

Informational Report 5  
March 2004



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE  
Northwest Region  
7600 Sand Point Way N.E., Bldg. 1  
Seattle, WA 98115

JAN 30 2004

MEMORANDUM FOR: John H. Dunnigan  
Director, Office of Sustainable Fisheries

FROM: *DR* *William L. Behr*  
D. Robert Lohn  
Northwest Regional Administrator

SUBJECT: 2003 Report to Congress on Status of  
Fisheries

RECEIVED

FEB - 9 2004

PFMC

This memo provides combined comments from the Northwest Region and the Northwest Fisheries Science Center regarding your request of November 4, 2003, and follow-up memorandum of December 9, 2003, that the Regional Offices update the Report to Congress on the Status of Fisheries for 2003.

Details for the Report to Congress from the Northwest Region are divided by Fishery Management Plan (FMP): A) Pacific Coast Groundfish, B) Pacific Halibut, and C) Pacific Coast Salmon. Attachments to this document include the two tables e-mailed on December 19, 2003 by Regina Spallone. Each table has our editorials incorporated as underlined text.

A. PACIFIC COAST GROUND FISH

1. Pacific Coast Groundfish FMP Definitions:

Overfished - Under the FMP, a stock or stock complex is determined to be "overfished" if its current biomass is less than 25% of the estimated unfished biomass level or 50% of the biomass that would produce the maximum sustainable yield (MSY). Nine stocks managed under the FMP have been declared overfished: lingcod, bocaccio, Pacific ocean perch (POP), canary rockfish, cowcod, widow rockfish, darkblotched rockfish, yelloweye rockfish, and Pacific whiting. In 2003, no additional stocks were declared overfished.

Amendment 12 to the Pacific Coast Groundfish FMP, which was approved by NMFS on December 29, 2000 (65 FR 82947,) provided a framework for rebuilding plans that would have included the plans as part of the annual SAFE document, but were not themselves plan amendments or proposed regulations. On August 20, 2001, a federal magistrate ruled in National Resources Defense Council, Inc. v. Evans (N.D. Cal. 2001) that rebuilding plans under the Pacific Coast Groundfish FMP



must be in the form of plan amendments or proposed regulations, as required by the Magnuson-Stevens Act at 16 U.S.C. § 1854 (e)(3). Accordingly, the magistrate issued an order setting aside the portions of Amendment 12 to the FMP that dealt with rebuilding plans. As a result of the magistrate's decision, the FMP has been amended to ensure that rebuilding plans are consistent with the Magnuson-Stevens Act, in particular National Standard 1 on overfishing and section 34(e), which addresses rebuilding of overfished species. Amendment 16-1 includes the process for and standards by which rebuilding plans are specified for groundfish stocks that have been declared overfished. It also amends the FMP to require that rebuilding plans be added to the FMP via FMP Amendment and implemented through Federal regulations. NMFS approved Amendment 16-1 on November 14, 2003, and a proposed rule to codify provisions of Amendment 16-1 was published in the Federal Register on September 5, 2003 (68 FR 52732). Amendment 16-2 amends the FMP to include overfished species rebuilding plans for lingcod, canary rockfish, darkblotched rockfish, and Pacific ocean perch. NMFS approved Amendment 16-2 on January 30, 2004, and a proposed rule to codify provisions of Amendment 16-2 was published in the Federal Register on December 5, 2003 (68 FR 67998). Amendment 16-3 is scheduled to follow Amendment 16-2. A notice of intent to prepare an Environmental Impact Statement was published in the Federal Register on September 12, 2003 (68 FR 53712) for Amendment 16-3. If approved, Amendment 16-3 will contain rebuilding plans for bocaccio, cowcod, widow rockfish, and yelloweye rockfish. Amendment 16-4 will address a rebuilding plan for Pacific whiting and is scheduled for November 2004 completion. An updated whiting stock assessment, due in March 2004, will provide direction on the type of management regime that may be needed for whiting. Until Amendments 16-2 and 16-3 are implemented, the overfished species included in those amendments are being managed under interim rebuilding measures. These interim rebuilding measures are based on the results of rebuilding analyses that have been reviewed and approved by the PFMC, along with the PFMC's Stock Assessment Review (STAR) panel and Scientific and Statistical Committee (SSC).

