

2006 Status of U.S. Fisheries

**Table A. Summary of Stock Status for FSSI Stocks**

<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Atlantic Sea Scallop	Atlantic Sea Scallop	NEFMC	No	No	No	N/A	N/A
Northeast Multispecies	Cod - Gulf of Maine	NEFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	3/10-year plan
Northeast Multispecies	Cod - Georges Bank	NEFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	3/22-year plan
Northeast Multispecies	Haddock - Gulf of Maine	NEFMC	No	Yes	N/A	continue rebuilding	3/10-year plan
Northeast Multispecies	Haddock - Georges Bank	NEFMC	No	Yes	N/A	continue rebuilding	3/10-year plan
Northeast Multispecies	American Plaice	NEFMC	No	Yes	N/A	continue rebuilding	3/10-year plan
Northeast Multispecies	Redfish	NEFMC	No	No - rebuilding	No	continue rebuilding <sup>1</sup>	3/47-year plan
Northeast Multispecies	Witch Flounder	NEFMC	No	No	No	N/A	N/A
Northeast Multispecies	Yellowtail Flounder - Georges Bank	NEFMC	Yes	Yes	N/A	reduce mortality rebuilding program	to be developed <sup>2</sup>
Northeast Multispecies	Yellowtail Flounder - Southern New England/Middle Atlantic	NEFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	3/10-year plan
Northeast Multispecies	Yellowtail Flounder - Cape Cod / Gulf of Maine	NEFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	3/19-year plan
Northeast Multispecies	White Hake	NEFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	3/10-year plan
Northeast Multispecies	Pollock	NEFMC	No	No - rebuilding	No	continue rebuilding <sup>1</sup>	3/10-year plan
Northeast Multispecies	Windowpane Flounder - Gulf of Maine / Georges Bank	NEFMC	No	No	No	N/A	N/A

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Northeast Multispecies	Windowpane Flounder - Southern New England /Middle Atlantic	NEFMC	No	Yes	N/A	continue rebuilding	3/10-year plan
Northeast Multispecies	Winter Flounder - Gulf of Maine	NEFMC	No	No	No	N/A	N/A
Northeast Multispecies	Winter Flounder - Georges Bank	NEFMC	Yes	No	No	reduce mortality	N/A
Northeast Multispecies	Winter Flounder - Southern New England / Middle Atlantic	NEFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	3/10-year plan
Northeast Multispecies	Silver Hake - Gulf of Maine / Northern Georges Bank	NEFMC	No	No	No	N/A	N/A
Northeast Multispecies	Silver Hake - Southern Georges Bank / Middle Atlantic	NEFMC	No	No - rebuilding	No	continue rebuilding <sup>1</sup>	7/10-year plan
Northeast Multispecies	Red Hake - Gulf of Maine / Northern Georges Bank	NEFMC	Unknown	No	No	N/A	N/A
Northeast Multispecies	Red Hake - Southern Georges Bank / Middle Atlantic	NEFMC	Undefined	No	Unknown <sup>3</sup>	N/A	N/A
Northeast Multispecies	Ocean Pout	NEFMC	No	Yes	N/A	continue rebuilding	3/10-year plan
Northeast Multispecies	Atlantic Halibut	NEFMC	Unknown	Yes	N/A	continue rebuilding	undetermined <sup>4</sup>
Northeast Multispecies	Offshore Hake	NEFMC	Undefined	No	Unknown <sup>3</sup>	N/A	N/A
Northeast Skate	Little Skate	NEFMC	No	No	No	N/A	N/A
Northeast Skate	Winter Skate	NEFMC	Yes	No	No	reduce mortality	N/A
Northeast Skate	Barndoor Skate	NEFMC	No	No - rebuilding	No	continue rebuilding <sup>1</sup>	year 4 of plan <sup>5</sup>
Northeast Skate	Thorny Skate	NEFMC	No	Yes	N/A	continue rebuilding	year 4 of plan <sup>5</sup>
Northeast Skate	Clearnose Skate	NEFMC	No	No	No	N/A	N/A

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Northeast Skate	Rosette Skate	NEFMC	No	No	No	N/A	N/A
Northeast Skate	Smooth Skate	NEFMC	No	No	Unknown <sup>3</sup>	N/A	N/A
Atlantic Herring	Atlantic Herring	NEFMC	No	No	No	N/A	N/A
Red Crab	Deep-Sea Red Crab	NEFMC	No <sup>6</sup>	Unknown	Unknown	N/A	N/A
Monkfish	Monkfish - North	NEFMC / MAFMC	Yes <sup>7</sup>	Yes <sup>8</sup>	N/A	reduce mortality continue rebuilding	7/10-year plan
Monkfish	Monkfish - South	NEFMC / MAFMC	Yes <sup>7</sup>	Yes <sup>8</sup>	N/A	reduce mortality continue rebuilding	7/10-year plan
Spiny Dogfish	Spiny Dogfish	NEFMC / MAFMC	No	Undefined <sup>9</sup>	Unknown	continue rebuilding <sup>10</sup>	7/5-year plan <sup>10</sup>
Summer Flounder, Scup, and Black Sea Bass	Summer Flounder	MAFMC	Yes	No - rebuilding	No	reduce mortality continue rebuilding <sup>1</sup>	7/10-year plan <sup>11</sup>
Summer Flounder, Scup, and Black Sea Bass	Scup	MAFMC	Yes <sup>12</sup>	Yes	N/A	reduce mortality continue rebuilding	disapproved
Summer Flounder, Scup, and Black Sea Bass	Black Sea Bass	MAFMC	No <sup>13</sup>	No - rebuilding <sup>13</sup>	No	continue rebuilding <sup>1</sup>	7/10-year plan
Atlantic Bluefish	Bluefish (except Gulf of Mexico)	MAFMC	No	No - rebuilding	No	continue rebuilding <sup>1</sup>	6/9-year plan
Atlantic Surfclam and Ocean Quahog	Atlantic Surfclam	MAFMC	No	No	No	N/A	N/A
Atlantic Surfclam and Ocean Quahog	Ocean Quahog	MAFMC	No	No	No	N/A	N/A
Atlantic Mackerel, Squid, and Butterfish	Squid - Illex	MAFMC	No <sup>14</sup>	Unknown	Unknown	N/A	N/A
Atlantic Mackerel, Squid, and Butterfish	Squid - Loligo	MAFMC	No	No	No	N/A	N/A
Atlantic Mackerel, Squid, and Butterfish	Atlantic Mackerel	MAFMC	No	No	No	N/A	N/A
Atlantic Mackerel, Squid, and Butterfish	Butterfish (Atlantic)	MAFMC	No	Yes	N/A	rebuilding program	not submitted
Tilefish	Golden Tilefish (except South Atlantic and Gulf of Mexico)	MAFMC	No	No - rebuilding	No	continue rebuilding <sup>1</sup>	6/10-year plan
South Atlantic Shrimp	White Shrimp	SAFMC	No	No	No	N/A	N/A

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South Atlantic Shrimp	Rock Shrimp	SAFMC	No	No	No	N/A	N/A
South Atlantic Shrimp	Brown Shrimp	SAFMC	No	No	No	N/A	N/A
South Atlantic Shrimp	Pink Shrimp	SAFMC	No	Yes <sup>15</sup>	N/A	To be determined in March 2007 <sup>16</sup>	Council review in March 2007 <sup>16</sup>
South Atlantic Snapper-Grouper	Vermilion Snapper	SAFMC	Yes <sup>17</sup>	Unknown <sup>18</sup>	Unknown	reduce mortality	N/A
South Atlantic Snapper-Grouper	Red Snapper	SAFMC	Yes <sup>19</sup>	Unknown <sup>20</sup>	Unknown	reduce mortality	N/A
South Atlantic Snapper-Grouper	Snowy Grouper	SAFMC	Yes <sup>21</sup>	Yes	N/A	reduce mortality continue rebuilding	14/15-year plan* <sup>22</sup>
South Atlantic Snapper-Grouper	Tilefish	SAFMC	Yes <sup>23</sup>	No	No	reduce mortality	N/A <sup>24</sup>
South Atlantic Snapper-Grouper	Red Grouper	SAFMC	Yes	Unknown <sup>20</sup>	Unknown	reduce mortality	N/A
South Atlantic Snapper-Grouper	Black Sea Bass	SAFMC	Yes <sup>21</sup>	Yes	N/A	reduce mortality continue rebuilding	6/10-year plan <sup>22</sup>
South Atlantic Snapper-Grouper	Gag	SAFMC	Yes <sup>25</sup>	No	No	reduce mortality	N/A
South Atlantic Snapper-Grouper	Greater Amberjack	SAFMC	No	No	No	N/A	N/A
South Atlantic Snapper-Grouper	Scamp	SAFMC	No	Unknown <sup>26</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	White Grunt	SAFMC	No	Unknown <sup>26</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Black Grouper	SAFMC	Yes	Unknown <sup>20</sup>	Unknown	reduce mortality	N/A
South Atlantic Snapper-Grouper	Gray Triggerfish	SAFMC	No	Unknown <sup>26</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Hogfish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A

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South Atlantic Snapper-Grouper	Red Porgy	SAFMC	No	Yes	N/A	continue rebuilding	8/18-year plan
South Atlantic Snapper-Grouper	Speckled Hind	SAFMC	Yes <sup>27</sup>	Unknown <sup>20</sup>	Unknown	reduce mortality	N/A
South Atlantic Snapper-Grouper	Warsaw Grouper	SAFMC	Yes <sup>27</sup>	Unknown <sup>20</sup>	Unknown	reduce mortality	N/A
South Atlantic Snapper-Grouper	Wreckfish	SAFMC	No	Unknown <sup>28</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper and Reef Fish Resources of the Gulf of Mexico	Goliath Grouper	SAFMC/ GMFMC	Unknown	Unknown <sup>29</sup>	N/A	N/A	N/A
Dolphin Wahoo and Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	Dolphin	SAFMC / GMFMC	No	No	No	N/A	N/A
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	King Mackerel - Gulf Group	SAFMC / GMFMC	No	No - rebuilding	No	continue rebuilding <sup>1</sup>	year 19 of plan**
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	King Mackerel - Atlantic Group	SAFMC / GMFMC	No	No	No	N/A	N/A
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	Spanish Mackerel - Gulf Group	SAFMC / GMFMC	No	No	No	N/A	N/A
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	Spanish Mackerel - Atlantic Group	SAFMC / GMFMC	No	No	No	N/A	N/A
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	Little Tunny	SAFMC/ GMFMC	No	Unknown <sup>30</sup>	Unknown	N/A	N/A
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	Cobia	SAFMC/ GMFMC	No	No	No	N/A	N/A
South Atlantic Snapper-Grouper and Reef Fish Resources of the Gulf of Mexico	Yellowtail Snapper	SAFMC/ GMFMC	No <sup>31</sup>	No <sup>31</sup>	No	N/A	N/A
Gulf of Mexico / South Atlantic Spiny Lobster	Spiny Lobster	SAFMC / GMFMC	No	Unknown	Unknown	N/A	N/A

