

National Marine Fisheries Service - 2009 Status of U.S. Fisheries

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

| FMP                    | Stock   | Jurisdiction | Overfishing?<br>(Is Fishing Mortality above Threshold?) | Overfished?<br>(Is Biomass below Threshold?) | Approaching Overfished Condition? | Management Action Required            | Rebuilding Program Progress | B/Bmsy or B/Bmsy proxy |
|------------------------|---|--------------|---|--|-----------------------------------|---------------------------------------|-----------------------------|------------------------|
| Atlantic Herring       | Atlantic herring - Northwestern Atlantic Coast      | NEFMC        | No  | No   | No                                | N/A                                   | N/A                         | 0.97                   |
| Atlantic Sea Scallop   | Sea scallop - Northwestern Atlantic Coast           | NEFMC        | No  | No   | No                                | N/A                                   | N/A                         | 1.53                   |
| Deep-Sea Red Crab      | Red deepsea crab - Northwestern Atlantic            | NEFMC        | No <sup>1</sup>   | Unknown                                      | Unknown                           | N/A                                   | N/A                         | not estimated          |
| Northeast Multispecies | Acadian redbfish - Gulf of Maine / Georges Bank     | NEFMC        | No  | No - Rebuilding                              | No                                | Continue Rebuilding                   | Year 6 of 47-year plan      | 0.74                   |
| Northeast Multispecies | American plaice - Gulf of Maine / Georges Bank      | NEFMC        | No  | Yes <sup>2</sup>                             | N/A                               | Continue Rebuilding                   | Year 6 of 10-year plan      | 0.50                   |
| Northeast Multispecies | Atlantic cod - Georges Bank                         | NEFMC        | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 6 of 22-year plan      | 0.10                   |
| Northeast Multispecies | Atlantic cod - Gulf of Maine                        | NEFMC        | Yes   | Yes <sup>2</sup>                             | N/A                               | Reduce Mortality, Continue Rebuilding | Year 6 of 10-year plan      | 0.23                   |
| Northeast Multispecies | Atlantic halibut - Northwestern Atlantic Coast      | NEFMC        | Unknown <sup>3</sup>                                    | Yes  | N/A                               | Continue Rebuilding                   | Year 6 of Plan <sup>4</sup> | 0.05                   |
| Northeast Multispecies | Haddock - Georges Bank                              | NEFMC        | No  | Yes <sup>5</sup>                             | N/A                               | Continue Rebuilding                   | Year 6 of 10-year plan      | 0.47                   |
| Northeast Multispecies | Haddock - Gulf of Maine                             | NEFMC        | No  | Yes <sup>2</sup>                             | N/A                               | Continue Rebuilding                   | Year 6 of 10-year plan      | 0.27                   |
| Northeast Multispecies | Ocean pout - Northwestern Atlantic Coast            | NEFMC        | No  | Yes  | N/A                               | Continue Rebuilding                   | Year 6 of 10-year plan      | 0.36                   |
| Northeast Multispecies | Offshore hake - Northwestern Atlantic Coast         | NEFMC        | Undefined   | No   | Unknown                           | N/A                                   | N/A                         | not estimated          |
| Northeast Multispecies | Pollock - Gulf of Maine / Georges Bank              | NEFMC        | No <sup>6</sup>   | No - Rebuilding <sup>6</sup>                 | No                                | Continue Rebuilding                   | Year 6 of 10-year plan      | 0.66                   |
| Northeast Multispecies | Red hake - Gulf of Maine / Northern Georges Bank    | NEFMC        | Unknown   | No   | No                                | N/A                                   | N/A                         | 1.94                   |
| Northeast Multispecies | Red hake - Southern Georges Bank / Mid-Atlantic     | NEFMC        | Undefined   | No   | Unknown                           | N/A                                   | N/A                         | 0.83                   |
| Northeast Multispecies | Silver hake - Gulf of Maine / Northern Georges Bank | NEFMC        | No  | No   | No                                | N/A                                   | N/A                         | 0.51                   |
| Northeast Multispecies | Silver hake - Southern Georges Bank / Mid-Atlantic  | NEFMC        | No  | No   | No                                | N/A                                   | N/A                         | 0.81                   |
| Northeast Multispecies | White hake - Gulf of Maine / Georges Bank           | NEFMC        | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 6 of 10-year plan      | 0.39                   |
| Northeast Multispecies | Windowpane - Gulf of Maine / Georges Bank           | NEFMC        | No <sup>7</sup>   | No <sup>7</sup>                              | No                                | N/A                                   | N/A                         | 0.83                   |
| Northeast Multispecies | Windowpane - Southern New England / Mid-Atlantic    | NEFMC        | No <sup>8</sup>   | Yes <sup>8</sup>                             | N/A                               | Continue Rebuilding                   | Year 6 of 10-year plan      | 0.21                   |

