Dam/Spillway	\$50,000				
Truck Storage Building		\$50,000			
Renovate 10 Ponds- Phase 2		\$100,000			
Repave roadways			\$50,000		
Chemical Storage Building			\$65,000		
Replace Heating/Lighting-Hatchery Bld					\$50,000
Holding Pond Repairs/New Pens					\$100,000
Replace 4 Underground Fuel Tanks					\$125,000
Remodel Intake and Passage					\$383,000
Sandy Total	\$150,000	\$150,000	\$115,000	\$0	\$658,000
	\$1,043,300	\$930,600	\$1,007,120	\$1,144,900	\$1,052,550

MITCHELL ACT UPDATE

Situation: At its June meeting, the Council directed staff to prepare a letter to NMFS and Pacific States Marine Fisheries Commission (PSMFC) recommending a two-step approach to developing adequate funding for Mitchell Act implementation in FY04 and beyond (Exhibit F.3, Attachment 1). The approach consists of (1) a meeting of technical personnel from all affected agencies to develop appropriate funding levels, and (2) a meeting of agency and tribal policy representatives and stakeholders to develop a strategy for communicating with appropriate administration and congressional representatives regarding needs and benefits of the Mitchell Act Program. Mr. Randy Fisher (PSMFC) responded affirmatively to the suggestion that PSMFC take the lead in the strategic meeting (Exhibit F.3 Attachment 2).

Mr. RZ Smith (NMFS) will report on the outcome of the technical meeting, including development of a base funding level budget necessary to fully fund current Mitchell Act programs and facilities (Exhibit F.3, Attachment 3). A report from the PSMFC Policy Group on the strategic meeting will follow.

Council Action:

1. Receive Information and provide guidance on Mitchell Act issues.

Reference Materials:

1. Exhibit F.3, Attachment 1: Letter from Dr. Don McIsaac to Mr. Randy Fisher (PSMFC).
2. Exhibit F.3, Attachment 2: Letter from Mr. Randy Fisher (PSMFC) to Dr. Don McIsaac.
3. Exhibit F.3, Attachment 3: Letter from Mr. RZ Smith (NMFS) to Mr. Dan Diggs (USFWS).

Agenda Order:

- a. Agendum Overview
- b. NMFS Report
- c. PSMFC Policy Group Report
- d. Reports and Comments of Advisory Bodies
- e. Public Comment
- f. **Council Action:** Provide Guidance on Mitchell Act Issues

Chuck Tracy
RZ Smith

PFMC
08/21/03

DRAFT FY 2005 BUDGET WORKTABLE ¹

Activity	WDFW	ODFW	IDFG	USFWS	Yakama- Yakama Basin	Yakama- Klickitat Basin	Nez Perce	Umatilla	NOAA Overhead	Total
Broodstock Reform	\$150,000	\$340,000		\$150,000			\$154,089			\$794,089
Marking	\$320,409	\$160,000		\$376,650			\$171,830			\$1,028,889
F Chin Marking- Eqp. ²										\$0
Fall Chinook Marking	\$811,333	\$920,000		\$1,122,660						\$2,853,993
Species Reintroduction	\$112,500	\$100,000				\$200,000		\$225,000		\$637,500
Release Reprogramming	\$200,000	\$525,000		\$200,000			\$11,000			\$936,000
Facilities/Capital Construction	\$1,877,000	\$1,100,000	\$150,000	\$911,250		\$1,506,500	³			\$5,544,750
Monitoring & Evaluation	\$1,287,250	\$255,000	\$50,000	\$513,153			\$140,790			\$2,246,193
Base Hatchery O&M ⁴	\$4,605,945	\$4,582,000		\$3,828,985	\$220,000	\$600,000	\$338,368			\$14,175,298
Screens & Fishways	\$260,150	\$2,540,000	\$1,648,088			\$25,000				\$4,473,238
NMFS Overhead ⁵									\$653,799	\$653,799
Total	\$9,624,587	\$10,522,000	\$1,848,088	\$7,102,698	\$220,000	\$2,331,500	\$816,077	\$225,000	\$653,799	\$33,343,749

¹ Budget needs to maintain status quo hatchery production and the current level of activity in the areas of irrigation diversion screening and fish passage in FY 2005.

² Funding for equipment for fall chinook marking is being sought from other sources. Estimates include an additional \$2,065,500 for USFWS.

³ \$220,254 for construction of 3 acclimation sites will come out of the facilities/capital construction line item in, split between FY 2007,7.9. Includes no NEPA/ or Construction Management costs

⁴ Base Hatchery O&M estimates based on 2003 needs plus 5% increase for 2004 and for 2005.

⁵ NOAA Fisheries overhead estimated at 2.0% of the total program.