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Gulf of Mexico Stone Crab	Stone Crab	GMFMC	No	Undefined <sup>32</sup>	Unknown	N/A	N/A
Gulf of Mexico Shrimp	Brown Shrimp	GMFMC	No	No	No	N/A	N/A
Gulf of Mexico Shrimp	Pink Shrimp	GMFMC	No	No	No	N/A	N/A
Gulf of Mexico Shrimp	White Shrimp	GMFMC	No	No	No	N/A	N/A
Gulf of Mexico Shrimp	Royal Red Shrimp	GMFMC	No	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Red Snapper	GMFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	6/31-year plan
Reef Fish Resources of the Gulf of Mexico	Red Grouper	GMFMC	Yes <sup>33</sup>	No - rebuilding	No	reduce mortality continue rebuilding <sup>1</sup>	4/10-year plan
Reef Fish Resources of the Gulf of Mexico	Greater Amberjack	GMFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	4/10-year plan <sup>34</sup>
Reef Fish Resources of the Gulf of Mexico	Vermilion Snapper	GMFMC	No	No	No	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Gag	GMFMC	Yes	Undefined <sup>35</sup>	Unknown	reduce mortality	N/A
Reef Fish Resources of the Gulf of Mexico	Gray Triggerfish	GMFMC	Yes	Undefined	Unknown	reduce mortality	N/A
Reef Fish Resources of the Gulf of Mexico	Yellowedge Grouper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Snowy Grouper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Black Grouper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Hogfish	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Nassau Grouper	GMFMC	No <sup>36</sup>	Undefined <sup>37</sup>	Unknown	N/A	N/A
Gulf of Mexico Red Drum	Red Drum	GMFMC	No	Undefined <sup>37</sup>	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Snapper Unit 1 <sup>38</sup>	CFMC	Yes	No	Yes <sup>39</sup>	reduce mortality	N/A

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Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Snapper Unit 4 <sup>40</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Grouper Unit 1 <sup>41</sup>	CFMC	Yes <sup>42</sup>	Yes	N/A	reduce mortality continue rebuilding	2/25-year plan
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Grouper Unit 2 <sup>43</sup>	CFMC	No <sup>44</sup>	Yes	N/A	continue rebuilding	2/30-year plan
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Snapper Unit 3 <sup>45</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Grouper Unit 4 <sup>46</sup>	CFMC	Yes	Yes	N/A	reduce mortality continue rebuilding	2/10-year plan
Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands	Spiny Lobster	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Queen Conch Resources of Puerto Rico and the U.S. Virgin Islands	Queen Conch	CFMC	Yes <sup>47</sup>	Yes	N/A	reduce mortality continue rebuilding	2/30-year plan
Pacific Coast Groundfish	Pacific Ocean Perch	PFMC	No <sup>48</sup>	Yes	N/A	continue rebuilding	7/18-year rebuilding plan <sup>49</sup>
Pacific Coast Groundfish	Bocaccio	PFMC	No <sup>48</sup>	Yes	N/A	continue rebuilding	7/27-year rebuilding plan <sup>49</sup>
Pacific Coast Groundfish	Canary Rockfish	PFMC	No <sup>48</sup>	Yes	N/A	continue rebuilding	6/63-year rebuilding plan <sup>49</sup>
Pacific Coast Groundfish	Darkblotched Rockfish	PFMC	No <sup>48</sup>	Yes	N/A	continue rebuilding	5/10-year rebuilding plan <sup>49</sup>
Pacific Coast Groundfish	Cowcod	PFMC	No <sup>48</sup>	Yes	N/A	continue rebuilding	6/39-year rebuilding plan <sup>49</sup>
Pacific Coast Groundfish	Yelloweye Rockfish	PFMC	No <sup>48</sup>	Yes	N/A	continue rebuilding	4/82-year rebuilding plan <sup>49</sup>
Pacific Coast Groundfish	Lingcod	PFMC	No <sup>48</sup>	No	No	N/A	Rebuilt

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Pacific Coast Groundfish	Widow Rockfish	PFMC	No <sup>48</sup>	No - rebuilding	No	continue rebuilding <sup>1</sup>	5/14-year rebuilding plan <sup>49</sup>
Pacific Coast Groundfish	Shortspine Thornyhead	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Black Rockfish - North	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Pacific Whiting	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Bank Rockfish	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Longspine Thornyhead	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Yellowtail Rockfish	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Sablefish	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Dover Sole	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	English Sole	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Petrals Sole	PFMC	Yes <sup>48</sup>	No	No	reduce mortality	N/A
Pacific Coast Groundfish	Chilipepper Rockfish	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Arrowtooth Flounder	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Cabezon - South	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Pacific Cod	PFMC	Unknown	Unknown	Unknown	N/A	N/A



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Pacific Coast Groundfish	Rex Sole	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Sand Sole	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Starry Flounder	PFMC	Unknown	No	No	N/A	N/A
Pacific Coast Groundfish	Blackgill Rockfish	PFMC	No <sup>48</sup>	No	No	N/A	N/A
Pacific Coast Groundfish	Blue Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Brown Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Gopher Rockfish	PFMC	Unknown	No	No	N/A	N/A
Pacific Coast Groundfish	Splitnose Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Vermilion Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Spiny Dogfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	California Scorpionfish	PFMC	Unknown	No	No	N/A	N/A
Pacific Coast Groundfish	Kelp Greenling - Oregon	PFMC	Unknown	No	No	N/A	N/A
Pacific Coast Groundfish	Longnose Skate	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pacific Rattail	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pacific Sanddab	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Rougheye Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A

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Pacific Coast Groundfish	Shortbelly Rockfish	PFMC	No	No	No	N/A	N/A
Coastal Pelagic Species	Pacific (Chub) Mackerel	PFMC	No	No	No	N/A	N/A
Coastal Pelagic Species	Pacific Sardine	PFMC	No	No	No	N/A	N/A
Coastal Pelagic Species	Jack Mackerel	PFMC	No	Undefined	Unknown	N/A	N/A
Coastal Pelagic Species	Northern Anchovy - Central Subpopulation	PFMC	No	Undefined	Unknown	N/A	N/A
Coastal Pelagic Species	Market Squid	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Coastal Pelagic Species	Northern Anchovy - Northern Subpopulation	PFMC	Undefined	Undefined	Unknown	N/A	N/A
West Coast Highly Migratory Species	Skipjack Tuna - Eastern Pacific <sup>50</sup>	PFMC	No	No	No	N/A	N/A
West Coast Highly Migratory Species	Yellowfin Tuna - Eastern Pacific <sup>51</sup>	PFMC	Yes	No	No	reduce mortality	N/A
West Coast Highly Migratory Species	Striped Marlin - Eastern Pacific <sup>50</sup>	PFMC	No	No	No	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Bigeye Tuna - Pacific <sup>52</sup>	PFMC/ WPFMC	Yes	No	Unknown	reduce mortality	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Bluefin Tuna - Pacific	PFMC/ WPFMC	Unknown	Unknown	Unknown	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Albacore - North Pacific <sup>53</sup>	PFMC/ WPFMC	Unknown	Unknown	Unknown	N/A	N/A

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West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Swordfish - North Pacific	PFMC/ WPFMC	No	No	No	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Dolphinfish (Dorado or Mahimahi) - Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Blue Shark - North Pacific	PFMC / WPFMC	No	No	No	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Skipjack Tuna - Central Western Pacific <sup>50</sup>	WPFMC	No	No	No	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Yellowfin Tuna - Central Western Pacific <sup>51</sup>	WPFMC	Yes	No	No	reduce mortality	N/A
Pelagic Fisheries of the Western Pacific Region	Striped Marlin - Central Western Pacific <sup>50</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Albacore - South Pacific	WPFMC	No	No	No	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Indo-Pacific Blue Marlin - Pacific	WPFMC	No	No	No	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Shortbill Spearfish - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Wahoo - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Moonfish (Opah) - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Kawakawa - Tropical Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Bottomfish Multi-Species Complex - Hawaiian Archipelago <sup>54</sup>	WPFMC	Yes	No	No	reduce mortality	N/A

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Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Bottomfish Multi-Species Complex - American Samoa <sup>54</sup>	WPFMC	No	No	No	N/A	N/A
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Bottomfish Multi-Species Complex - Guam <sup>54</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Seamount Groundfish Complex - Hancock Seamount <sup>55</sup>	WPFMC	Unknown	***Yes <sup>56</sup>	N/A	continue rebuilding	in progress <sup>57</sup>
Coral Reef Ecosystems of the Western Pacific Region	Coral Reef Ecosystem Multi-Species Complex - Hawaiian Archipelago <sup>58</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystems of the Western Pacific Region	Bigeye Scad - Hawaiian Archipelago <sup>59</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystems of the Western Pacific Region	Mackerel Scad - Hawaiian Archipelago <sup>59</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Walleye Pollock - Western/Central	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Pacific Cod	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Arrowtooth Flounder	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Pacific Ocean Perch (Includes Western, Central And Eastern) <sup>60</sup>	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Northern Rockfish - Western / Central	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Flathead Sole	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Dusky Rockfish (Indicator Species For Pelagic Shelf Rockfish Complex) <sup>61</sup>	NPFMC	No	No	No	N/A	N/A

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Gulf of Alaska Groundfish	Dover Sole (Indicator Species For Deepwater Flatfish Complex) <sup>62</sup>	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Rex Sole	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Shortspine Thornyhead (Indicator Species For Thornyhead Rockfish Complex) <sup>63</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Yelloweye Rockfish (Indicator Species For Demersal Shelf Rockfish Complex) <sup>64</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Rougheye Rockfish <sup>65</sup>	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Walleye Pollock - Eastern Bering Sea	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Walleye Pollock - Aleutian Islands	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Pacific Cod	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Yellowfin Sole	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Greenland Turbot	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Arrowtooth Flounder <sup>66</sup>	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Rock Sole <sup>67</sup>	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Flathead Sole <sup>68</sup>	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Pacific Ocean Perch	NPFMC	No	No	No	N/A	N/A

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Bering Sea / Aleutian Islands Groundfish	Atka Mackerel	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Alaska Plaice	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Northern Rockfish	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Rougeye Rockfish	NPFMC	No	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands Groundfish and Gulf of Alaska Groundfish	Sablefish <sup>69</sup>	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Blue King Crab - Pribilof Islands	NPFMC	No <sup>70</sup>	Yes	N/A	continue rebuilding	3/10-year plan
Bering Sea / Aleutian Islands King and Tanner Crabs	Blue King Crab - Saint Matthews Island	NPFMC	No <sup>70</sup>	Yes	N/A	continue rebuilding	7/10-year plan
Bering Sea / Aleutian Islands King and Tanner Crabs	Golden King Crab - Aleutian Islands	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Red King Crab - Aleutian Islands, Adak	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Red King Crab - Bristol Bay	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Red King Crab - Norton Sound	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Red King Crab - Pribilof Islands	NPFMC	No <sup>70</sup>	No	Unknown <sup>3</sup>	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Snow Crab - Bering Sea	NPFMC	No	No - rebuilding	No	continue rebuilding	7/10-year plan
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Eastern Bering Sea	NPFMC	No	No - rebuilding	N/A	continue rebuilding	7/10-year plan
Atlantic Highly Migratory Species	Blue Marlin - Atlantic	HMS	Yes	Yes	N/A	reduce mortality rebuilding program	Phase I implemented <sup>71</sup>
Atlantic Highly Migratory Species	White Marlin - Atlantic	HMS	Yes	Yes	N/A	reduce mortality rebuilding program	Phase I implemented <sup>71</sup>