Overfishing - The Magnuson-Stevens Act National Standard Guidelines (63 FR 24212, May 1, 1998) define "overfishing" as exceeding the fishing mortality rate needed to produce the maximum sustainable yield ( $F_{MSY}$ ) on a continual basis. In 2000, the Council used default exploitation rates as a proxy for  $F_{MSY}$ . The default  $F_{MSY}$  proxy used for setting

acceptable biological catches (ABCs) was  $F_{40\%}$  for most rockfish and  $F_{35\%}$  for other groundfish species. The PFMC's SSC reviewed the exploitation rate policy in the spring of 2000 and concluded that  $F_{40\%}$  was too aggressive for some groundfish stocks, particularly rockfish. For 2001 and beyond, the Council adopted the SSC's new recommendations for harvest policies of  $F_{40\%}$  for flatfish and whiting,  $F_{50\%}$  for rockfish (including thornyheads), and  $F_{45\%}$  for other groundfish such as sablefish and lingcod. None of the 2003 ABCs were knowingly set higher than  $F_{MSY}$  or its proxy, none of the optimum yields (OYs) were set higher than the corresponding ABCs, and the 2003 management measures were designed to keep harvest levels within specified OYs.

Overfishing is difficult to detect inseason for many rockfish, particularly minor rockfish species, because most are not individually identified on landing. Species compositions, based on proportions encountered in samples of landings, are applied during the year, but final results are not available until the end of the year. For 2002, the combined lingcod landings of Pacific Coast commercial and recreational fisheries equaled 872.3 mt, exceeding the lingcod ABC by 127.3 mt. Data for 2003 are not yet complete and will be evaluated for overfishing in the next edition of this report.

In the past, several changes to groundfish management, and rockfish management in particular, were intended to ensure that groundfish species were not subject to overfishing harvest rates, such as separating the rockfish complex into species and assemblages (nearshore, shelf, and slope), closing fisheries inseason once the OY has been reached, structuring the season to reduce bycatch of overfished species, gear restrictions, requiring sorting of rockfish to improve landings data, and restructuring the season and trip limits inseason. As information on the stocks improves, management measures continue to evolve. For 2004, management measures are more restrictive in order to protect overfished species, including reduced harvest levels, depth-based management, closed areas and seasons. Lingcod overfishing in 2002 was primarily due to a greater than expected recreational fisheries take off California. The 2004 recreational fisheries management is more conservative than in 2002. Additionally, NMFS plans to work with the Council and the State of California to ensure that lingcod harvest is more tightly constrained in 2004.

## 2. Status of Stock Documentation:

The most recent Stock Assessment and Fishery Evaluation (SAFE) document was published by the PFMC in August 2003, "Volume 1: Status of the Pacific Coast Groundfish Fishery through 2003." SAFE documents are intended to summarize the best available scientific information concerning the past, present and future condition of federally managed fish stocks. The SAFE document provides information on annual harvest levels, stock condition and abundance trends, as well as summaries of stock assessments, the PFMC's STAR panel reports and rebuilding analyses. Stock assessments for major groundfish species are generally conducted on a three year cycle, except that the Pacific whiting assessment is usually updated with harvest data annually. The most recent information for a particular stock may be found in earlier SAFE documents, but generally the best available stock assessment information is summarized or referenced in the most recent SAFE document. The following stock assessments were included in the 2003 SAFE document: Status of the Black Rockfish (*Sebastes melanops*) off Oregon and California in 2003, Steve Ralston and E.J. Dick; Status of Bocaccio off California in 2003, Alec MacCall; Darkblotched Rockfish (*Sebastes crameri*) 2003 Stock Assessment and Rebuilding Update, Jean Rogers; Status and Future Prospects for the Pacific Ocean Perch Resource in Washington and Oregon as Assessed in 2003, Owen Hamel, Ian Stewart, and Andre Punt; Status of Yelloweye Rockfish off the U.S. Coast in 2002, Richard Methot, Farron Wallace, and Kevin Piner; Status of the Yellowtail Rockfish Resource in 2003, Han-Lin Lai, Jack Tagert, James Ianelli, and Farron Wallace; Status of the Widow Rockfish Resource in 2003, Xi He, Stephen Ralston, Alec MacCall, Donald Pearson, and Edward Dick.

The FMP covers 80+ species of groundfish, including a large number for which some biological indicators are available, but not enough to make a quantitative analysis of stock status. There are also a number of minor species caught, for which, at best, there is only partial information on landed catch. For these species, data are inadequate for defining a quantifiable overfishing threshold and resources are inadequate to gather the data and prepare assessments. An adequate assessment is based on a time-series of information, therefore, there is no short-term solution to this problem. In addition, many of these species are not of commercial importance and are thought to have relatively low annual yields.