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|---|---|---------------|---|--|-----------------------------------|---------------------------------------|---------------------------------------|-----------------------------|
| Northeast Multispecies                  | Winter flounder - Georges Bank                            | NEFMC         | Yes   | No <sup>9</sup>                              | No                                | Reduce Mortality                      | N/A                                   | 0.66                        |
| Northeast Multispecies                  | Winter flounder - Gulf of Maine                           | NEFMC         | No <sup>10</sup>  | No <sup>10</sup>                             | No                                | N/A                                   | N/A                                   | 0.84                        |
| Northeast Multispecies                  | Winter flounder - Southern New England / Mid-Atlantic     | NEFMC         | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 6 of 10-year plan                | 0.13                        |
| Northeast Multispecies                  | Witch flounder - Northwestern Atlantic Coast              | NEFMC         | No <sup>7</sup>   | No <sup>7</sup>                              | No                                | N/A                                   | N/A                                   | 0.84                        |
| Northeast Multispecies                  | Yellowtail flounder - Cape Cod / Gulf of Maine            | NEFMC         | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 6 of 19-year plan                | 0.09                        |
| Northeast Multispecies                  | Yellowtail flounder - Georges Bank                        | NEFMC         | Yes <sup>11</sup>                                       | Yes <sup>11</sup>                            | N/A                               | Reduce Mortality, Rebuilding Program  | Year 4 of 7-year plan                 | 0.27                        |
| Northeast Multispecies                  | Yellowtail flounder - Southern New England / Mid-Atlantic | NEFMC         | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 6 of 10-year plan                | 0.01                        |
| Northeast Skate Complex                 | Barndoor skate - Georges Bank / Southern New England      | NEFMC         | No  | No - Rebuilding                              | No                                | Continue Rebuilding                   | Year 7 of plan <sup>12</sup>          | 0.62                        |
| Northeast Skate Complex                 | Clearnose skate - Southern New England / Mid-Atlantic     | NEFMC         | No  | No   | No                                | N/A                                   | N/A                                   | 1.35                        |
| Northeast Skate Complex                 | Little skate - Georges Bank / Southern New England        | NEFMC         | No  | No   | No                                | N/A                                   | N/A                                   | 0.72                        |
| Northeast Skate Complex                 | Rosette skate - Southern New England / Mid-Atlantic       | NEFMC         | No  | No   | No                                | N/A                                   | N/A                                   | 1.08                        |
| Northeast Skate Complex                 | Smooth skate - Gulf of Maine                              | NEFMC         | No  | Yes  | N/A                               | Develop Rebuilding Plan               | Develop rebuilding plan <sup>13</sup> | 0.45                        |
| Northeast Skate Complex                 | Thorny skate - Gulf of Maine                              | NEFMC         | No  | Yes  | N/A                               | Continue Rebuilding                   | Year 7 of plan <sup>12</sup>          | 0.10                        |
| Northeast Skate Complex                 | Winter skate - Georges Bank / Southern New England        | NEFMC         | No  | No - Rebuilding                              | No                                | Develop Rebuilding Plan               | Develop rebuilding plan <sup>14</sup> | 0.93                        |
| Monkfish                                | Monkfish - Gulf of Maine / Northern Georges Bank          | NEFMC / MAFMC | No  | No   | No                                | N/A                                   | N/A                                   | 1.29                        |
| Monkfish                                | Monkfish - Southern Georges Bank / Mid-Atlantic           | NEFMC / MAFMC | No  | No   | No                                | N/A                                   | N/A                                   | 1.11                        |
| Spiny Dogfish                           | Spiny dogfish - Atlantic Coast                            | NEFMC / MAFMC | No  | No - Rebuilding <sup>15</sup>                | No                                | Continue Rebuilding                   | 10/5-year plan <sup>16</sup>          | not estimated <sup>17</sup> |
| Atlantic Mackerel, Squid and Butterfish | Atlantic mackerel - Gulf of Maine / Cape Hatteras         | MAFMC         | No  | No   | No                                | N/A                                   | N/A                                   | 3.57                        |
| Atlantic Mackerel, Squid and Butterfish | Butterfish - Gulf of Maine / Cape Hatteras                | MAFMC         | No  | Yes  | N/A                               | Rebuilding Program                    | Under review <sup>18</sup>            | 0.38                        |
| Atlantic Mackerel, Squid and Butterfish | Longfin inshore squid - Georges Bank / Cape Hatteras      | MAFMC         | No  | No   | No                                | N/A                                   | N/A                                   | not estimated               |

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|--|---|--------------|---|--|-----------------------------------|---------------------------------------|-----------------------------|------------------------|
| Atlantic Mackerel, Squid and Butterfish              | Northern shortfin squid - Northwestern Atlantic Coast | MAFMC        | No <sup>19</sup>  | Unknown                                      | Unknown                           | N/A                                   | N/A                         | not estimated          |
| Atlantic Surfclam and Ocean Quahog                   | Atlantic surfclam - Mid-Atlantic Coast                | MAFMC        | No  | No   | No                                | N/A                                   | N/A                         | 1.30                   |
| Atlantic Surfclam and Ocean Quahog                   | Ocean quahog - Atlantic Coast                         | MAFMC        | No  | No   | No                                | N/A                                   | N/A                         | 1.62                   |
| Bluefish   | Bluefish - Atlantic Coast                             | MAFMC        | No  | No   | No                                | N/A                                   | N/A                         | 1.05                   |
| Summer Flounder, Scup and Black Sea Bass             | Black sea bass - Mid-Atlantic Coast                   | MAFMC        | No  | No   | No                                | N/A                                   | N/A                         | 1.03                   |
| Summer Flounder, Scup and Black Sea Bass             | Scup - Atlantic Coast                                 | MAFMC        | No  | No   | No                                | Rebuilt                               | N/A                         | 2.04                   |
| Summer Flounder, Scup and Black Sea Bass             | Summer flounder - Mid-Atlantic Coast                  | MAFMC        | No  | No - Rebuilding                              | No                                | Continue Rebuilding                   | Year 10 of 13-year plan     | 0.77                   |
| Tilefish   | Tilefish - Mid-Atlantic Coast                         | MAFMC        | No  | No - Rebuilding <sup>20</sup>                | No                                | Continue Rebuilding                   | Year 9 of 10-year plan      | 1.04                   |
| Shrimp Fishery of the South Atlantic Region          | Brown rock shrimp - Southern Atlantic Coast           | SAFMC        | No  | No   | No                                | N/A                                   | N/A                         | not estimated          |
| Shrimp Fishery of the South Atlantic Region          | Brown shrimp - Southern Atlantic Coast                | SAFMC        | No  | No   | No                                | N/A                                   | N/A                         | 3.93                   |
| Shrimp Fishery of the South Atlantic Region          | Pink shrimp - Southern Atlantic Coast                 | SAFMC        | No  | Yes <sup>21</sup>                            | N/A                               | Not required <sup>21</sup>            | N/A                         | 0.33                   |
| Shrimp Fishery of the South Atlantic Region          | White shrimp - Southern Atlantic Coast                | SAFMC        | No  | No   | No                                | N/A                                   | N/A                         | 3.58                   |
| Snapper-Grouper Fishery of the South Atlantic Region | Black grouper - Southern Atlantic Coast               | SAFMC        | Yes   | Unknown                                      | Unknown                           | Reduce Mortality                      | N/A                         | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region | Black sea bass - Southern Atlantic Coast              | SAFMC        | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 4 of 10-year plan      | 0.27                   |
| Snapper-Grouper Fishery of the South Atlantic Region | Gag - Southern Atlantic Coast                         | SAFMC        | Yes   | No   | Yes                               | Reduce Mortality                      | N/A                         | 0.94                   |
| Snapper-Grouper Fishery of the South Atlantic Region | Gray triggerfish - Southern Atlantic Coast            | SAFMC        | No  | Unknown                                      | Unknown                           | N/A                                   | N/A                         | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region | Greater amberjack - Southern Atlantic Coast           | SAFMC        | No  | No   | No                                | N/A                                   | N/A                         | 1.10                   |
| Snapper-Grouper Fishery of the South Atlantic Region | Hogfish - Southern Atlantic Coast                     | SAFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                                   | N/A                         | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region | Red grouper - Southern Atlantic Coast                 | SAFMC        | Yes   | Unknown                                      | Unknown                           | Reduce Mortality                      | N/A                         | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region | Red porgy - Southern Atlantic Coast                   | SAFMC        | No  | Yes  | N/A                               | Continue Rebuilding                   | Year 10 of 16-year plan     | 0.66                   |