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Atlantic Highly Migratory Species	Sailfish - West Atlantic	HMS	Yes	Yes	N/A	reduce mortality rebuilding program	not internationally implemented <sup>72</sup>
Atlantic Highly Migratory Species	Bigeye Tuna - Atlantic	HMS	Yes	Yes	N/A	reduce mortality rebuilding program	not internationally implemented <sup>73</sup>
Atlantic Highly Migratory Species	Albacore - North Atlantic	HMS	Yes <sup>74</sup>	Yes	N/A	reduce mortality rebuilding program	not internationally implemented <sup>75</sup>
Atlantic Highly Migratory Species	Bluefin Tuna - West Atlantic	HMS	Yes	Yes	N/A	reduce mortality continue rebuilding	8/20-year plan <sup>76</sup>
Atlantic Highly Migratory Species	Yellowfin Tuna - Atlantic	HMS	No	No	Yes	N/A	N/A
Atlantic Highly Migratory Species	Swordfish - North Atlantic	HMS	No	No - rebuilding	N/A	continue rebuilding	7/10-year plan <sup>77</sup>
Atlantic Highly Migratory Species	Sandbar Shark <sup>78</sup>	HMS	Yes	Yes	N/A	reduce mortality continue rebuilding	4/26-year plan <sup>79</sup>
Atlantic Highly Migratory Species	Gulf of Mexico Blacktip Shark <sup>80</sup>	HMS	No	No	No	N/A	N/A
Atlantic Highly Migratory Species	Atlantic Blacktip Shark <sup>80</sup>	HMS	Unknown	Unknown	Unknown	N/A	N/A
Atlantic Highly Migratory Species	Large Coastal Shark Complex <sup>81</sup>	HMS	Unknown <sup>82</sup>	Unknown <sup>82</sup>	Unknown	reduce mortality continue rebuilding <sup>83</sup>	4/26-year plan <sup>83</sup>
Atlantic Highly Migratory Species	Finetooth Shark <sup>84</sup>	HMS	Yes	No	No	reduce mortality	N/A
Atlantic Highly Migratory Species	Atlantic Sharpnose Shark <sup>84</sup>	HMS	No	No	No	N/A	N/A
Atlantic Highly Migratory Species	Blacknose Shark <sup>84</sup>	HMS	No	No	No	N/A	N/A
Atlantic Highly Migratory Species	Bonnethead Shark <sup>84</sup>	HMS	No	No	No	N/A	N/A
Atlantic Highly Migratory Species	Small Coastal Shark Complex <sup>85</sup>	HMS	No	No	No	N/A	N/A

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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Atlantic Highly Migratory Species	Shortfin Mako Shark <sup>86</sup>	HMS	Unknown	Unknown	Unknown	N/A	N/A
Atlantic Highly Migratory Species	Porbeagle Shark <sup>86</sup>	HMS	No	Yes	N/A	rebuilding program	to be developed <sup>87</sup>
Atlantic Highly Migratory Species	Blue Shark <sup>86</sup>	HMS	Unknown	Unknown	Unknown	N/A	N/A
Atlantic Highly Migratory Species	Dusky Shark	HMS	Yes	Yes	N/A	reduce mortality rebuilding program	to be developed <sup>88</sup>



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\* Pre-SFA Rebuilding Plan with a timeline defined.

\*\*Pre-SFA Rebuilding Plan with no timeline defined.

\*\*\*The overfished definition for this stock is pre-SFA.

1. This stock is currently above the minimum stock size threshold; however, it was previously below this level and rebuilding must continue until the stock is at a level consistent with MSY.
2. The New England Fishery Management Council was notified on 7/8/05 that this stock is overfished and they are required to submit a rebuilding plan within one year of this date.
3. While the biomass level is known, determining whether the stock is approaching an overfished condition requires an additional level of analysis which has not been done.
4. There is currently not enough information available to develop a rebuilding plan.
5. Exact rebuilding time period unspecified in the FMP. Rebuilding may take decades, based on the long-lived, late maturing, and low fecundity nature of this species.
6. Although the red crab stock is currently listed as no overfishing and unknown for overfished, the most recent assessment (SAW 43) concluded that overfishing and overfished status were both unknown, that reference points were uncertain and unreliable, and they should be revisited in a future assessment. Nevertheless, the status of this stock with respect to fishing mortality rate and biomass level was not changed in this report.
7. Although this monkfish stock is currently listed as overfishing occurring, the most recent assessment (SAW 40) was not able to precisely determine current exploitation rates (although all candidate values were above a candidate  $F_{\text{THRESHOLD}}$ ). Nevertheless, the status of this stock with respect to fishing mortality rate was not changed in this table.
8. When data from the 2005 NEFSC Fall bottom trawl survey were included in the moving average calculation, monkfish were determined to be overfished. The overfished notification was provided in a memo from John Boreman to Pat Kurkul on February 17, 2006. The 2005 survey occurred after SAW 40.
9. There is currently no definition contained in the spiny dogfish FMP to make a determination of overfished because there is no approved minimum biomass level; however, based on current NMFS recommended biomass threshold, the biomass estimates indicate the stock is not overfished.
10. Although the 5-year rebuilding plan for spiny dogfish expired on 2/10/05, this stock continues to be managed conservatively through low fishing mortality rates and no directed fishery.
11. Although the 10-year rebuilding plan for summer flounder remained in effect through 12/31/06, the recent Reauthorization of the Magnuson-Stevens Act will result in extending the summer flounder rebuilding plan to 1/1/2013.
12. Although the scup stock is currently listed as overfishing occurring, the most recent assessment (SAW 35) was not able to precisely determine current exploitation rates. Nevertheless, the status of this stock with respect to fishing mortality rate was not changed in this report.
13. Although the black sea bass stock is currently listed as not subject to overfishing and not overfished, the most recent assessment (SAW 43) was not able to determine reliable estimates of fishing mortality or biomass, and reference points were found to be uncertain and unreliable. An updated stock assessment looking at improved reference points was recommended. In this report, the status of this stock with respect to fishing mortality rate and biomass level was not changed.
14. Although the *Illex* stock is currently listed as overfishing not occurring, the most recent stock assessment (SAW42) was not able to precisely determine current exploitation rates or stock biomass. Nevertheless, the status of this stock with respect to fishing mortality rate and biomass level was not changed in this report.

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15. Pink shrimp is an annual crop. A decrease in biomass is likely the result of environmental variables rather than overfishing. A panel will be convened at the March 2007 meeting to review the status of pink shrimp and determine if any actions are needed.
16. Based on spring 2006 CPUE information from SEAMAP-SA, South Atlantic pink shrimp would be overfished since CPUE estimates would have been below 0.461 for two consecutive years. Pink shrimp are an annual crop. Low CPUE is not necessarily a function of fishing pressure since stock size is a function of environmental variables. If the 2006 SEAMAP-SA data (due in December 2006) indicate CPUE is below 0.461, the Council will convene the Shrimp Stock Assessment Panel, Shrimp Advisory Panel, and Shrimp Committee to review the cause of the decline in status and recommend any appropriate Council action to address the problem.
17. Amendment 13C, implemented in October 2006, established management regulations intended to end overfishing immediately.
18. The most recent SEDAR (South East Data, Assessment and Review) report on vermilion snapper concluded that there was a high degree of uncertainty regarding its status and recommended that it be considered unknown. Although this assessment did not use criteria contained in the FMP, it is regarded as the best available information.
19. A 20-inch TL minimum size limit was put into place in 1992. The last estimate of fishing mortality was based on data through 1999.
20. The overfished determination for this stock has been changed to unknown to better reflect the current knowledge of its status. The previous pre-SFA determination of overfished for this stock was based on spawning potential ratio (SPR), which is inadequate to determine the overfished status. A biomass-based determination that is SFA-compliant cannot be made at this time.
21. Amendment 13C, implemented in October 2006, gradually reduces fishing mortality for black sea bass and snowy grouper. Overfishing for these species should end in 2009.
22. Amendment 15 to the Snapper-Grouper FMP will establish a new post-SFA rebuilding plan for this stock. The plan is scheduled to be implemented in 2007.
23. Amendment 13C implemented management measures to end overfishing. As the commercial quota specified in Amendment 13C was exceeded upon implementation of new regulations on October 23, 2006, overfishing should end in 2007.
24. This stock was previously listed as rebuilding under a 15-year pre-SFA rebuilding plan; however, the most recent stock assessment (SEDAR 4, 2004) found that this stock was never overfished and the most current estimate of biomass is slightly below  $B_{MSY}$ . The final rule to implement Amendment 13C was published on September 21, 2006 (71 FR 55096), which implements measures to end overfishing in 2007.
25. Results from a new SEDAR assessment will become available in February 2007. The Council's SSC will review the results in June 2007.
26. The overfished determination of this stock has been changed to unknown to better reflect the current knowledge of its status. The previous pre-SFA determination of not overfished for this stock was based on spawning potential ratio (SPR), which is inadequate to determine the overfished status. A biomass-based determination that is SFA-compliant cannot be made at this time.
27. In 1994, Amendment 6 established a 1 fish trip limit (recreational and commercial) and prohibited sale of warsaw grouper and speckled hind. Fishing mortality could still be high due to poor survival of released fish.
28. The overfished determination for this stock has been changed to unknown to better reflect the current knowledge of its status. The previous pre-SFA determination of not overfished for this stock was based on spawning potential ratio (SPR), which is inadequate to determine the overfished status. A biomass-based determination that is SFA-compliant cannot be made at this time. However, landings are at extremely low levels and there are only two participants in the fishery.

## 2006 Status of U.S. Fisheries

29. The overfished determination for this stock has been changed to unknown to better reflect the current knowledge of its status. The previous pre-SFA overfished determination was based on qualitative data, not a biomass-based stock assessment. Although a pre-SFA definition of overfished based on spawning potential ratio (SPR) was approved prior to the SFA amendments, it has since been rejected by the Secretary of Commerce because it is not biomass-based and therefore does not meet criteria specified in the SFA. A biomass-based assessment for goliath grouper (Gulf and Atlantic) was completed in June 2004. A review of the assessment stated "In the absence of biomass, it was not possible to estimate all standard stock benchmarks. MSY and other benchmarks referencing absolute biomass could not be estimated. An MSST relative to pristine stock state could not be estimated." The South Atlantic has defined  $MSST = 1 - M(0.5)B_{MSY}$  for goliath grouper. However, in the Gulf of Mexico, MSST has not been defined for this species. Therefore, goliath grouper overfished status is unknown in the South.