### 3. Approaching a Condition of Being Overfished:

According to the Magnuson-Stevens Act National Standard Guidelines (63 FR 24212, May 1, 1998), this condition applies to those species that are not overfished, but which are expected to be designated as overfished within two years. At this time, no new groundfish stocks qualify as "overfished" or are expected to be designated as overfished within two years.

#### B. PACIFIC HALIBUT

There is no change to last year's submission on Pacific halibut. The stock remains in good shape off Washington, Oregon, and California.

#### C. PACIFIC SALMON

Under Amendment 14 to the Pacific Coast Salmon Plan (Salmon FMP), approved September 27, 2000, the Council's criteria for an overfishing concern are met if, in three consecutive years, the postseason estimates indicate a natural stock has fallen short of its conservation objective (MSY, maximum sustainable production (MSP), or spawner floor as noted for some harvest rate objectives) in Table 3-1 of the Salmon FMP. It is possible that a failure to meet conservation objectives for three consecutive years could result from normal variation, as has been seen in the past for several previously referenced salmon stocks which were reviewed under the Council's former overfishing definition. However, the occurrence of three consecutive years of reduced stock size or spawner escapements, depending on the magnitude of the short-fall, may also signal the beginning of a critical downward trend which may result in fishing that jeopardizes the capacity of the stock to produce MSY over the long term if appropriate actions are not taken.

The Salmon FMP contains three exceptions to the application of overfishing criteria and subsequent Council actions for stocks or stock complexes with conservation objectives in Table 3-1: (1) hatchery stocks, (2) stocks for which Council management actions have inconsequential impacts, and (3) stocks listed under the Endangered Species Act (ESA).

Stocks without specified goals in the Salmon FMP are also provided significant protection against overfishing because the Council bases its management on the stock which is first reduced to its annual specified goal level by the fisheries. Such a

stock could be the weakest stock or an abundant stock which is heavily impacted by ocean salmon fisheries.

The combined comments from the NWR and the NWFSC regarding last years report, and how the 2003 report should be updated to correctly reflect those stocks that are "overfished," concluded that there was one chinook stock, Grays Harbor fall, that has triggered the overfishing concern criteria. However, this stock continues to meet the criteria for the second exception to the application of overfishing criteria, because its harvest impacts in Council fisheries are less than 5%. No coho stocks triggered the overfishing criteria in 2002.

With no additions or deletions from the list, we reviewed the salmon related information in the 2002 report and found one error that need to be corrected. The NW-SW\_ASSESSMENT table did not contain the Columbia River Late (Hatchery) coho stock, we inserted this back into the table.

Attachments: Table 1 and Table 2.

cc: F/SWR (Fougner, Viele), F/NWR (Scordino), F/NWR2 (Robinson, Dygert, de Reynier, Wright, Simmons, Nordeen, Schumacher), F/NWC (Varanasi, Clark, Kope, Jones, Hastie), PFMC (McIsaac)