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|--|---|---------------|---|--|-----------------------------------|---------------------------------------|---------------------------------------|------------------------|
| Snapper-Grouper Fishery of the South Atlantic Region                         | Red snapper - Southern Atlantic Coast       | SAFMC         | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Develop rebuilding plan <sup>22</sup> | 0.03                   |
| Snapper-Grouper Fishery of the South Atlantic Region                         | Scamp - Southern Atlantic Coast             | SAFMC         | No  | Unknown                                      | Unknown                           | N/A                                   | N/A                                   | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region                         | Snowy grouper - Southern Atlantic Coast     | SAFMC         | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 4 of 34-year plan                | 0.18                   |
| Snapper-Grouper Fishery of the South Atlantic Region                         | Speckled hind - Southern Atlantic Coast     | SAFMC         | Yes   | Unknown                                      | Unknown                           | Reduce Mortality                      | N/A                                   | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region                         | Tilefish - Southern Atlantic Coast          | SAFMC         | Yes   | No   | No                                | Reduce Mortality                      | N/A                                   | 0.95                   |
| Snapper-Grouper Fishery of the South Atlantic Region                         | Vermilion snapper - Southern Atlantic Coast | SAFMC         | Yes   | No   | No                                | Reduce Mortality                      | N/A                                   | 0.86                   |
| Snapper-Grouper Fishery of the South Atlantic Region                         | Warsaw grouper - Southern Atlantic Coast    | SAFMC         | Yes   | Unknown                                      | Unknown                           | Reduce Mortality                      | N/A                                   | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region                         | White grunt - Southern Atlantic Coast       | SAFMC         | No  | Unknown                                      | Unknown                           | N/A                                   | N/A                                   | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region                         | Wreckfish - Southern Atlantic Coast         | SAFMC         | No  | Unknown <sup>23</sup>                        | Unknown                           | N/A                                   | N/A                                   | not estimated          |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic | Cobia - Gulf of Mexico                      | SAFMC / GMFMC | No  | No   | No                                | N/A                                   | N/A                                   | 1.33                   |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic | King mackerel - Gulf of Mexico              | SAFMC / GMFMC | No  | No   | No                                | N/A                                   | N/A                                   | 1.24                   |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic | King mackerel - Southern Atlantic Coast     | SAFMC / GMFMC | No  | No   | No                                | N/A                                   | N/A                                   | 1.12                   |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic | Little tunny - Gulf of Mexico               | SAFMC / GMFMC | No  | Undefined                                    | Unknown                           | N/A                                   | N/A                                   | not estimated          |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic | Spanish mackerel - Gulf of Mexico           | SAFMC / GMFMC | No  | No   | No                                | N/A                                   | N/A                                   | 1.34                   |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic | Spanish mackerel - Southern Atlantic Coast  | SAFMC / GMFMC | No  | No <sup>24</sup>                             | No                                | N/A                                   | N/A                                   | 1.78                   |

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|--|--|---------------|---|--|-----------------------------------|---|---------------------------------------|------------------------|
| Dolphin and Wahoo Fishery of the Atlantic / Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic | Dolphinfish - Southern Atlantic Coast / Gulf of Mexico             | SAFMC / GMFMC | No  | No   | No                                | N/A   | N/A                                   | 1.56                   |
| Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico                         | Goliath grouper - Southern Atlantic Coast / Gulf of Mexico         | SAFMC / GMFMC | No  | Unknown                                      | Unknown                           | N/A   | N/A                                   | not estimated          |
| Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico                         | Yellowtail snapper - Southern Atlantic Coast / Gulf of Mexico      | SAFMC / GMFMC | No  | No   | No                                | N/A   | N/A                                   | 1.21                   |
| Spiny Lobster in the Gulf of Mexico and South Atlantic   | Caribbean spiny lobster - Southern Atlantic Coast / Gulf of Mexico | SAFMC / GMFMC | No  | Unknown                                      | Unknown                           | N/A   | N/A                                   | not estimated          |
| Red Drum Fishery of the Gulf of Mexico   | Red drum - Gulf of Mexico  | GMFMC         | No  | Undefined                                    | Unknown                           | N/A   | N/A                                   | not estimated          |
| Reef Fish Resources of the Gulf of Mexico  | Black grouper - Gulf of Mexico                                     | GMFMC         | Unknown   | Undefined                                    | Unknown                           | N/A   | N/A                                   | not estimated          |
| Reef Fish Resources of the Gulf of Mexico  | Gag - Gulf of Mexico   | GMFMC         | Yes   | Yes  | N/A                               | Reduce Mortality<br>Develop Rebuilding Plan | Develop rebuilding plan <sup>25</sup> | 0.40                   |
| Reef Fish Resources of the Gulf of Mexico  | Gray triggerfish - Gulf of Mexico                                  | GMFMC         | Yes   | Yes  | N/A                               | Reduce Mortality,<br>Continue Rebuilding    | Year 2 of 6-year plan                 | 0.64                   |
| Reef Fish Resources of the Gulf of Mexico  | Greater amberjack - Gulf of Mexico                                 | GMFMC         | Yes   | Yes  | N/A                               | Reduce Mortality,<br>Continue Rebuilding    | Year 7 of 10-year plan                | 0.48                   |
| Reef Fish Resources of the Gulf of Mexico  | Hogfish - Gulf of Mexico   | GMFMC         | Unknown   | Undefined                                    | Unknown                           | N/A   | N/A                                   | not estimated          |
| Reef Fish Resources of the Gulf of Mexico  | Nassau grouper - Gulf of Mexico                                    | GMFMC         | No <sup>26</sup>  | Undefined                                    | Unknown                           | N/A   | N/A                                   | not estimated          |
| Reef Fish Resources of the Gulf of Mexico  | Red grouper - Gulf of Mexico                                       | GMFMC         | No  | No   | No                                | N/A   | N/A                                   | 1.27                   |
| Reef Fish Resources of the Gulf of Mexico  | Red snapper - Gulf of Mexico                                       | GMFMC         | Yes   | Yes  | N/A                               | Reduce Mortality,<br>Continue Rebuilding    | Year 9 of 32-year plan                | 0.11                   |
| Reef Fish Resources of the Gulf of Mexico  | Snowy grouper - Gulf of Mexico                                     | GMFMC         | Unknown   | Undefined                                    | Unknown                           | N/A   | N/A                                   | not estimated          |
| Reef Fish Resources of the Gulf of Mexico  | Vermilion snapper - Gulf of Mexico                                 | GMFMC         | No  | No   | No                                | N/A   | N/A                                   | 1.53                   |