Atlantic and the overfished status in the Gulf of Mexico is undefined. A post-SFA definition of overfished for goliath grouper was approved in Amendment 11 to the Snapper Grouper Fishery Management Plan for the South Atlantic, but has yet to be defined by the Gulf of Mexico Fishery Management Council. The Gulf Council intends to develop post-SFA overfished definitions for reef fish in the near future.

30. Although a biomass based assessment for little tunny was completed in 2002, the minimum stock size threshold (MSST), or the overfished level, has not been defined for this stock. The assessment indicated little tunny was probably not overfished since current biomass was very close to  $B_{msy}$  ( $B/B_{msy} = 0.961$ ). However, since MSST has not been defined for this stock, the official status is undefined. Efforts will be made to define MSST for little tunny.

31. The most current assessment for this stock (Muller et al. 2003) has concluded that overfishing is not occurring, nor is it overfished. Although this assessment did not use criteria contained in the FMP, it is regarded as the best available information. The South Atlantic has defined  $MSST = 1 - M(0.5)B_{msy}$  for yellowtail snapper. However, in the Gulf of Mexico, MSST has not been defined for this species. Therefore, the yellowtail snapper is not overfished in the South Atlantic and the overfished status in the Gulf of Mexico is undefined.

32. The overfished determination for this stock has been changed to undefined to better reflect the current knowledge of its status. The previous pre-SFA determination did not actually assess the overfished status of this stock. A post-SFA definition of overfished cannot be defined at this time.

33. Secretarial Amendment 1 (2004) and a Recreational Regulatory Amendment in 2006 have taken actions to end overfishing.

34. This stock was previously listed as being in a 7-year rebuilding plan, when in fact it is in a 10-year rebuilding plan. The rebuilding plan was implemented on July 3, 2003.

35. The Gulf Council has not approved a post-SFA overfished definition for gag; therefore, the stock status is listed as undefined. Based on definitions of MSST currently under consideration by the Council in Amendment 30, gag would not be considered overfished.

36. Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.

37. The overfished determination for this stock has been changed to undefined to better reflect the current knowledge of its status. The previous pre-SFA determination of overfished for this stock was based on spawning potential ratio (SPR), which is inadequate to determine the overfished status. At this time, there is no SFA-approved biomass-based definition for determining the overfished status.

38. This unit (Snapper Unit 1) is part of the Caribbean Reef Fish FMU and is composed of silk, black, vermilion, and blackfin snapper; silk snapper is the indicator species for this unit.

39. Snapper Unit 1 is considered "at risk" by the SFA Working Group and the CFMC ( $B_{CURRENT}/B_{MSY} = 0.75$ ;  $F_{CURRENT}/F_{MSY} = 1.5$ ).

40. This unit (Snapper Unit 4) is part of the Caribbean Reef Fish FMU and is composed of yellowtail snapper.

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41. This unit (Grouper Unit 1) is part of the Caribbean Reef Fish FMU and is composed of Nassau grouper.
42. The fishery in the EEZ is closed. The fishery was closed in the territorial waters of the USVI on January 1, 2007.
43. This unit (Grouper Unit 2) is part of the Caribbean Reef Fish FMU and is composed of Goliath grouper.
44. Fishery in the EEZ and territorial waters of the USVI is closed; therefore, fishing mortality is very low.
45. This unit (Snapper Unit 3) is part of the Caribbean Reef Fish FMU and is composed of gray, lane, mutton, dog, schoolmaster, and mahogany snapper; at present, there are more data for mutton snapper than for the other species contained in this unit, but no indicator species has been identified.
46. This unit (Grouper Unit 4) is part of the Caribbean Reef Fish FMU and is composed of red, misty, tiger, yellowedge, and yellowfin grouper; yellowfin grouper is the indicator species for the unit.
47. Fishery for queen conch is closed in all areas except Lang Bank, east of St. Croix.
48. Evaluation of overfishing based on the 2005 calendar year.
49. Amendment 16-4 to the FMP revised the rebuilding parameters for this stock within the FMP and within implementing Federal regulation. NMFS approved Amendment 16-4 on November 30, 2006, and published a final rule for Amendment 16-4 and the 2007-2008 groundfish specifications and management measures on December 29, 2006 (71 FR 78638). Consequently, this stock is currently rebuilding under management measures that conform to Amendment 16-4. This amendment set target rebuilding dates and harvest control rules for this species in Federal Regulations. Prior to Amendment 16-4, the Pacific Fishery Management Council had set  $T_{target}$  in part by considering the probability of rebuilding the stock by  $T_{max}$ . The Council may continue to review the probability of rebuilding the stock by  $T_{max}$  given differing  $F$  rates, a reference parameter known as " $P_{max}$ ." The Magnuson-Stevens Act, however, simply requires that rebuilding periods be as short as possible, taking into account the status and biology of the stock, the needs of fishing communities, and the interaction of the overfished stock with the marine ecosystem. Based on Amendment 16-4,  $T_{target}$  was revised for all stocks under a rebuilding plan. The most notable revision was the rebuilding plan for darkblotched rockfish, which previously had a 29-year rebuilding plan.
50. Even though this stock is shown to be under the jurisdiction of a single Council and under the management of a single FMP, it is acknowledged that both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council have jurisdiction over this stock, and it is managed under both the West Coast Highly Migratory Species FMP and the Western Pacific Pelagics FMP. The Council indicated here is the lead Council for the purposes of this report.
51. Even though yellowfin tuna is shown to be under the jurisdiction of a single Council and under the management of a single FMP, it is acknowledged that both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council have jurisdiction over this stock, and it is managed under both the West Coast Highly Migratory Species FMP and the Western Pacific Pelagics FMP. The Council indicated here is the lead Council for the purpose of this report. The determination of overfishing of the stock in the Western Central Pacific Ocean is based on the latest estimate (August 2006) of  $F_{current}/F_{msy} = 1.11$ . This estimate was provided by the Scientific Committee of the Commission for the Conservation and Management of Highly Migratory Fish Stocks in the WCPO and applies to this stock only, not the Eastern Pacific stock. The determination of overfishing of the stock in the Eastern Pacific Ocean is based on the latest (May 2006) estimate of  $F_{CURRENT}/F_{MSY} = 1.02$ . This estimate is provided by research by the Inter-American Tropical Tuna Commission.
52. The status of bigeye tuna in the Pacific Ocean has typically been assessed for two separate regions, the eastern Pacific Ocean (EP) and the central and western Pacific Ocean (CWP). That approach is based on the areas of authority and interest of the regional fishery management organizations, particularly the Inter-American Tropical Tuna Commission in the EP and the Western and Central Pacific Fisheries Commission in the CWP and assumed population structure of bigeye tuna in the Pacific (which is not well known).

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53. The status of Albacore - North Pacific is based on a suite of  $F_{MSY}$  proxies ( $F_{40\%}$ ,  $F_{30\%}$  and  $F_{0.1}$ ), two estimated levels of recent fishing pressure ( $F=0.43$  and  $F=0.68$ ), and two scenarios of productivity (low R and high R). The resulting ratios of  $F/F_{MSY}$  range from 1.02 to 2.26. However, the PFMC has not adopted a proxy for  $F_{MSY}$  and thus status is listed as "unknown." The ratios of  $B/B_{MSY}$  range from 0.67 to 1.07 against an overfished criteria of  $< 0.7$  (see Appendix 2 of this report, 2005 PFMC HMS SAFE document, PFMC HMS FMP and 19th NPALPW Report for details).
54. This complex contains up to 19 species including Seabass - hapuu'upu, Squirrelfish Snapper - ehū, Longtail Snapper - onaga, Silver Jaw Jobfish - lehi, Gray Jobfish - uku, Blueline Snapper, Yellowtail Snapper - yellow tail kalekale, Crimson jobfish - opakapaka, Yelloweye Snapper - yelloweye opakapaka, Von Siebolds Snapper - kalekale, Oblique-Banded Snapper - gindai, Giant Trevally - white ulua, Black Jack - black ulua, Thick Lipped Trevally - pig ulua, Amberjack - kahala, Blacktip Grouper, Lunartail Grouper, Ambon Emperor, and Redgill Emperor. Assessments are made for multi-species stock complexes, one complex for each of the Hawaiian Archipelago, American Samoa, and Guam.
55. This stock complex uses pelagic armorhead as the indicator species of a three-species seamount groundfish complex that includes raftfish and alfonsin.
56. Post-SFA overfishing/overfished definitions were approved in 2003 for the seamount groundfish stock complex, for which pelagic armorhead is assessed as the indicator species, but determinations have not yet been made relative to those new definitions.
57. This stock complex does not have a formal rebuilding plan or time period for rebuilding. The fishery in the U.S. EEZ has been closed under sequential 6-year moratoria since the inception of the FMP in 1986. The current moratorium is effective until 2010. These moratoria have been treated by NMFS as a de facto rebuilding plan, and previous versions of this report referred to the cumulative period of these moratoria as the time period for rebuilding. The WPFMC is currently considering more permanent conservation and management measures for this stock complex.
58. This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
59. Bigeye and mackerel scads in Hawaii are predominantly harvested by plane-directed purse seine (a delimited gear type) and are amenable to a catch-based stock assessment pending update beyond 1997, the most recent catch records used in the preliminary assessment done by Weng and Sibert (2000. Analysis of the fisheries for two pelagic carangids in Hawaii. SOEST 00-04. JIMAR Contribution 00-332).
60. Although Pacific ocean perch is managed separately in the Western, Central, and Eastern areas, with separate overfishing levels, ABCs, and TACs based on the proportion of biomass in each respective area, separate assessments are not conducted for each of these three regions; the assessment is based on aggregated data from throughout the Gulf of Alaska. Therefore, it is not appropriate to list separate status determinations for these three areas.
61. The Pelagic Shelf Rockfish Complex consists of the following stocks: Dark Rockfish, Dusky Rockfish, Widow Rockfish, and Yellowtail Rockfish. The overfished determination is based on Dusky Rockfish as an indicator species; the overfishing determination is based on the OFL, which is computed by using the dusky rockfish assessment combined with abundance estimates for the remainder of the complex.
62. The Deep Water Flatfish Complex consists of the following stocks: Deepsea Sole, Dover Sole, and Greenland Turbot. The overfished determination is based on Dover Sole as an indicator species; the overfishing determination is based on the OFL, which is computed by using the dover sole assessment combined with abundance estimates for the remainder of the complex.
63. The Thornyhead Rockfish Complex consists of the following stocks: Longspine Thornyhead and Shortspine Thornyhead. The overfishing determination is based on the OFL, which is computed using abundance estimates of Shortspine Thornyhead.