Table 1. Report to Congress - PFMC-02 -- NWR Edits 1-29-04.xls

FMP	Species	Stock	Run	Overfishing			Overfished			Approaching or Overfished Condition	Management Actions Required	Rebuild Program Progress
				Jurisdiction	Pre-SFA	Post-SFA	Pre-SFA	Post-SFA				
1	Species	PACIFIC COAST	California Market Squid	PFMC UNDEFINED	NO	UNDEFINED	UNKNOW	UNKNOW	UNKNOW	NA	NA	
2	Species	PACIFIC COAST	Jack Mackerel	PFMC	NO	UNDEFINED	UNKNOW	UNKNOW	UNKNOW	NA	NA	
3	Species	CENTRAL SUBPOPULATION	Northern Anchovy	PFMC UNDEFINED	NO	UNDEFINED	UNKNOW	UNKNOW	UNKNOW	NA	NA	
4	Species	NORTHERN SUBPOPULATION	Northern Anchovy	PFMC UNDEFINED	NO	UNDEFINED	UNKNOW	UNKNOW	UNKNOW	NA	NA	
5	Species	PACIFIC COAST	Pacific (Club) Mackerel	PFMC	NO	NO	NO	NO	NO	NA	NA	
6	Species	PACIFIC COAST	Pacific Sandrine	PFMC UNKNOW	NO	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
7	UNDER	NORTH PACIFIC	Bluefin Tuna	PFMC D	UNKNOW	D	UNKNOW	UNKNOW	UNKNOW	NA	NA	
8	PFMC NOT IN FMP	PACIFIC	Chum Salmon	PFMC UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
9	PFMC NOT IN FMP	PACIFIC	Pacific Herring	PFMC D	D	D	D	D	D	NA	NA	
10	PFMC NOT IN FMP	PACIFIC	numbered years)	PFMC D	D	D	D	D	D	NA	NA	
11	PFMC NOT IN FMP	PACIFIC	Sea-run Cutthroat	PFMC D	D	D	D	D	D	NA	NA	
12	PFMC NOT IN FMP	PACIFIC	Sockeye Salmon	PFMC D	D	D	D	D	D	NA	NA	
13	PFMC NOT IN FMP	PACIFIC	Steelhead	PFMC UNKNOW	NO	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
14	PFMC NOT IN FMP	PACIFIC	Yellowtail	PFMC UNKNOW	NO	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
15	Groundfish	PACIFIC COAST	Arrowtooth Flounder	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
16	Groundfish	PACIFIC COAST	Aurora Rockfish	PFMC	NO	NO	NO	NO	NO	NA	NA	
17	Groundfish	PACIFIC COAST	Bank Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
18	Groundfish	PACIFIC COAST	Big Skate	PFMC	NO	NO	NO	NO	NO	NA	NA	
19	Groundfish	PACIFIC COAST	Black Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
20	Groundfish	PACIFIC COAST	Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
21	Groundfish	PACIFIC COAST	Blackgill Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
22	Groundfish	PACIFIC COAST	Blue Rockfish	PFMC	NO	NO	NO	NO	NO	NA	NA	
23	Groundfish	PACIFIC COAST	Bonobo	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
24	Groundfish	PACIFIC COAST	Bronzeopetted Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
25	Groundfish	PACIFIC COAST	Brown Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
26	Groundfish	PACIFIC COAST	Butter Sole	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
27	Groundfish	PACIFIC COAST	Cabezon	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
28	Groundfish	PACIFIC COAST	Calico Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
29	Groundfish	PACIFIC COAST	California Scorpionfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
30	Groundfish	PACIFIC COAST	California State	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
31	Groundfish	PACIFIC COAST	Cannery Rockfish	PFMC	NO	NO	NO	NO	NO	NA	NA	
32	Groundfish	PACIFIC COAST	Chilepepper	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
33	Groundfish	PACIFIC COAST	Chira Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
34	Groundfish	PACIFIC COAST	Copper Rockfish	PFMC	NO	NO	NO	NO	NO	NA	NA	
35	Groundfish	PACIFIC COAST	Cowcod	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
36	Groundfish	PACIFIC COAST	Curlin Sole	PFMC	NO	NO	NO	NO	NO	NA	NA	
37	Groundfish	PACIFIC COAST	Darriblotched Rockfish	PFMC	NO	NO	NO	NO	NO	NA	NA	
38	Groundfish	PACIFIC COAST	Dover Sole	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
39	Groundfish	PACIFIC COAST	Dusty Rockfish	PFMC	NO	NO	NO	NO	NO	NA	NA	
40	Groundfish	PACIFIC COAST	English Sole	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
41	Groundfish	PACIFIC COAST	Finestale Codling	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
42	Groundfish	PACIFIC COAST	Flag Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
43	Groundfish	PACIFIC COAST	Fathead Sole	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
44	Groundfish	PACIFIC COAST	Gopher Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
45	Groundfish	PACIFIC COAST	Grass Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
46	Groundfish	PACIFIC COAST	Greenblotched Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
47	Groundfish	PACIFIC COAST	Greenopetted Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
48	Groundfish	PACIFIC COAST	Greenstriped Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
49	Groundfish	PACIFIC COAST	Hieroglyph Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
50	Groundfish	PACIFIC COAST	Honeycomb Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
51	Groundfish	PACIFIC COAST	Kelp Greenling	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
52	Groundfish	PACIFIC COAST	Kelp Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
53	Groundfish	PACIFIC COAST	Leopard Shark	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
54	Groundfish	PACIFIC COAST	Lingcod	PFMC	YES	YES	YES	YES	YES	NA	NA	
55	Groundfish	PACIFIC COAST	Lungless Skate	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
56	Groundfish	PACIFIC COAST	Longspine Thornyhead	PFMC	NO	NO	NO	NO	NO	NA	NA	
57	Groundfish	PACIFIC COAST	Mexican Rockfish	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	