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|--|---|--------------|---|--|-----------------------------------|---------------------------------------|-----------------------------|-------------------------|
| Reef Fish Resources of the Gulf of Mexico                                  | Yellowedge grouper - Gulf of Mexico         | GMFMC        | Unknown   | Undefined                                    | Unknown                           | N/A                                   | N/A                         | not estimated           |
| Shrimp Fishery of the Gulf of Mexico                                       | Brown shrimp - Gulf of Mexico               | GMFMC        | No  | No   | No                                | N/A                                   | N/A                         | 4.74                    |
| Shrimp Fishery of the Gulf of Mexico                                       | Pink shrimp - Gulf of Mexico                | GMFMC        | No <sup>27</sup>  | No   | No                                | N/A                                   | N/A                         | 15.10                   |
| Shrimp Fishery of the Gulf of Mexico                                       | Royal red shrimp - Gulf of Mexico           | GMFMC        | No  | No   | No                                | N/A                                   | N/A                         | 0.58                    |
| Shrimp Fishery of the Gulf of Mexico                                       | White shrimp - Gulf of Mexico               | GMFMC        | No  | No   | No                                | N/A                                   | N/A                         | 5.23                    |
| Stone Crab Fishery of the Gulf of Mexico                                   | Stone crabs (Menippe spp.) - Gulf of Mexico | GMFMC        | No  | Undefined                                    | Unknown                           | N/A                                   | N/A                         | not estimated           |
| Queen Conch Resources of Puerto Rico and the United States Virgin Islands  | Queen conch - Caribbean                     | CFMC         | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 5 of 15-year plan      | <<1                     |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Grouper Unit 1 <sup>28</sup>      | CFMC         | Yes <sup>29</sup>                                       | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 5 of 25-year plan      | <<1                     |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Grouper Unit 2 <sup>30</sup>      | CFMC         | No <sup>31</sup>  | Yes  | N/A                               | Continue Rebuilding                   | Year 5 of 30-year plan      | <<1                     |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Grouper Unit 4 <sup>32</sup>      | CFMC         | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 5 of 10-year plan      | 0.75 (default estimate) |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Snapper Unit 1 <sup>33</sup>      | CFMC         | Yes   | No   | Yes                               | Reduce Mortality                      | N/A                         | 0.75 (default estimate) |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Snapper Unit 3 <sup>34</sup>      | CFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                                   | N/A                         | not estimated           |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Snapper Unit 4 <sup>35</sup>      | CFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                                   | N/A                         | not estimated           |
| Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands           | Caribbean spiny lobster - Caribbean         | CFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                                   | N/A                         | not estimated           |
| Coastal Pelagic Species  | Jack mackerel - Pacific Coast               | PFMC         | No  | Undefined                                    | Unknown                           | N/A                                   | N/A                         | not estimated           |
| Coastal Pelagic Species  | Northern anchovy - Northern Pacific Coast   | PFMC         | Undefined   | Undefined                                    | Unknown                           | N/A                                   | N/A                         | not estimated           |

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|--------------------------|---|--------------|---|--|-----------------------------------|----------------------------|-----------------------------|------------------------|
| Coastal Pelagic Species  | Northern anchovy - Southern Pacific Coast     | PFMC         | No  | Undefined                                    | Unknown                           | N/A                        | N/A                         | not estimated          |
| Coastal Pelagic Species  | Opalescent inshore squid - Pacific Coast      | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                         | not estimated          |
| Coastal Pelagic Species  | Pacific chub mackerel - Pacific Coast         | PFMC         | No  | No   | No                                | N/A                        | N/A                         | 5.11                   |
| Coastal Pelagic Species  | Pacific sardine - Pacific Coast               | PFMC         | No  | No   | No                                | N/A                        | N/A                         | 6.50                   |
| Pacific Coast Groundfish | Arrowtooth flounder - Pacific Coast           | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 1.97                   |
| Pacific Coast Groundfish | Bank rockfish - California                    | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 0.65-0.78              |
| Pacific Coast Groundfish | Black rockfish - Northern Pacific Coast       | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 1.38                   |
| Pacific Coast Groundfish | Blackgill rockfish - Southern California      | PFMC         | No <sup>36</sup>  | No   | Unknown                           | N/A                        | N/A                         | 1.31                   |
| Pacific Coast Groundfish | Blue rockfish - California                    | PFMC         | Unknown   | No   | No                                | N/A                        | N/A                         | 0.75                   |
| Pacific Coast Groundfish | Bocaccio - Southern Pacific Coast             | PFMC         | No <sup>36</sup>  | No - Rebuilding                              | No                                | Continue Rebuilding        | Year 10 of 27-year plan     | 0.70                   |
| Pacific Coast Groundfish | Brown rockfish - Pacific Coast                | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                         | not estimated          |
| Pacific Coast Groundfish | Cabazon - California                          | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 1.17                   |
| Pacific Coast Groundfish | California scorpionfish - Southern California | PFMC         | No <sup>36</sup>  | No   | Unknown                           | N/A                        | N/A                         | 2.00                   |
| Pacific Coast Groundfish | Canary rockfish - Pacific Coast               | PFMC         | No <sup>36</sup>  | Yes  | N/A                               | Continue Rebuilding        | Year 9 of 63-year plan      | 0.59                   |
| Pacific Coast Groundfish | Chilipepper - Southern Pacific Coast          | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 1.78                   |
| Pacific Coast Groundfish | Cowcod - Southern California                  | PFMC         | No <sup>36</sup>  | Yes  | N/A                               | Continue Rebuilding        | Year 9 of 39-year plan      | 0.11                   |
| Pacific Coast Groundfish | Darkblotched rockfish - Pacific Coast         | PFMC         | No <sup>36</sup>  | No - Rebuilding                              | No                                | Continue Rebuilding        | Year 8 of 10-year plan      | 0.69                   |
| Pacific Coast Groundfish | Dover sole - Pacific Coast                    | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 1.58                   |
| Pacific Coast Groundfish | English sole - Pacific Coast                  | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 2.91                   |