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64. The Demersal Shelf Rockfish Complex consists of the following stocks: Canary Rockfish, China Rockfish, Copper Rockfish, Quillback Rockfish, Rosethorn Rockfish, Tiger Rockfish, and Yelloweye Rockfish. The overfishing determination is based on the OFL, which is computed by using estimates of Yelloweye Rockfish and then increased by 10% to account for the remaining members of the complex.
65. Rougheye Rockfish was previously part of the Shortraker / Rougheye Rockfish Complex, which consisted of the following stocks: Rougheye Rockfish and Shortraker Rockfish. It is now assessed as a single stock and is no longer part of this complex.
66. Arrowtooth Flounder consists of Arrowtooth Flounder and Kamchatka Flounder. Arrowtooth Flounder accounts for the overwhelming majority of the biomass and is regarded as the indicator species for the complex. The overfished determination is based on the combined abundance estimates for the two species; the overfishing determination is based on the OFL, which is computed from the combined abundance estimates for the two species.
67. Rock Sole consists of Northern Rock Sole and Southern Rock Sole (NOTE: These are two distinct species, not two separate stocks of the same species). Northern Rock Sole accounts for the overwhelming majority of the biomass and is regarded as the indicator species for the complex. The overfished determination is based on the combined abundance estimates for the two species; the overfishing determination is based on the OFL, which is computed from the combined abundance estimates for the two species.
68. Flathead Sole consists of Flathead Sole and Bering Flounder. Flathead Sole accounts for the overwhelming majority of the biomass and is regarded as the indicator species for the complex. The overfished determination is based on the combined abundance estimates for the two species; the overfishing determination is based on the OFL, which is computed from the combined abundance estimates for the two species.
69. Although sablefish is managed separately in the Gulf of Alaska, Bering Sea, and Aleutian Islands, with separate overfishing levels, ABCs, and TACs based on the proportion of biomass in each respective region, separate assessments are not conducted for each of these three regions; the assessment is based on aggregated data from the Gulf of Alaska, Bering Sea, and Aleutian Islands regions. Therefore, it is not appropriate to list separate status determinations for these three regions.
70. Fishery in the EEZ is closed; therefore, fishing mortality is very low.
71. For the overfished North Atlantic blue and white marlins, Amendment One to the Atlantic Billfish FMP established a foundation to develop an international rebuilding plan. An international rebuilding plan with a two-phase approach was adopted in 2000 by ICCAT; Phase I has been implemented, while the United States continues to work toward its full implementation. It should be noted that the ICCAT rebuilding program does not satisfy all the requirements of the Magnuson-Stevens Act. NMFS is continuing to work domestically to monitor its fisheries and promote conservation. The SCRS conducted assessments of blue and white marlin in 2006.
72. For overfished sailfish, Amendment One to the Atlantic Billfish FMP established the foundation to develop an international 10-year rebuilding program. While steps have been taken internationally to pursue recovery of the overfished west Atlantic sailfish stock, an international rebuilding program has not yet been adopted. NMFS is continuing to work through ICCAT to establish an international rebuilding program and is working domestically to monitor its fisheries and promote conservation.
73. For the overfished Atlantic bigeye tuna, the 1999 HMS FMP established the foundation to develop an international 10-year rebuilding program. While steps have been taken internationally to pursue recovery of this stock, an international rebuilding program has not yet been adopted. NMFS is continuing to work through ICCAT to establish an international rebuilding program and is working domestically to monitor its fisheries and promote conservation.

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74. Although the last conclusive assessment conducted in 2000 determined that overfishing was occurring for this stock, total landings have been 33,754, 25,186, 22,617, and 25,516 t for the years 2000-2003, respectively. The TAC for this stock is 34,500 t, which is the replacement yield; if landings are below 31,000 t, the biomass is expected to rebuild for this stock.
75. For the overfished North Atlantic albacore, NMFS established the foundation to develop an international rebuilding program in the 2006 Final Consolidated HMS FMP. Domestically, NMFS is monitoring its fisheries and promoting conservation.
76. International rebuilding program implemented in 1999.
77. International rebuilding program implemented in 2000.
78. This stock is part of the Large Coastal Shark Complex, but is assessed separately.
79. Rebuilding Program Progress for Sandbar sharks: the latest stock assessment recommends that rebuilding could be achieved with 70 percent probability by 2070 with a total allowable catch across all fisheries (commercial and recreational) of 220 mt ww each year and an F between 0.009 and 0.011. The rebuilding plan for LCS, which was implemented by the 2003 Amendment and included sandbar sharks, will be re-evaluated in an upcoming Amendment estimated to be finalized in 2008. Until the new Amendment is in place, sandbar sharks will be managed according to the 2003 Amendment and under the current rebuilding plan.
80. This stock is part of the Large Coastal Shark Complex, but is assessed separately. Blacktip shark was previously listed as a single stock, but is now assessed as two separate Atlantic and Gulf of Mexico stocks.
81. In addition to Sandbar Shark, Gulf of Mexico Blacktip Shark, and Atlantic Blacktip Shark, the Large Coastal Shark Complex also consists of additional stocks including Spinner Shark, Silky Shark, Bull Shark, Tiger Shark, Lemon Shark, Nurse Shark, Scalloped Hammerhead Shark, Great Hammerhead Shark, and Smooth Hammerhead Shark. In addition, several LCS species cannot be retained in commercial or recreational fisheries, including Bignose Shark, Galapagos Shark, Night Shark, Caribbean Reef Shark, Narrowtooth Shark, Sand Tiger Shark, Bigeye Sand Tiger Shark, Whale Shark, Basking Shark, White Shark.
82. The latest stock assessment concluded that the status of the LCS complex was unknown. The current assessment indicates that the peer reviewers of 2006 Large Coastal Shark Assessment felt it was unclear what exactly the results of the assessment represented, making it impossible to support the use of the results for management of the complex. The previous stock assessment concluded that the stock was subject to overfishing and overfished.
83. The rebuilding plan for LCS was implemented by the 2003 Amendment to the Atlantic Tunas, Swordfish, and Sharks FMP. Management of LCS based on the LCS complex will be re-evaluated in an upcoming Amendment estimated to be finalized in 2008. Until the new Amendment is in place, LCS will be managed according to the 2003 Amendment and under the current rebuilding plan.
84. This stock is part of the Small Coastal Shark Complex, but is assessed separately.
85. In addition to Finetooth Shark, Atlantic Sharpnose Shark, Blacknose Shark, and Bonnethead Shark, the Small Coastal Shark Complex also consists of: Atlantic Angel Shark, Caribbean Sharpnose Shark, and Smalltail Shark; these 3 species cannot be retained in recreational or commercial fisheries.
86. This stock is part of the Pelagic Shark Complex, but is assessed separately.
87. According to the 2005 recovery assessment report conducted by Canada, the North Atlantic porbeagle stock has a 70 percent probability of recovery in approximately 100 years if F is less than or equal to 0.04. There is no U.S. domestic rebuilding plan in place for this species. A rebuilding plan will be implemented in an upcoming Amendment estimated to be finalized in 2008. Until this new Amendment is in place, porbeagle sharks will be managed according to the 1999 HMS FMP.

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88. The first species-specific dusky shark assessment occurred in 2006 and indicates that dusky shark stocks have been depleted 62-80 percent with respect to virgin biomass. Assessment scientists recommend that the rebuilding timeframe for dusky sharks could last anywhere from 100 to 400 years. The rebuilding plan for LCS, of which dusky sharks were a part, was implemented by the 2003 Amendment. A rebuilding plan for dusky sharks will be implemented in an upcoming Amendment estimated to be finalized in 2008. Until the new Amendment is in place, dusky sharks will be managed according to the 2003 Amendment and under the current rebuilding plan.



**Table B. Summary of Stock Status for Non-FSSI Stocks**

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Atlantic Salmon	Atlantic Salmon	NEFMC	No	Yes	N/A	rebuild-ESA listed	not required <sup>1</sup>
South Atlantic Golden Crab	Golden Crab	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Golden Crab	Jonah Crab	SAFMC	Undefined	Undefined	Unknown	N/A	N/A
South Atlantic Golden Crab	Red Crab	SAFMC	Undefined	Undefined	Unknown	N/A	N/A
Atlantic Coast Red Drum	Red Drum	SAFMC	Yes <sup>2</sup>	Unknown <sup>3</sup>	N/A	reduce mortality	N/A
Dolphin Wahoo	Wahoo	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Mutton Snapper	SAFMC	No	Unknown <sup>4</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Gray (Mangrove) Snapper	SAFMC	No	Unknown <sup>4</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Blue Runner	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Creville Jack	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Atlantic Spadefish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Sheepshead	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Nassau Grouper	SAFMC	No <sup>5</sup>	Unknown <sup>6</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Yellowedge Grouper	SAFMC	No	Unknown <sup>4</sup>	Unknown	N/A	N/A

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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
South Atlantic Snapper-Grouper	Lane Snapper	SAFMC	No	Unknown <sup>4</sup>	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Queen Triggerfish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Ocean Triggerfish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Yellow Jack	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Bar Jack	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Lesser Amberjack	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Almaco Jack	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Banded Rudderfish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Black Margate	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Porkfish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Margate	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Tomtate	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Smallmouth Grunt	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	French Grunt	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Spanish Grunt	SAFMC	Unknown	Unknown	Unknown	N/A	N/A

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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
South Atlantic Snapper-Grouper	Cottonwick	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Sailors Choice	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Bluestriped Grunt	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Puddingwife	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Black Snapper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Queen Snapper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Schoolmaster	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Blackfin Snapper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Cubera Snapper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Mahogany Snapper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Dog Snapper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Silk Snapper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Blueline Tilefish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Sand Tilefish	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Bank Sea Bass	SAFMC	Unknown	Unknown	Unknown	N/A	N/A

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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
South Atlantic Snapper-Grouper	Rock Sea Bass	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Rock Hind	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Graysby	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Coney	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Red Hind	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Misty Grouper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Yellowmouth Grouper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Tiger Grouper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Yellowfin Grouper	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Grass Porgy	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Jolthead Porgy	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Saucereye Porgy	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Whitebone Porgy	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Knobbed Porgy	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
South Atlantic Snapper-Grouper	Longspine Porgy	SAFMC	Unknown	Unknown	Unknown	N/A	N/A

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Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
South Atlantic Snapper-Grouper	Scup	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral, Coral Reefs, and Live / Hard Bottom Habitats of the South Atlantic Region	Fire Corals	SAFMC	No <sup>5</sup>	Unknown	Unknown	N/A	N/A
Coral, Coral Reefs, and Live / Hard Bottom Habitats of the South Atlantic Region	Hydrocorals	SAFMC	No <sup>5</sup>	Unknown	Unknown	N/A	N/A
Coral, Coral Reefs, and Live / Hard Bottom Habitats of the South Atlantic Region	Octocorals	SAFMC	No <sup>5</sup>	Unknown	Unknown	N/A	N/A
Coral, Coral Reefs, and Live / Hard Bottom Habitats of the South Atlantic Region	Stony Corals	SAFMC	No <sup>5</sup>	Unknown	Unknown	N/A	N/A
Coral, Coral Reefs, and Live / Hard Bottom Habitats of the South Atlantic Region	Black Corals	SAFMC	No <sup>5</sup>	Unknown	Unknown	N/A	N/A
Pelagic Sargassum Habitat of the SA Region	Sargassum	SAFMC	No <sup>7</sup>	No <sup>7</sup>	Unknown	N/A	N/A
Gulf of Mexico / South Atlantic Spiny Lobster	Slipper Lobster	SAFMC / GMFMC	Undefined	Undefined	Unknown	N/A	N/A
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	Cero Mackerel	SAFMC / GMFMC	Unknown	Unknown	Unknown	N/A	N/A
Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic	Bluefish - Gulf of Mexico only	GMFMC	Unknown	Unknown	Unknown	N/A	N/A
Gulf of Mexico Shrimp	Rock Shrimp	GMFMC	Undefined	Undefined	Unknown	N/A	N/A
Gulf of Mexico Shrimp	Seabob Shrimp	GMFMC	Undefined	Undefined	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Fire Corals	GMFMC	*No <sup>5</sup>	Undefined	Unknown	N/A	N/A