Table 1. Report to Congress - PFMC-02 - NWR Edits 1-29-04.xls

PFMC	Stock	Species	Run	Overfishing			Overfished		Approaching an Overfished Condition	Management Actions Required	Rebuild Program Progress
				Justified Action	Pre-SFA	Post-SFA	Pre-SFA	Post-SFA			
56	Groundfish	Olive Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
58	Groundfish	Pacific Cod	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
60	Groundfish	Pacific Ocean Perch	PACIFIC COAST	PFMC	NO	NO	NO	NO	CONTINUE REBUILDING / FMP	4/42-YEAR REBUILDING	
61	Groundfish	Pacific Ratfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
62	Groundfish	Pacific Sanddab	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	CONTINUE REBUILDING / NEW FMP	EMP DEFAULT REBUILDING	
63	Groundfish	Pacific Whiting	PACIFIC COAST	PFMC	YES	NO	NO	NO	NA	NA	
64	Groundfish	Petrale Sole	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
65	Groundfish	Pink Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
66	Groundfish	Quillback Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
67	Groundfish	Ratfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
68	Groundfish	Redband Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
69	Groundfish	Redstripe Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
70	Groundfish	Roz Sole	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
71	Groundfish	Rock Sole	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
72	Groundfish	Rosehorn Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
73	Groundfish	Rosy Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
74	Groundfish	Rougheye Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
75	Groundfish	Stablefin	PACIFIC COAST	PFMC	NO	NO	NO	NO	NA	NA	
76	Groundfish	Sand Sole	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
77	Groundfish	Shorthead Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
78	Groundfish	Shorthead Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
79	Groundfish	Shorthead Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
80	Groundfish	Shorthead Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
81	Groundfish	Southern Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
82	Groundfish	Southern Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
83	Groundfish	Spiry Dogfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
84	Groundfish	Spry Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
85	Groundfish	Square-spot Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
86	Groundfish	Starry Flounder	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
87	Groundfish	Starry Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
88	Groundfish	Stripetail Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
89	Groundfish	Tiger Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
90	Groundfish	Treenish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
91	Groundfish	Vermilion Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
92	Groundfish	Widow Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
93	Groundfish	Yelloweye Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
94	Groundfish	Yellowmouth Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
95	Groundfish	Yellowtail Rockfish	PACIFIC COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	
96	Groundfish	Chinook Salmon	CALIFORNIA CENTRAL VALLEY	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	CONTINUE REBUILDING / FMP	2/35-YEAR REBUILDING	
97	Salmon	Chinook Salmon	CALIFORNIA CENTRAL VALLEY	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	CONTINUE REBUILDING / FMP	1/49-YEAR REBUILDING	
98	Salmon	Chinook Salmon	CALIFORNIA CENTRAL VALLEY	PFMC	NO	NO	NO	NO	NA	NA	
99	Salmon	Chinook Salmon	CALIFORNIA CENTRAL VALLEY	PFMC	NO	NO	NO	NO	NA	NA	
100	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
101	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
102	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
103	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
104	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
105	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
106	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
107	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
108	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
109	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
110	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
111	Salmon	Chinook Salmon	COLUMBIA RIVER BASIN	PFMC	NO	NO	NO	NO	NA	NA	
112	Salmon	Chinook Salmon	NORTHERN CALIFORNIA COAST	PFMC	NO	NO	NO	NO	NA	NA	
113	Salmon	Chinook Salmon	NORTHERN CALIFORNIA COAST	PFMC	NO	NO	NO	NO	NA	NA	
114	Salmon	Chinook Salmon	NORTHERN CALIFORNIA COAST	PFMC	UNKNOW	UNKNOW	UNKNOW	UNKNOW	NA	NA	