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| FMP                      | Stock                                 | Jurisdiction | Overfishing?<br>(Is Fishing Mortality above Threshold?) | Overfished?<br>(Is Biomass below Threshold?) | Approaching Overfished Condition? | Management Action Required | Rebuilding Program Progress           | B/Bmsy or B/Bmsy proxy |
|--------------------------|---------------------------------------|--------------|---|--|-----------------------------------|----------------------------|---------------------------------------|------------------------|
| Pacific Coast Groundfish | Gopher rockfish - Northern California | PFMC         | No <sup>36</sup>  | No   | Unknown                           | N/A                        | N/A                                   | 2.42                   |
| Pacific Coast Groundfish | Kelp greenling - Oregon               | PFMC         | Unknown   | No   | Unknown                           | N/A                        | N/A                                   | 1.22                   |
| Pacific Coast Groundfish | Lingcod - Pacific Coast               | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                                   | 1.68                   |
| Pacific Coast Groundfish | Longnose skate - Pacific Coast        | PFMC         | Unknown   | No   | No                                | N/A                        | N/A                                   | 1.65                   |
| Pacific Coast Groundfish | Longspine thornyhead - Pacific Coast  | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                                   | 1.78                   |
| Pacific Coast Groundfish | Pacific cod - Pacific Coast           | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                                   | not estimated          |
| Pacific Coast Groundfish | Pacific grenadier - Pacific Coast     | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                                   | not estimated          |
| Pacific Coast Groundfish | Pacific hake - Pacific Coast          | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                                   | 0.78                   |
| Pacific Coast Groundfish | Pacific ocean perch - Pacific Coast   | PFMC         | No <sup>36</sup>  | No - Rebuilding                              | No                                | Continue Rebuilding        | Year 10 of 18-year plan               | 0.71                   |
| Pacific Coast Groundfish | Pacific sanddab - Pacific Coast       | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                                   | not estimated          |
| Pacific Coast Groundfish | Petrale sole - Pacific Coast          | PFMC         | No <sup>36</sup>  | Yes  | No                                | N/A                        | Develop Rebuilding Plan <sup>37</sup> | 0.46                   |
| Pacific Coast Groundfish | Rex sole - Pacific Coast              | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                                   | not estimated          |
| Pacific Coast Groundfish | Rougeye rockfish - Pacific Coast      | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                                   | not estimated          |
| Pacific Coast Groundfish | Sablefish - Pacific Coast             | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                                   | 0.96                   |
| Pacific Coast Groundfish | Sand sole - Pacific Coast             | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                                   | not estimated          |
| Pacific Coast Groundfish | Shortbelly rockfish - Pacific Coast   | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                                   | 1.67                   |
| Pacific Coast Groundfish | Shortspine thornyhead - Pacific Coast | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                                   | 1.57                   |
| Pacific Coast Groundfish | Spiny dogfish - Pacific Coast         | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                                   | not estimated          |
| Pacific Coast Groundfish | Splitnose rockfish - Pacific Coast    | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                                   | 1.60                   |
| Pacific Coast Groundfish | Starry flounder - Pacific Coast       | PFMC         | No <sup>36</sup>  | No   | Unknown                           | N/A                        | N/A                                   | 1.24                   |



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| FMP  | Stock   | Jurisdiction | Overfishing?<br>(Is Fishing Mortality above Threshold?) | Overfished?<br>(Is Biomass below Threshold?) | Approaching Overfished Condition? | Management Action Required | Rebuilding Program Progress | B/Bmsy or B/Bmsy proxy                             |
|--|---|--------------|---|--|-----------------------------------|----------------------------|-----------------------------|--|
| Pacific Coast Groundfish   | Vermilion rockfish - California                         | PFMC         | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                         | not estimated                                      |
| Pacific Coast Groundfish   | Widow rockfish - Pacific Coast                          | PFMC         | No <sup>36</sup>  | No - Rebuilding                              | No                                | Continue Rebuilding        | Year 8 of 14-year plan      | 0.96   |
| Pacific Coast Groundfish   | Yelloweye rockfish - Pacific Coast                      | PFMC         | No <sup>36</sup>  | Yes  | N/A                               | Continue Rebuilding        | Year 7 of 82-year plan      | 0.51   |
| Pacific Coast Groundfish   | Yellowtail rockfish - Northern Pacific Coast            | PFMC         | No <sup>36</sup>  | No   | No                                | N/A                        | N/A                         | 1.36   |
| U.S. West Coast Fisheries for Highly Migratory Species   | Skipjack tuna - Eastern Tropical Pacific <sup>38</sup>  | PFMC         | No  | No   | No                                | N/A                        | N/A                         | >1   |
| U.S. West Coast Fisheries for Highly Migratory Species   | Striped marlin - Eastern Tropical Pacific <sup>39</sup> | PFMC         | No  | No   | No                                | N/A                        | N/A                         | >1   |
| U.S. West Coast Fisheries for Highly Migratory Species   | Yellowfin tuna - Eastern Tropical Pacific <sup>40</sup> | PFMC         | Yes   | No   | No                                | Reduce Mortality           | N/A                         | 1.27   |
| U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region | Albacore - North Pacific                                | PFMC / WPFMC | Unknown <sup>41</sup>                                   | Unknown <sup>41</sup>                        | Unknown                           | N/A                        | N/A                         | not estimated                                      |
| U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region | Bigeye tuna - Pacific <sup>42</sup>                     | PFMC / WPFMC | Yes   | No   | No                                | Reduce Mortality           | N/A                         | 0.99 - ETP stock<br>1.44 - CWP stock <sup>43</sup> |
| U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region | Blue shark - Pacific                                    | PFMC / WPFMC | No  | No   | No                                | N/A                        | N/A                         | 1.11   |
| U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region | Dolphinfish - Pacific                                   | PFMC / WPFMC | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                         | not estimated                                      |
| U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region | Pacific bluefin tuna - Pacific                          | PFMC / WPFMC | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                         | not estimated                                      |
| U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region | Swordfish - North Pacific                               | PFMC / WPFMC | No  | No   | No                                | N/A                        | N/A                         | 1.75   |
| Pelagic Fisheries of the Western Pacific Region  | Albacore - South Pacific                                | WPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.69   |