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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Coral and Coral Reefs of the Gulf of Mexico	Hydrocorals	GMFMC	*No <sup>5</sup>	Undefined	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Octocorals	GMFMC	*No <sup>5</sup>	Undefined	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Stony Corals	GMFMC	*No <sup>5</sup>	Undefined	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Black Corals	GMFMC	*No <sup>5</sup>	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Mutton Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Gray (Mangrove) Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Lane Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Scamp	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Lesser Amberjack	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Almaco Jack	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Banded Rudderfish	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Queen Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Schoolmaster	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Blackfin Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Cubera Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A

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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Reef Fish Resources of the Gulf of Mexico	Dog Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Mahogany Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Silk Snapper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Wenchman	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Goldface Tilefish	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Blackline Tilefish	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Anchor Tilefish	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Blueline Tilefish	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Tilefish	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Rock Hind	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Speckled Hind	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Red Hind	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Misty Grouper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Warsaw Grouper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Yellowmouth Grouper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A

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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Reef Fish Resources of the Gulf of Mexico	Yellowfin Grouper	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Dwarf Sand Perch	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Sand Perch	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Snapper Unit 2 <sup>8</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Grouper Unit 3 <sup>9</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Grunts <sup>10</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Goatfishes <sup>11</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Porgies <sup>12</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Squirrelfishes <sup>13</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Tilefishes <sup>14</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Jacks <sup>15</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Parrotfishes <sup>16</sup>	CFMC	Yes	No	Yes <sup>17</sup>	reduce mortality	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Surgeonfish <sup>18</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Triggerfishes and Filefishes <sup>19</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Boxfishes <sup>20</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A



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Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Wrasses <sup>21</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Angelfishes <sup>22</sup>	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Sixty species for aquarium trade only <sup>23</sup>	CFMC					
Queen Conch Resources of Puerto Rico and the U.S. Virgin Islands	Eight species for data collection purposes only <sup>24</sup>	CFMC					
Corals and Reef Associated Invertebrates of Puerto Rico and the U.S. Virgin Islands	Innumerable species for data collection purposes only <sup>25</sup>	CFMC					
	California Central Valley Chinook						
West Coast Salmon	Sacramento River Fall	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Sacramento River Spring (Central Valley Spring - ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
West Coast Salmon	Sacramento River Winter (ESA Endangered 1994)	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
	Northern California Coast Chinook						
West Coast Salmon	Klamath River Fall (Klamath and Trinity Rivers)	PFMC	No	No	Yes	N/A	N/A
West Coast Salmon	Eel, Mattole, Mad, and Smith Rivers <sup>27</sup> (Fall and Spring) (Eel, Mattole, and Mad River Stocks - ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
West Coast Salmon	Klamath River Spring (Klamath and Trinity Rivers)	PFMC	Unknown <sup>28</sup>	Unknown <sup>28</sup>	Unknown	N/A	N/A
	Oregon Coast Chinook						

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Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
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)	PFMC	No	No	No	N/A	N/A
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)	PFMC	No	No	No	N/A	N/A
	Columbia River Basin Chinook						
West Coast Salmon	North Lewis River Fall (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
West Coast Salmon	Lower River Hatchery Fall	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Lower River Hatchery Spring	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Spring Creek Hatchery Fall	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Snake River Fall (ESA Threatened 1992)	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
West Coast Salmon	Upper Willamette Spring (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Mid-River Bright Hatchery (Fall)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Klickitat, Warm Springs, John Day, and Yakima Rivers (Spring)	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Snake River Spring / Summer (ESA Threatened 1992)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Upper River Bright (Fall)	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
West Coast Salmon	Upper River Summer	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Upper River Spring (ESA Endangered 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
	Washington Coast Chinook						
West Coast Salmon	Willapa Bay Fall (Natural)	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Willapa Bay Fall (Hatchery)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Grays Harbor Fall	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Grays Harbor Spring	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Quinault Fall	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Queets Fall	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Queets Spring / Summer	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Hoh Fall	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Hoh Spring / Summer	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Quillayute Fall	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Quillayute Spring / Summer	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Hoko Summer / Fall (Western Strait of Juan De Fuca)	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
	Puget Sound Chinook						

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
West Coast Salmon	Eastern Strait of Juan De Fuca Summer / Fall (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Skokomish Summer / Fall (Hood Canal) (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Nooksack Spring (Early) (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Skagit Summer / Fall (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Skagit Spring (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Stillaguamish Summer / Fall (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Snohomish Summer / Fall (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Cedar River Summer / Fall (Lake Washington ) (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	White River Spring (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Green River Summer / Fall Threatened (1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
West Coast Salmon	Nisqually River Summer / Fall (South Puget Sound) (ESA Threatened 1999)	PFMC	N/A <sup>26</sup> Exceptions 2 & 3	N/A	N/A	N/A	N/A
	Southern British Columbia Chinook						
West Coast Salmon	Coastal Stocks <sup>29</sup>	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Fraser River (British Columbia, Canada) <sup>29</sup>	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
	Oregon Production Index Area Coho						

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
West Coast Salmon	Oregon Coastal Natural comprised of Southern, South- Central, North-Central, and Northern Oregon Stocks. (Northern Stocks - Proposed ESA Threatened 2004; Southern Stock - ESA Threatened 1997) <sup>30</sup>	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
West Coast Salmon	Columbia River Late (Hatchery)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Columbia River Early (Hatchery)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Central California Coast (ESA Threatened 1996)	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
West Coast Salmon	Northern California (ESA Threatened 1997)	PFMC	N/A <sup>26</sup> Exception 3	N/A	N/A	N/A	N/A
West Coast Salmon	Columbia River (Natural) (Proposed ESA Threatened 2004)	PFMC	Unknown <sup>28</sup>	Unknown <sup>28</sup>	Unknown	N/A	N/A
	Washington Coastal Coho						
West Coast Salmon	Willapa Bay (Hatchery)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Grays Harbor	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Quinalt (Hatchery)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
West Coast Salmon	Queets	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Hoh	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Quillayute Fall	PFMC	No	No	No	N/A	N/A

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
West Coast Salmon	Quillayute Summer (Hatchery)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
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)	PFMC	No	No	No	N/A	N/A
	Puget Sound Coho						
West Coast Salmon	Eastern Strait of Juan De Fuca (streams east of Salt Creek through Chimacum Creek)	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Hood Canal	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Skagit	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Stillaguamish	PFMC	No	No	No	N/A	N/A
West Coast Salmon	Snohomish	PFMC	No	No	No	N/A	N/A
West Coast Salmon	South Puget Sound (Hatchery)	PFMC	N/A <sup>26</sup> Exception 1	N/A	N/A	N/A	N/A
	Southern British Columbia Coast Coho						
West Coast Salmon	Coastal Stocks <sup>29</sup>	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Fraser River (British Columbia, Canada) <sup>29</sup>	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
	Pink (Odd-Numbered Years)						
West Coast Salmon	Puget Sound <sup>29</sup>	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A
West Coast Salmon	Fraser River (British Columbia, Canada) <sup>29</sup>	PFMC	N/A <sup>26</sup> Exception 2	N/A	N/A	N/A	N/A

2006 Status of U.S. Fisheries

<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Pacific Coast Groundfish	Silvergrey Rockfish	PFMC	No	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Butter Sole	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Curlfin Sole	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Flathead Sole	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Rock Sole	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Aurora Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Black-And-Yellow Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Bronzespotted Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Calico Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Chameleon Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	China Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Copper Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Dusky Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Dwarf-Red Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Flag Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A

2006 Status of U.S. Fisheries

<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Pacific Coast Groundfish	Freckled Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Grass Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Greenblotched Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Greenspotted Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Greenstriped Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Halfbanded Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Harlequin Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Honeycomb Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Kelp Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Mexican Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Olive Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pink Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pinkrose Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pygmy Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Quillback Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A



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<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Pacific Coast Groundfish	Redbanded Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Redstripe Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Rosethorn Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Rosy Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Sharpchin Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Shortraker Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Speckled Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Squarespot Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Starry Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Stripetail Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Swordspine Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Tiger Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Yellowmouth Rockfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Leopard Shark	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Soupfin Shark	PFMC	Unknown	Unknown	Unknown	N/A	N/A

2006 Status of U.S. Fisheries

<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Pacific Coast Groundfish	Big Skate	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	California Skate	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Ratfish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Finescale Codling	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Treefish	PFMC	Unknown	Unknown	Unknown	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Common Thresher Shark - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Bigeye Thresher Shark - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Pelagic Thresher Shark - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
West Coast Highly Migratory Species and Pelagic Fisheries of the Western Pacific Region	Shortfin Mako Shark - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Black Marlin - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Pomfrets - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Sailfish - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Longfin Mako Shark - North Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Silky Shark - Tropical Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Oceanic Whitetip Shark - Tropical Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Salmon Shark - North Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	other Tuna Relatives - Tropical Pacific <sup>31</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A

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Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pelagic Fisheries of the Western Pacific Region	Oilfish Family - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Bottomfish Multi-Species Complex Northern Mariana Islands <sup>32</sup>	WPFMC	No	No	No	N/A	N/A
Crustaceans Fisheries of the Western Pacific Region	Lobster Complex - Northwestern Hawaiian Islands <sup>33</sup>	WPFMC	No <sup>34</sup>	Unknown	Unknown	N/A	N/A
Crustaceans Fisheries of the Western Pacific Region	Lobster Complex - other than Northwestern Hawaiian Islands <sup>33</sup>	WPFMC	Undefined	Undefined	Unknown	N/A	N/A
Crustaceans Fisheries of the Western Pacific Region	Kona Crab - Hawaiian Archipelago	WPFMC	Undefined	Undefined	Unknown	N/A	N/A
Precious Corals Fisheries of the Western Pacific Region	Precious Corals Multi-Species Complex - Makapu'u Bed <sup>35</sup>	WPFMC	No <sup>36</sup>	Unknown	Unknown	N/A	N/A
Precious Corals Fisheries of the Western Pacific Region	Precious Corals Multi-Species Complex - Conditional Beds <sup>35</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Precious Corals Fisheries of the Western Pacific Region	Black Coral - Au'au Bed <sup>37</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystems of the Western Pacific Region	Coral Reef Ecosystem Multi-Species Complex - American Samoa <sup>38</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystems of the Western Pacific Region	Coral Reef Ecosystem Multi-Species Complex - Northern Mariana Islands <sup>38</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystems of the Western Pacific Region	Coral Reef Ecosystem Multi-Species Complex - Guam <sup>38</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystems of the Western Pacific Region	Coral Reef Ecosystem Multi-Species Complex - Pacific remote island areas <sup>39</sup>	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Alaska Salmon	Pink Salmon	NPFMC	No	No	No	N/A	N/A
Alaska Salmon	Sockeye Salmon	NPFMC	No	No	No	N/A	N/A
Alaska Salmon	Chum Salmon	NPFMC	No	No	No	N/A	N/A