Table 1. Report to Congress - PFMC-02 -- NWR Edits 1-29-04.xls

FMP	Stock	Species	Run	Overfishing		Overfished		Approaching an Overfished Condition	Rebuild Program Progress	
				Pre-SFA	Post-SFA	Pre-SFA	Post-SFA		Management Actions Required	NA
115	Salmon	Chinook Salmon	CENTRAL AND NORTHERN OREGON	PFMC	NO	NO	NO	NO	NA	NA
116	Salmon	Chinook Salmon	SOUTHERN OREGON	PFMC	NO	NO	NO	NO	NA	NA
117	Salmon	Chinook Salmon	SOUTHERN OREGON	PFMC	NO	NO	NO	NO	NA	NA
118	Salmon	Chinook Salmon	CEDER RIVER SUMMER / FALL	PFMC	NA	NA	NA	NA	NA	NA
119	Salmon	Chinook Salmon	EASTERN STRAIT OF JUAN DE FUCA SUMMER / FALL	PFMC	NA	NA	NA	NA	NA	NA
120	Salmon	Chinook Salmon	GREEN RIVER SUMMER / FALL	PFMC	NA	NA	NA	NA	NA	NA
121	Salmon	Chinook Salmon	NISSAQUALI RIVER SUMMER / FALL (SOUTH PUDGET SOUND)	PFMC	NA	NA	NA	NA	NA	NA
122	Salmon	Chinook Salmon	HOOKSACK SPRING (EARLY)	PFMC	NA	NA	NA	NA	NA	NA
123	Salmon	Chinook Salmon	SKAGIT SPRING	PFMC	NA	NA	NA	NA	NA	NA
124	Salmon	Chinook Salmon	SKAGIT SUMMER / FALL	PFMC	NA	NA	NA	NA	NA	NA
125	Salmon	Chinook Salmon	SKOKOMISH SUMMER / FALL	PFMC	NA	NA	NA	NA	NA	NA
126	Salmon	Chinook Salmon	SNOHOMISH SUMMER FALL	PFMC	NA	NA	NA	NA	NA	NA
127	Salmon	Chinook Salmon	STILLAGUAMISH SUMMER / FALL	PFMC	NA	NA	NA	NA	NA	NA
128	Salmon	Chinook Salmon	WHITE RIVER SPRING	PFMC	NA	NA	NA	NA	NA	NA
129	Salmon	Chinook Salmon	COASTAL STOCKS	PFMC	NA	NA	NA	NA	NA	NA
130	Salmon	Chinook Salmon	FRASER RIVER	PFMC	NA	NA	NA	NA	NA	NA
131	Salmon	Chinook Salmon	GRAYS HARBOR FALL	PFMC	NA	NA	NA	NA	NA	NA
132	Salmon	Chinook Salmon	GRAYS HARBOR SPRING	PFMC	NA	NA	NA	NA	NA	NA
133	Salmon	Chinook Salmon	HOK FALL	PFMC	NA	NA	NA	NA	NA	NA
134	Salmon	Chinook Salmon	HOK SPRING / SUMMER	PFMC	NA	NA	NA	NA	NA	NA
135	Salmon	Chinook Salmon	HOKO SUMMER / FALL	PFMC	NA	NA	NA	NA	NA	NA
136	Salmon	Chinook Salmon	QUEETS FALL	PFMC	NA	NA	NA	NA	NA	NA
137	Salmon	Chinook Salmon	QUEETS SPRING / SUMMER	PFMC	NA	NA	NA	NA	NA	NA
138	Salmon	Chinook Salmon	QUILLAYUTE FALL	PFMC	NA	NA	NA	NA	NA	NA
139	Salmon	Chinook Salmon	QUILLAYUTE SPRING / SUMMER	PFMC	NA	NA	NA	NA	NA	NA
140	Salmon	Chinook Salmon	QUINNAULT FALL	PFMC	NA	NA	NA	NA	NA	NA
141	Salmon	Chinook Salmon	WILLAPA BAY FALL (HATCHERY)	PFMC	NA	NA	NA	NA	NA	NA
142	Salmon	Chinook Salmon	WILLAPA BAY FALL (NATURAL)	PFMC	NA	NA	NA	NA	NA	NA
143	Salmon	Chinook Salmon	CENTRAL CALIFORNIA COAST	PFMC	NA	NA	NA	NA	NA	NA
144	Salmon	Coho Salmon	COLUMBIA RIVER (NATURAL)	PFMC	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NA	NA
145	Salmon	Coho Salmon	COLUMBIA RIVER EARLY (HATCHERY)	PFMC	NA	NA	NA	NA	NA	NA
146	Salmon	Coho Salmon	COLUMBIA RIVER LATE (HATCHERY)	PFMC	NA	NA	NA	NA	NA	NA
147	Salmon	Coho Salmon	NORTHERN CALIFORNIA	PFMC	NA	NA	NA	NA	NA	NA
148	Salmon	Coho Salmon	OREGON COASTAL NATURAL	PFMC	NO	NO	NO	NO	NA	NA
149	Salmon	Coho Salmon	EASTERN STRAIT OF JUAN DE FUCA	PFMC	NO	NO	NO	NO	NA	NA
150	Salmon	Coho Salmon	HOOD CANAL	PFMC	NO	NO	NO	NO	NA	NA
151	Salmon	Coho Salmon	SKAGIT	PFMC	NO	NO	NO	NO	NA	NA
152	Salmon	Coho Salmon	SNOHOMISH	PFMC	NO	NO	NO	NO	NA	NA
153	Salmon	Coho Salmon	SOUTH PUGET SOUND (HATCHERY)	PFMC	NA	NA	NA	NA	NA	NA
154	Salmon	Coho Salmon	STILLAGUAMISH	PFMC	NO	NO	NO	NO	NA	NA
155	Salmon	Coho Salmon	COASTAL STOCKS	PFMC	NA	NA	NA	NA	NA	NA
156	Salmon	Coho Salmon	FRASER RIVER	PFMC	NO	NO	NO	NO	NA	NA
157	Salmon	Coho Salmon	GRAYS HARBOR	PFMC	NO	NO	NO	NO	NA	NA
158	Salmon	Coho Salmon	HOK	PFMC	NO	NO	NO	NO	NA	NA
159	Salmon	Coho Salmon	QUEETS	PFMC	NO	NO	NO	NO	NA	NA
160	Salmon	Coho Salmon	QUILLAYUTE FALL	PFMC	NA	NA	NA	NA	NA	NA
161	Salmon	Coho Salmon	QUILLAYUTE SUMMER (HATCHERY)	PFMC	NA	NA	NA	NA	NA	NA
162	Salmon	Coho Salmon	QUINNAULT (HATCHERY)	PFMC	NO	NO	NO	NO	NA	NA
163	Salmon	Coho Salmon	WESTERN STRAIT OF JUAN DE FUCA	PFMC	NA	NA	NA	NA	NA	NA
164	Salmon	Pink Salmon	WILLAPA BAY (HATCHERY)	PFMC	NA	NA	NA	NA	NA	NA
165	Salmon	Pink Salmon	FRASER RIVER	PFMC	NA	NA	NA	NA	NA	NA
166	Salmon	Pink Salmon	PUGET SOUND	PFMC	NA	NA	NA	NA	NA	NA