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| FMP  | Stock   | Jurisdiction | Overfishing?<br>(Is Fishing Mortality above Threshold?) | Overfished?<br>(Is Biomass below Threshold?) | Approaching Overfished Condition? | Management Action Required | Rebuilding Program Progress   | B/Bmsy or B/Bmsy proxy |
|--|---|--------------|---|--|-----------------------------------|----------------------------|-------------------------------|------------------------|
| Pelagic Fisheries of the Western Pacific Region                            | Blue marlin - Pacific   | WPFMC        | No  | No   | No                                | N/A                        | N/A                           | 1.40                   |
| Pelagic Fisheries of the Western Pacific Region                            | Kawakawa - Tropical Pacific   | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Pelagic Fisheries of the Western Pacific Region                            | Opah - Pacific  | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Pelagic Fisheries of the Western Pacific Region                            | Shortbill spearfish - Pacific   | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Pelagic Fisheries of the Western Pacific Region                            | Skipjack tuna - Central Western Pacific <sup>38</sup>                         | WPFMC        | No  | No   | No                                | N/A                        | N/A                           | 3.00                   |
| Pelagic Fisheries of the Western Pacific Region                            | Striped marlin - Central Western Pacific <sup>39</sup>                        | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Pelagic Fisheries of the Western Pacific Region                            | Wahoo - Pacific   | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Pelagic Fisheries of the Western Pacific Region                            | Yellowfin tuna - Central Western Pacific <sup>40</sup>                        | WPFMC        | No  | No   | No                                | N/A                        | N/A                           | 1.57                   |
| Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region | American Samoa Bottomfish Multi-species Complex <sup>44</sup>                 | WPFMC        | No  | No   | No                                | N/A                        | N/A                           | 1.75                   |
| Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region | Guam Bottomfish Multi-species Complex <sup>44</sup>                           | WPFMC        | No  | No   | No                                | N/A                        | N/A                           | 1.56                   |
| Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region | Hancock Seamount Groundfish Complex <sup>45</sup>                             | WPFMC        | Unknown   | Yes* <sup>46</sup>                           | N/A                               | Continue Rebuilding        | Year 10 of plan <sup>47</sup> | not estimated          |
| Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region | Hawaiian Archipelago Bottomfish Multi-species Complex <sup>44</sup>           | WPFMC        | No  | No   | Unknown                           | N/A                        | N/A                           | 1.13                   |
| Coral Reef Ecosystem of the Western Pacific Region                         | Bigeye scad - Hawaiian Archipelago  | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Coral Reef Ecosystem of the Western Pacific Region                         | Hawaiian Archipelago Coral Reef Ecosystem Multi-species Complex <sup>48</sup> | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Coral Reef Ecosystem of the Western Pacific Region                         | Mackerel scad - Hawaiian Archipelago  | WPFMC        | Unknown   | Unknown                                      | Unknown                           | N/A                        | N/A                           | not estimated          |
| Bering Sea/Aleutian Islands King and Tanner Crabs                          | Blue king crab - Pribilof Islands   | NPFMC        | No <sup>49</sup>  | Yes  | N/A                               | Continue Rebuilding        | Year 6 of 10-year plan        | 0.03                   |
| Bering Sea/Aleutian Islands King and Tanner Crabs                          | Blue king crab - Saint Matthews Island  | NPFMC        | No <sup>49</sup>  | Rebuilt                                      | No                                | N/A                        | Rebuilt                       | 1.34                   |

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| FMP   | Stock  | Jurisdiction | Overfishing?<br>(Is Fishing Mortality above Threshold?) | Overfished?<br>(Is Biomass below Threshold?) | Approaching Overfished Condition? | Management Action Required | Rebuilding Program Progress | B/Bmsy or B/Bmsy proxy |
|---|--|--------------|---|--|-----------------------------------|----------------------------|-----------------------------|------------------------|
| Bering Sea/Aleutian Islands King and Tanner Crabs                 | Golden king crab - Aleutian Islands  | NPFMC        | No  | Undefined                                    | Unknown                           | N/A                        | N/A                         | not estimated          |
| Bering Sea/Aleutian Islands King and Tanner Crabs                 | Red king crab - Bristol Bay  | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.28                   |
| Bering Sea/Aleutian Islands King and Tanner Crabs                 | Red king crab - Norton Sound   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.89                   |
| Bering Sea/Aleutian Islands King and Tanner Crabs                 | Red king crab - Pribilof Islands   | NPFMC        | No <sup>49</sup>  | No   | N/A                               | N/A                        | N/A                         | 1.25                   |
| Bering Sea/Aleutian Islands King and Tanner Crabs                 | Red king crab - Western Aleutian Islands   | NPFMC        | No  | Undefined                                    | Unknown                           | N/A                        | N/A                         | not estimated          |
| Bering Sea/Aleutian Islands King and Tanner Crabs                 | Snow crab - Bering Sea   | NPFMC        | No  | No - Rebuilding                              | No                                | Continue Rebuilding        | Year 10 of 10-year plan     | 0.74                   |
| Bering Sea/Aleutian Islands King and Tanner Crabs                 | Southern Tanner crab - Bering Sea  | NPFMC        | No  | No   | Yes                               | N/A                        | N/A                         | 0.62                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Alaska plaice - Bering Sea / Aleutian Islands  | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 2.45                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Atka mackerel - Aleutian Islands   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.37                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Arrowtooth Flounder Complex <sup>50</sup>                | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 3.08                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex <sup>51</sup> | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.11                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Flathead Sole Complex <sup>52</sup>                      | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 2.02                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Rock Sole Complex <sup>53</sup>                          | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 2.00                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Greenland halibut - Bering Sea / Aleutian Islands                                      | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 2.12                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Northern rockfish - Bering Sea / Aleutian Islands                                      | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.41                   |