2006 Status of U.S. Fisheries

Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Alaska Salmon	Coho Salmon	NPFMC	No	No	No	N/A	N/A
Alaska Salmon	Chinook Salmon	NPFMC	No	No	No	N/A	N/A
Gulf of Alaska Groundfish	Walleye Pollock - Eastern	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Atka Mackerel	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Other Slope Rockfish Complex <sup>40</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Shallow Water Flatfish Complex <sup>41</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Big Skate	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Longnose Skate	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Other Skates Complex <sup>42</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Shortraker Rockfish	NPFMC	No	Undefined	Unknown	N/A	N/A
Gulf of Alaska Groundfish	Other Species Complex <sup>43</sup>	NPFMC	Undefined	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Walleye Pollock - Bogoslof	NPFMC	No	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Shortraker Rockfish	NPFMC	No	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Other Rockfish Complex <sup>44</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Other Flatfish Complex <sup>45</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A

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Fishery Management Plan	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Bering Sea / Aleutian Islands Groundfish	Squid Complex <sup>46</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands Groundfish	Other Species Complex <sup>47</sup>	NPFMC	No	Undefined	Unknown	N/A	N/A
Alaska Weathervane Scallops	Alaska Scallops	NPFMC	No	No	No	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Blue King Crab - Saint Lawrence Island	NPFMC	No <sup>48</sup>	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Golden King Crab - Northern District	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Golden King Crab - Pribilof Islands	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Red King Crab - Aleutian Islands, Dutch Harbor	NPFMC	No <sup>48</sup>	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Scarlet King Crab - Aleutian Islands	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Scarlet King Crab - Eastern Bering Sea	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Adak (Western Aleutians)	NPFMC	No <sup>48</sup>	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Eastern Aleutian Islands	NPFMC	No <sup>48</sup>	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Eastern Aleutian Islands Grooved	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Eastern Aleutian Islands Triangle	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Eastern Bering Sea Grooved	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Eastern Bering Sea Triangle	NPFMC	Unknown	Undefined	Unknown	N/A	N/A

2006 Status of U.S. Fisheries

<b>Fishery Management Plan</b>	<b>Stock</b>	<b>Jurisdiction</b>	<b>Overfishing? (Is Fishing Mortality above Threshold?)</b>	<b>Overfished? (Is Biomass below Threshold?)</b>	<b>Approaching Overfished Condition?</b>	<b>Management Action Required</b>	<b>Rebuilding Program Progress</b>
Bering Sea / Aleutian Islands King and Tanner Crabs	Tanner Crab - Western Aleutian Islands Grooved	NPFMC	No <sup>48</sup>	Undefined	Unknown	N/A	N/A
Atlantic Highly Migratory Species	Longbill Spearfish - West Atlantic	HMS	Unknown	Unknown	Unknown	N/A	N/A
Atlantic Highly Migratory Species	Skipjack Tuna - West Atlantic	HMS	Unknown <sup>49</sup>	Unknown <sup>49</sup>	Unknown	N/A	N/A
Atlantic Highly Migratory Species	Pelagic Shark Complex <sup>50</sup>	HMS	Unknown	Unknown	Unknown	N/A	N/A

## 2006 Status of U.S. Fisheries

\*The overfishing definition for this stock is pre-SFA.

1. A formal rebuilding program was not required or submitted because either no fishing is allowed in this fishery, or incidental harvest is limited to levels necessary to meet Endangered Species Act (ESA) requirements. A Final Recovery Plan for the Gulf of Maine Distinct Population Segment of Atlantic Salmon has been developed under the ESA.
2. Although the fishery in the EEZ is closed and fishing mortality is likely very low in federal waters, there remains an active fishery in states' waters.
3. The overfished determination for this stock has been changed to unknown to better reflect the current knowledge of its status. The previous pre-SFA determination of overfished for this stock was based on spawning potential ratio (SPR), which is inadequate to determine the overfished status. A biomass-based determination that is SFA-compliant cannot be made at this time.
4. The overfished determination for this stock has been changed to unknown to better reflect the current knowledge of its status. The previous pre-SFA determination of not overfished for this stock was based on spawning potential ratio (SPR), which is inadequate to determine the overfished status. A biomass-based determination that is SFA-compliant cannot be made at this time.
5. Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
6. The overfished determination for this stock has been changed to unknown to better reflect the current knowledge of its status. The previous pre-SFA determination of overfished for this stock was based on spawning potential ratio (SPR), which is inadequate to determine the overfished status. A biomass-based determination that is SFA-compliant cannot be made at this time.
7. On July 11, 2003, NMFS partially approved the FMP for this stock. Although one of the disapproved provisions included the MFMT, a component of the overfishing definition, an examination of the rate of harvest (currently zero), relative to the approved MSY level (100,000 mt), indicates that overfishing is not occurring. In addition, no directed fishery for this stock currently exists. This species has the capacity to increase its biomass through vegetative growth by as much as 10 percent per day, thus doubling its biomass every two weeks. Therefore, it is unlikely that this stock is overfished.
8. This unit (Snapper Unit 2) is part of the Caribbean Reef Fish FMU and is composed of queen snapper and wenchman; queen snapper is the indicator species for the unit.
9. This unit (Grouper Unit 3) is part of the Caribbean Reef Fish FMU and is composed of red hind, coney, rock hind, graysby, and creole fish; red hind is the indicator species for the unit.
10. This unit (Grunts) is part of the Caribbean Reef Fish FMU and is composed of white grunt, tomtate, blue striped grunt, French grunt, margate, and porkfish. There is no indicator species for this unit.
11. This unit (Goatfishes) is part of the Caribbean Reef Fish FMU and is composed of spotted and yellow goatfishes. There is no indicator species for this unit.
12. This unit (Porgies) is part of the Caribbean Reef Fish FMU and is composed of jolthead porgy, sea bream, sheepshead porgy, and pluma. There is no indicator species for this unit.
13. This unit (Squirrelfishes) is part of the Caribbean Reef Fish FMU and is composed of black bar squirrelfish, lonspine squirrelfish, bigeye ( *Priacanthus arenatus* ), and squirrelfish. There is no indicator species for this unit.
14. This unit (Tilefishes) is part of the Caribbean Reef Fish FMU and is composed of blackline and sand tilefishes. There is no indicator species for this unit.

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15. This unit (Jacks) is part of the Caribbean Reef Fish FMU and is composed of blue runner, greater amberjack, horseeye, black, almaco, bar, and yellow jacks. There is no indicator species for this unit.
16. This unit (Parrotfishes) is part of the Caribbean Reef Fish FMU and is composed of blue, midnight, princess, queen, rainbow, striped, redband, redtail, redfin, and stoplight parrotfishes. There is no indicator species for this unit.
17. The Parrotfishes Unit is considered "at risk" by the SFA Working Group and the CFMC ( $B_{CURRENT}/B_{MSY} = 0.75$ ;  $F_{CURRENT}/F_{MSY} = 1.5$ ).
18. This unit (Surgeonfish) is part of the Caribbean Reef Fish FMU and is composed of doctorfish, bluetang, and ocean surgeonfish. There is no indicator species for this unit.
19. This stock (Triggerfishes and Filefishes) is part of the Caribbean Reef Fish FMU and is composed of ocean, queen, and Sargassum triggerfishes; scrawled and whitespotted filefishes; and black durgon; queen triggerfish is the indicator species for the unit.
20. This unit (Boxfishes) is part of the Caribbean Reef Fish FMU and is composed of honeycombed and scrawled cowfishes; trunkfish, spotted trunkfish, and smooth trunkfish. There is no indicator species for this unit.
21. This unit (Wrasses) is part of the Caribbean Reef Fish FMU and is composed of hogfish, Spanish hogfish, and puddingwife; hogfish is the indicator species for the unit.
22. This unit (Angelfishes) is part of the Caribbean Reef Fish FMU and is composed of queen, gray, and French angelfishes. There is no indicator species for this unit.
23. In addition to the other 79 species contained in this FMP, there are an additional 60 species that are for aquarium trade only including Frogfish, Flamefish, Conchfish, Redlip Blenny, Peacock Flounder, Longsnout Butterflyfish, Four-eye Butterflyfish, Spotfin Butterflyfish, Banded Butterflyfish, Redspotted Hawkfish, Flying Gurnard, Atlantic Spadefish, Neon Goby, Rusty Goby, Royal Gramma, Creole Wrasse, Yellowcheek Wrasse, Yellowhead Wrasse, Clown Wrasse, Pearly Razorfish, Green Razorfish, Bluehead Wrasse, Chain Moray, Green Moray, Goldentail Moray, Batfish, Goldspotted Eel, Yellowhead Jawfish, Dusky Jawfish, Cherubfish, Rock Beauty, Sergeant Major, Blue Chromis, Sunshinefish, Yellowtail Damselfish, Dusky Damselfish, Beaugregory, Bicolor Damselfish, Threespot Damselfish, Glasseye Snapper, High-hat, Jackknife-fish, Spotted Drum, Scorpionfishes, Butter Hamlet, Swissguard Basslet, Greater Soapfish, Orangeback Bass, Lantern Bass, Tobacconfish, Harlequin Bass, Chalk Bass, Caribbean Tonguefish, Seahorses, Pipefishes, Sand Diver, Sharpnose Puffer, Porcupinefish, Trumpetfish, and Cardinal Soldierfish.
24. This FMP contains eight species for data collection only, including Atlantic triton's trumpet, cameo helmet, green star shell, hawkwing conch, milk conch, roostertail conch, true tulip, and West Indian fighting conch. This FMP also contains Queen Conch, which is an FSSI stock.
25. This FMP contains many corals and reef-associated invertebrates. NMFS determined that the available data are inadequate or insufficient for providing a defensible and meaningful estimate of MSST for managed species in the Coral Reef FMP. Accordingly, various taxa are included for data collection purposes only.
26. The Salmon FMP contains three exceptions to the application of overfishing criteria and subsequent Council actions for stocks or stock complexes with conservation objectives: (1) hatchery stocks, (2) stocks for which Council management actions have inconsequential impacts, and (3) stocks listed under the ESA.