Table 2. NW-SW\_ASSESSMENT -- NWR edits 1-29-04.xls

FMP	Stock	Year of last assessment	Year of last data used in last stock assessment	Source document for stock assessment
	CALIFORNIA CENTRAL VALLEY CHINOOK			
West Coast Salmon	Sacramento River Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Sacramento River Spring (Central Valley Spring - ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Sacramento River Winter (ESA Endangered 1994)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	NORTHERN CALIFORNIA COAST CHINOOK			
West Coast Salmon	Eel, Mattole, Mad, and Smith Rivers <sup>11</sup> (Fall and Spring) (Eel, Mattole, and Mad River stocks) - (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Klamath River Fall (Klamath and Trinity Rivers)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Klamath River Spring (Klamath and Trinity Rivers)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	OREGON COAST CHINOOK			
West Coast Salmon	Southern Oregon (Aggregate of fall and spring stocks in all streams south of Elk River; Rogue River fall stock is used to indicate relative abundance and ocean contribution rates)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Central and Northern Oregon (Aggregate of fall and spring stocks in all streams from the Elk River to just south of the Columbia River)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	COLUMBIA RIVER BASIN CHINOOK			
West Coast Salmon	North Lewis River Fall (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Lower River Hatchery Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Lower River Hatchery Spring	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Upper Willamette Spring (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries

Table 2. NW-SW\_ASSESSMENT -- NWR edits 1-29-04.xls

FMP	Stock	Year of last assessment	Year of last data used in last stock assessment	Source document for stock assessment
West Coast Salmon	Mid-River Bright Hatchery (Fall)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Spring Creek Hatchery (Fall)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Klickitat, Warm Springs, John Day, and Yakima Rivers (Spring)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Snake River Fall (ESA Threatened 1992)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Snake River Spring / Summer (ESA Threatened 1992)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Upper River Bright (Fall)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Upper River Summer	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Upper River Spring (ESA Endangered 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
WASHINGTON COAST CHINOOK				
West Coast Salmon	Willapa Bay Fall (natural)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Willapa Bay Fall (hatchery)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Grays Harbor Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Grays Harbor Spring	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Quinault Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries

Table 2. NW-SW\_ASSESSMENT -- NWR edits 1-29-04.xls

FMP	Stock	Year of last assessment	Year of last data used in last stock assessment	Source document for stock assessment
West Coast Salmon	Queets Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Queets Spring / Summer	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Hoh Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Hoh Spring/Summer	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Quillayute Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Quillayute Spring/Summer	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Hoko Summer/Fall (Western Strait of Juan de Fuca)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	PUGET SOUND CHINOOK			
West Coast Salmon	Eastern Strait of Juan de Fuca Summer/Fall (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Skokomish Summer/Fall (Hood Canal) (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Nooksack Spring (early) (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Skagit Summer/Fall (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Skagit Spring (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Stillaguamish Summer/Fall (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries