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| FMP  | Stock  | Jurisdiction | Overfishing?<br>(Is Fishing Mortality above Threshold?) | Overfished?<br>(Is Biomass below Threshold?) | Approaching Overfished Condition? | Management Action Required | Rebuilding Program Progress | B/Bmsy or B/Bmsy proxy |
|--|--|--------------|---|--|-----------------------------------|----------------------------|-----------------------------|------------------------|
| Groundfish of the Bering Sea and Aleutian Islands Management Area                                    | Pacific cod - Bering Sea / Aleutian Islands                                      | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.04                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area                                    | Pacific ocean perch - Bering Sea / Aleutian Islands                              | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.24                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area                                    | Walleye pollock - Aleutian Islands   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 0.90                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area                                    | Walleye pollock - Eastern Bering Sea   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 0.62                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area                                    | Yellowfin sole - Bering Sea / Aleutian Islands                                   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.82                   |
| Groundfish of the Bering Sea and Aleutian Islands Management Area / Groundfish of the Gulf of Alaska | Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska <sup>54</sup> | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.04                   |
| Groundfish of the Gulf of Alaska   | Arrowtooth flounder - Gulf of Alaska   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 2.98                   |
| Groundfish of the Gulf of Alaska   | Flathead sole - Gulf of Alaska   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 2.75                   |
| Groundfish of the Gulf of Alaska   | Gulf of Alaska Blackspotted and Rougheye Rockfish Complex <sup>51</sup>          | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.51                   |
| Groundfish of the Gulf of Alaska   | Gulf of Alaska Deepwater Flatfish Complex <sup>55</sup>                          | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 2.58                   |
| Groundfish of the Gulf of Alaska   | Gulf of Alaska Demersal Shelf Rockfish Complex <sup>56</sup>                     | NPFMC        | No  | Undefined                                    | Unknown                           | N/A                        | N/A                         | not estimated          |
| Groundfish of the Gulf of Alaska   | Gulf of Alaska Pelagic Shelf Rockfish Complex <sup>57</sup>                      | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.56                   |
| Groundfish of the Gulf of Alaska   | Gulf of Alaska Thornyhead Rockfish Complex <sup>58</sup>                         | NPFMC        | No  | Undefined                                    | Unknown                           | N/A                        | N/A                         | not estimated          |
| Groundfish of the Gulf of Alaska   | Northern rockfish - Western / Central Gulf of Alaska                             | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.65                   |
| Groundfish of the Gulf of Alaska   | Pacific cod - Gulf of Alaska   | NPFMC        | No  | No   | No                                | N/A                        | N/A                         | 1.12                   |

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| FMP  | Stock  | Jurisdiction | Overfishing?<br>(Is Fishing Mortality above Threshold?) | Overfished?<br>(Is Biomass below Threshold?) | Approaching Overfished Condition? | Management Action Required            | Rebuilding Program Progress                  | B/Bmsy or B/Bmsy proxy                    |
|--|--|--------------|---|--|-----------------------------------|---------------------------------------|--|---|
| Groundfish of the Gulf of Alaska               | Pacific ocean perch - Gulf of Alaska               | NPFMC        | No  | No   | No                                | N/A                                   | N/A  | 1.38                                      |
| Groundfish of the Gulf of Alaska               | Rex sole - Gulf of Alaska                          | NPFMC        | No  | No   | No                                | N/A                                   | N/A  | 2.69                                      |
| Groundfish of the Gulf of Alaska               | Walleye pollock - Western / Central Gulf of Alaska | NPFMC        | No  | No   | No                                | N/A                                   | N/A  | 0.84                                      |
| Consolidated Atlantic Highly Migratory Species | Albacore - North Atlantic                          | HMS          | Yes   | Yes  | N/A                               | Reduce Mortality, Rebuilding Program  | Year 3 of plan                               | 0.62                                      |
| Consolidated Atlantic Highly Migratory Species | Atlantic Large Coastal Shark Complex <sup>59</sup> | HMS          | Unknown   | Unknown                                      | Unknown                           | N/A                                   | N/A <sup>60</sup>                            | not estimated                             |
| Consolidated Atlantic Highly Migratory Species | Atlantic sharpnose shark - Atlantic <sup>61</sup>  | HMS          | No  | No   | No                                | N/A                                   | N/A  | 1.35                                      |
| Consolidated Atlantic Highly Migratory Species | Atlantic Small Coastal Shark Complex <sup>62</sup> | HMS          | No  | No   | No                                | N/A                                   | N/A  | 1.69                                      |
| Consolidated Atlantic Highly Migratory Species | Bigeye tuna - Atlantic                             | HMS          | No  | No - Rebuilding                              | No                                | Continue Rebuilding                   | Year 11 of plan <sup>63</sup>                | 0.92                                      |
| Consolidated Atlantic Highly Migratory Species | Blacknose shark - Atlantic <sup>61</sup>           | HMS          | Yes   | Yes  | N/A                               | Reduce Mortality, Rebuilding Program  | Develop rebuilding plan <sup>64</sup>        | 0.48                                      |
| Consolidated Atlantic Highly Migratory Species | Blacktip shark - Gulf of Mexico <sup>65</sup>      | HMS          | No  | No   | No                                | N/A                                   | N/A  | 2.56                                      |
| Consolidated Atlantic Highly Migratory Species | Blacktip shark - South Atlantic <sup>65</sup>      | HMS          | Unknown   | Unknown                                      | Unknown                           | N/A                                   | N/A  | not estimated                             |
| Consolidated Atlantic Highly Migratory Species | Blue marlin - North Atlantic                       | HMS          | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 11 of plan <sup>66</sup>                | not estimated                             |
| Consolidated Atlantic Highly Migratory Species | Blue shark - Atlantic <sup>67</sup>                | HMS          | No  | No   | No                                | N/A                                   | N/A  | 1.87-2.74                                 |
| Consolidated Atlantic Highly Migratory Species | Bluefin tuna - Western Atlantic                    | HMS          | Yes   | Yes  | N/A                               | Reduce Mortality, Continue Rebuilding | Year 11 of 19-year plan                      | 0.57 (0.46-0.70) LRS 0.14 (0.08-0.21) HRS |
| Consolidated Atlantic Highly Migratory Species | Bonnethead - Atlantic <sup>61</sup>                | HMS          | No  | No   | No                                | N/A                                   | N/A  | 0.83                                      |
| Consolidated Atlantic Highly Migratory Species | Dusky shark - Atlantic                             | HMS          | Yes   | Yes  | N/A                               | Reduce Mortality, Rebuilding Program  | year 2 of 100 to 400-year plan <sup>68</sup> | 0.22                                      |
| Consolidated Atlantic Highly Migratory Species | Finetooth shark - Atlantic <sup>61</sup>           | HMS          | No  | No   | No                                | N/A                                   | N/A  | 1.80                                      |
| Consolidated Atlantic Highly Migratory Species | Porbeagle - Atlantic <sup>67</sup>                 | HMS          | No  | Yes  | N/A                               | Continue Rebuilding                   | year 2 of 100-year plan <sup>69</sup>        | 0.15-0.32                                 |