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27. The Smith River Chinook is not part of the California Coastal Chinook ESU, which includes the Eel, Mattole, and Mad River stocks. However, there are no conservation objectives defined for the northern coastal chinook stocks. These stocks are managed consistent with NMFS jeopardy standard / recovery plans for the California Coastal Chinook ESU. The Smith River stock is therefore also managed under the NMFS jeopardy standard / recovery plans.
28. Amendment 14 to the Salmon FMP added these stocks to the list of stocks managed under the FMP but did not identify conservation objectives. The PFMC has not yet developed an objective. Prior to Amendment 14, Klamath River spring Chinook were regarded as one of several sub-basin stocks protected by the Klamath River fall Chinook objective. The NMFS Chinook status review included Klamath River fall and spring Chinook as part of the same ESU.
29. The PFMC manages these fisheries consistent with provisions of the Pacific Salmon Treaty. These stocks originate from either U.S. or Canadian waters and are managed as mixed stock fisheries.
30. Oregon Coastal Natural (OCN) coho are managed subject to the provisions of Amendment 13 to the Salmon FMP. The southern stock complex is listed as a threatened species under the ESA as part of the Southern Oregon / Northern California Coasts Coho ESU (May 6, 1997), and the northern components, Oregon Coast coho, were listed as a threatened species (August 10, 1998); currently both meet exception 3. As a result of recent court rulings ESA restrictions are not being applied to Oregon Coast Coho ESU. However, the OCN stocks have met their management objectives in recent years.
31. The management unit includes *Auxis* spp. (frigate mackerels), *Allothunnus* spp. (slender tunas), and *Scomber* spp. (mackerels).
32. This complex contains up to 19 species including Seabass - hapuu'upu, Squirrelfish Snapper - chu, Longtail Snapper - onaga, Silver Jaw Jobfish - lehi, Gray Jobfish - uku, Blueline Snapper, Yellowtail Snapper - yellow tail kalekale, Crimson jobfish - opakapaka, Yelloweye Snapper - yelloweye opakapaka, Von Siebolds Snapper - kalekale, Oblique-Banded Snapper - gindai, Giant Trevally - white ulua, Black Jack - black ulua, Thick Lipped Trevally - pig ulua, Amberjack - kahala, Blacktip Grouper, Lunartail Grouper, Ambon Emperor, and Redgill Emperor. Assessments are made for multi-species stock complexes, one complex for each of the Hawaiian Archipelago, American Samoa, and Guam.
33. This complex contains up to 5 species including Red Spiny Lobster, Green Spiny Lobster, Common Slipper Lobster, Chinese Slipper Lobster, and Giant Slipper Lobster.
34. The fishery has been closed since 1999 and fishing mortality has been virtually zero since then.
35. This complex contains up to 12 taxa including *Corallium secundum*, *Corallium regale*, *Corallium laauense*, *Gerardia* spp., *Callogorgia gilberti*, *Narella* spp., *Calyptrophora* spp., *Lepidisis olapa*, *Acanella* spp., *Antipathes grandis*, *Antipathes dichotoma*, and *Antipathes ulex*.
36. There has been virtually no fishing for this stock since 2001 and fishing mortality has been virtually zero since then.
37. This complex contains up to 3 species including *Antipathes grandis*, *Antipathes dichotoma*, and *Antipathes ulex*.
38. This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
39. This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa." The Pacific remote island areas (PRIA) are U.S. island possessions in the Pacific Ocean that include Palmyra Atoll, Kingman Reef, Jarvis Island, Baker Island, Howland Island, Johnston Atoll, Wake Island, and Midway Atoll. All reefs of the PRIA except Wake Island, which is under the jurisdiction of the Department of Defense, are National Wildlife Refuges. Fishing for coral reef-associated species is prohibited in all these areas except Palmyra Atoll, Johnston Atoll, Wake Island, and Midway Atoll.

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40. The Other Slope Rockfish Complex consists of the following stocks: Blackgill Rockfish, Bocaccio, Chilipepper, Darkblotched Rockfish, Greenstriped Rockfish, Harlequin Rockfish, Northern Rockfish (Eastern GOA only), Pygmy Rockfish, Redbanded Rockfish, Redstripe Rockfish, Sharpchin Rockfish, Silvergray Rockfish, Splitnose Rockfish, Stripetail Rockfish, Vermilion Rockfish, and Yellowmouth Rockfish. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex.
41. The Shallow Water Flatfish Complex consists of the following stocks: Alaska Plaice, Butter Sole, C-O Sole, Curlfin Sole, English Sole, Northern Rock Sole, Pacific Sanddab, Petrale Sole, Sand Sole, Slender Sole, Southern Rock Sole, Speckled Sanddab, Starry Flounder, and Yellowfin Sole. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex.
42. The Other Skates Complex consists of the following stocks: Alaska Skate, Aleutian Skate, Bering Skate, Deepsea Skate, Roughshoulder Skate, Roughtail Skate, and Whiteblotched Skate. The overfishing determination is based on the combined abundance estimates of these species.
43. The Other Species Complex consists of the following stocks: Pacific Sleeper Shark, Salmon Shark, Spiny Dogfish, Antlered Sculpin, Armorhead Sculpin, Bigmouth Sculpin, Blackfin Sculpin, Blob Sculpin, Brightbelly Sculpin, Brown Irish Lord, Buffalo Sculpin, Crested Sculpin, Darkfin Sculpin, Dusky Sculpin, Eyeshade Sculpin, Fourhorn Sculpin, Frog Sculpin, Frogmouth Sculpin, Great Sculpin, Grunt Sculpin, Longfin Sculpin, Northern Sculpin, Pacific Staghorn Sculpin, Plain Sculpin, Red Irish Lord, Ribbed Sculpin, Roughspine Sculpin, Roughskin Sculpin, Sailfin Sculpin, Scissortail Sculpin, Silverspotted Sculpin, Slim Sculpin, Smoothcheek Sculpin, Smoothhead Sculpin, Spatulate Sculpin, Spectacled Sculpin, Spinyhead Sculpin, Sponge Sculpin, Spotfin Sculpin, Tadpole Sculpin, Thorny Sculpin, Threaded Sculpin, Threadfin Sculpin, Warty Sculpin, Yellow Irish Lord, Sculpin *Artediellus sp.*, Sculpin *Icelus euryops*, Flapjack Devilfish, Giant Pacific Octopus, Pelagic Octopus, Red Octopus, Smoothskin Octopus, Vampire Squid, North Pacific Bigeye Octopus, Squid *Berryteuthis anonychus*, Squid *Berryteuthis magister*, Squid *Chiroteuthis calyx*, Squid *Cranchia scabra*, Squid *Eogonatus tinro*, Squid *Galiteuthis phyllura*, Squid *Gonatopsis makko*, Squid *Gonatus berryi*, Squid *Gonatus kamtschaticus*, Squid *Gonatus madokai*, Squid *Gonatus onyx*, Squid *Gonatus pyros*, Squid *Histioteuthis boylei*, Squid *Loligo opalescens*, Squid *Moroteuthis robusta*, Squid *Octopoteuthis deletron*, and Squid *Onychoteuthis borealijaponicus*. There is no OFL specified for this complex. The TAC is set at an amount less than or equal to 5 percent of the combined TACs for the remainder of the groundfish fishery.
44. The Other Rockfish Complex consists of the following stocks: Dark Rockfish, Dusky Rockfish, Harlequin Rockfish, Redbanded Rockfish, Redstripe Rockfish, Sharpchin Rockfish, Shortspine Thornyhead, and Yelloweye Rockfish. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex.
45. The Other Flatfish Complex consists of the following stocks: Arctic Flounder, Butter Sole, Curlfin Sole, Deepsea Sole, Dover Sole, English Sole, Longhead Dab, Pacific Sanddab, Petrale Sole, Rex Sole, Roughscale Sole, Sakhalin Sole, Sand Sole, Slender Sole, and Starry Flounder. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex.
46. The Squid Complex consists of the following stocks: Squid *Belonella borealis*, Squid *Berryteuthis anonychus*, Squid *Berryteuthis magister*, Squid *Chiroteuthis calyx*, Squid *Cranchia scabra*, Squid *Eogonatus tinro*, Squid *Galiteuthis phyllura*, Squid *Gonatopsis borealis*, Squid *Gonatopsis makko*, Squid *Gonatus berryi*, Squid *Gonatus kamtschaticus*, Squid *Gonatus madokai*, Squid *Gonatus onyx*, Squid *Gonatus pyros*, Squid *Histioteuthis boylei*, Squid *Moroteuthis robusta*, and Squid *Rossia pacifica*. The overfishing determination is based on the OFL, which is equal to average historical catch.

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47. The Other Species Complex consists of the following stocks: Antlered Sculpin, Arctic Staghorn Sculpin, Armorhead Sculpin, Banded Irish Lord, Bigmouth Sculpin, Blackfin Sculpin, Blacknose Sculpin, Blob Sculpin, Bride Sculpin, Broadfin Sculpin, Butterfly Sculpin, Crescent-tail Sculpin, Crested Sculpin, Darkfin Sculpin, Eyeshade Sculpin, Flabby Sculpin, Fourhorn Sculpin, Great Sculpin, Grunt Sculpin, Leister Sculpin, Longfin Irish Lord, Longfin Sculpin, Northern Sculpin, Pacific Hookear Sculpin, Pacific Staghorn Sculpin, Plain Sculpin, Purplegray Sculpin, Red Irish Lord, Ribbed Sculpin, Roughskin Sculpin, Roughspine Sculpin, Sailfin Sculpin, Scaled Sculpin, Scalybreasted Sculpin, Scissortail Sculpin, Slim Sculpin, Smoothcheek Sculpin, Spatulate Sculpin, Spectacled Sculpin, Spinyhead Sculpin, Sponge Sculpin, Tadpole Sculpin, Thorny Sculpin, Threaded Sculpin, Uncinate Sculpin, Warty Sculpin, Wide-eye Sculpin, Yellow Irish Lord, Flapjack Devilfish, Giant Pacific Octopus, Pelagic Octopus, Smoothskin Octopus, Octopus *Benthoctopus oregonensis*, Octopus *Graneledone boreopacifica*, Octopus *Bathypolypus arcticus*, Pacific Sleeper Shark, Salmon Shark, Spiny Dogfish, Alaska Skate, Aleutian Skate, Bering Skate, Big Skate, Butterfly Skate, Commander Skate, Deepsea Skate, Mud Skate, Okhotsk Skate, Roughshoulder Skate, Roughtail Skate, Whiteblotched Skate, and Whitebrow Skate. The overfishing determination is based on the OFL, which is computed by using abundance estimates of skates and sculpins and average historical catch for sharks and octopus.

48. Fishery in the EEZ is closed; therefore, fishing mortality is very low.

49. The biological characteristics of West Atlantic skipjack tuna make it extremely difficult to conduct an assessment. However, nominal abundance indices seem to indicate a stable stock status.

50. In addition to Shortfin Mako Shark, Blue Shark, and Porbeagle Shark, the Pelagic Shark Complex also consists of Oceanic Whitetip Shark and Thresher Shark. This complex also consists of stocks that cannot be retained in recreational or commercial fisheries, which include Bigeye Thresher Shark, Bigeye Sixgill Shark, Longfin Mako Shark, Sevengill Shark, and Sixgill Shark.