Table 2. NW-SW\_ASSESSMENT -- NWR edits 1-29-04.xls

FMP	Stock	Year of last assessment	Year of last data used in last stock assessment	Source document for stock assessment
West Coast Salmon	Snohomish Summer/Fall (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Cedar River Summer/Fall (Lake Washington ) (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	White River Spring (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Green River Summer / Fall Threatened (1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Nisqually River Summer/Fall (South Puget Sound) (ESA Threatened 1999)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	OREGON PRODUCTION INDEX AREA COHO			
West Coast Salmon	Central California Coast (ESA Threatened 1996)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Northern California (ESA Threatened 1997)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Oregon Coastal Natural comprised of Southern, South-Central, North-Central, and Northern Oregon stocks. (Northern Stocks - ESA Threatened 1998; Southern Stock - ESA Threatened 1997)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
<u>West Coast Salmon</u>	<u>Columbia River Late (Hatchery)</u>	2002	2002	<u>Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries</u>
West Coast Salmon	Columbia River Early (Hatchery)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Columbia River (Natural)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	WASHINGTON COASTAL COHO			
West Coast Salmon	Willapa Bay (Hatchery)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries

Table 2. NW-SW\_ASSESSMENT -- NWR edits 1-29-04.xls

FMP	Stock	Year of last assessment	Year of last data used in last stock assessment	Source document for stock assessment
West Coast Salmon	Grays Harbor	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Quinault (Hatchery)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Queets	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Hoh	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Quillayute Fall	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Quillayute Summer (Hatchery)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Western Strait of Juan de Fuca (Sekiu, Hoko, Clallam, Pysht, East and West, and Lyre Rivers and miscellaneous streams west of the Elwha River)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	PUGET SOUND COHO			
West Coast Salmon	Eastern Strait of Juan de Fuca (Streams east of Salt Creek through Chimacum Creek)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Hood Canal	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Skagit	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Stillaguamish	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Snohomish	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	South Puget Sound (Hatchery)	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
	PINK (ODD-NUMBERED YEARS)			

Table 2. NW-SW\_ASSESSMENT -- NWR edits 1-29-04.xls

FMP	Stock	Year of last assessment	Year of last data used in last stock assessment	Source document for stock assessment
West Coast Salmon	Puget Sound	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
West Coast Salmon	Fraser River	2002	2002	Review of 2002 Ocean Salmon Fisheries/Preseason Report I - Stock Abundance Analysis for 2002 Ocean Salmon Fisheries
Coastal Pelagic Species	Pacific Sardine	2002	2001	Stock Assessment and Fishery Evaluation (SAFE) document
Coastal Pelagic Species	Pacific Mackerel	2002	2001	Stock Assessment and Fishery Evaluation (SAFE) document
Coastal Pelagic Species	Northern Anchovy	1995	1995	Spawning biomass of the northern anchovy in 1995 and status of the coastal pelagic species fishery during 1994 (Jacobson, et al., 1995)
Coastal Pelagic Species	Jack Mackerel	1983	1983	Biology and fishery potential for jack mackerel ( <i>Trachurus symmetricus</i> ) (MacCall and Stauffer, 1983)
WA, OR, CA Groundfish	Shortbelly Rockfish	1989	1988	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	English Sole	1993	1992	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Arrowtooth Flounder	1993	1992	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Splitnose Rockfish	1994	1993	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Longspine Thornyhead	1997	1996	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Chilipepper Rockfish	1998	1998	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Blackgill Rockfish	1998	1997	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Cowcod	1999	1998	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Petrale Sole	1999	1998	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Lingcod	2000	2000	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Pacific Ocean Perch	2003	2002	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Darkblotched Rockfish	2003	2002	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Widow Rockfish	2003	2002	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Bank Rockfish	2000	1999	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Yellowtail Rockfish	2003	2002	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Shortspine Thornyhead	2001	2000	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Dover Sole	2001	2000	Stock Assessment and Fishery Evaluation (SAFE) Report

Table 2. NW-SW\_ASSESSMENT -- NWR edits 1-29-04.xls

FMP	Stock	Year of last assessment	Year of last data used in last stock assessment	Source document for stock assessment
WA, OR, CA Groundfish	Black Rockfish (North)	2003	2002	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Bocaccio	2003	2002	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Canary Rockfish	2002	2001	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Yelloweye Rockfish	2002	2001	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Pacific Whiting	2002	2001	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Sablefish	2002	2001	Stock Assessment and Fishery Evaluation (SAFE) Report
WA, OR, CA Groundfish	Silvergrey Rockfish	1996	1995	Stock Assessment and Fishery Evaluation (SAFE) Report