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| <b>FMP</b>                                     | <b>Stock</b>                           | <b>Jurisdiction</b> | <b>Overfishing?<br/>(Is Fishing Mortality above Threshold?)</b> | <b>Overfished?<br/>(Is Biomass below Threshold?)</b> | <b>Approaching Overfished Condition?</b> | <b>Management Action Required</b>     | <b>Rebuilding Program Progress</b> | <b>B/Bmsy or B/Bmsy proxy</b> |
|--|--|---------------------|---|--|--|---------------------------------------|------------------------------------|-------------------------------|
| Consolidated Atlantic Highly Migratory Species | Sailfish - Western Atlantic            | HMS                 | Yes   | No - Rebuilding                                      | N/A                                      | Reduce Mortality, Continue Rebuilding | Year 11 of plan <sup>70</sup>      | > 75%Bmsy                     |
| Consolidated Atlantic Highly Migratory Species | Sandbar shark - Atlantic <sup>65</sup> | HMS                 | Yes   | Yes  | N/A                                      | Reduce Mortality, Continue Rebuilding | Year 3 of 66-year plan             | 0.72                          |
| Consolidated Atlantic Highly Migratory Species | Shortfin mako - Atlantic <sup>67</sup> | HMS                 | Yes   | No   | Yes                                      | Reduce Mortality                      | N/A                                | 0.48-3.77                     |
| Consolidated Atlantic Highly Migratory Species | Swordfish - North Atlantic             | HMS                 | No  | Rebuilt  | N/A                                      | N/A                                   | Rebuilt                            | 1.05                          |
| Consolidated Atlantic Highly Migratory Species | Yellowfin tuna - Western Atlantic      | HMS                 | No  | No   | Yes                                      | N/A                                   | N/A                                | 0.96                          |
| Consolidated Atlantic Highly Migratory Species | White marlin - North Atlantic          | HMS                 | Yes   | Yes  | N/A                                      | Reduce Mortality, Continue Rebuilding | Year 11 of plan <sup>66</sup>      | not estimated                 |

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

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

1. Although the red crab stock is currently listed as not subject to 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.
2. This stock is currently considered overfished. However, based on GARM III results (published in September, 2008) the status will change to not overfished if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
3. The stock is currently considered unknown with respect to the overfishing status. However, based on GARM III results (published in September, 2008) the status will change to not subject to overfishing if the GARM III results are incorporated into the Multispecies FMP. Incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
4. Based on the most recent review in the Groundfish Assessment Review Meeting III (GARM), Amendment 13 information, and draft Amendment 16 information, there is improved information for the stock and an analysis that has a rebuilding time estimate.
5. This stock is currently considered overfished. However, based on GARM III results (published in September, 2008) the status will change to not overfished and rebuilt if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
6. This stock is considered not subject to overfishing and not overfished. However, based on GARM III results (published in September, 2008) the status will change to approaching an overfished condition if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
7. This stock is considered to be not subject to overfishing and not overfished. However, based on GARM III results (published in September, 2008) the status will change to subject to overfishing and overfished if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
8. This stock is currently considered overfished and not subject to overfishing. However, based on GARM III results (published in September, 2008) the status will change to not overfished and subject to overfishing if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
9. This stock is considered subject to overfishing and not overfished. However, based on GARM III results (published in September, 2008) the overfishing status will remain the same and the overfished status will change to overfished if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
10. Although the Gulf of Maine Winter Flounder stock is currently listed as not experiencing "overfishing", and not "overfished" the most recent assessment (GARM III) was not able to precisely determine stock status. While the assessment model was rejected, the review panel concluded that it is likely the stock is below Bmsy, with a substantial probability that it may be below 1/2 Bmsy. Nevertheless, the status of this stock with respect to fishing mortality rate was not changed in this report.
11. This stock is considered subject to overfishing and overfished. However, based on the TRAC Status Report 2009/03 (published in June 2009), the status may change in 2010. Although the assessment did not include stock status determinations, NMFS believes that the data suggest that the stock is not subject to overfishing, but may be overfished. However, there is more uncertainty in the assessment than previous assessments due to the survey data. The final results of the TRAC are considered best scientific information available for management of the multispecies stocks. Incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
12. 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.
13. The Northeast Regional Office notified the New England Fishery Management Council (NEFMC) on July 21, 2008 that this stock is overfished. The NEFMC has been working on a rebuilding plan for winter skate since then.
14. The New England Fishery Management Council (NEFMC) was notified by the Northeast Regional Office on February 20, 2007 that this stock is overfished. The NEFMC has been working on a rebuilding plan for winter skate since then.
15. Although there is no Btarget identified for this stock, there is an approved minimum biomass threshold; based on this approved threshold, the biomass estimates indicate the stock is not overfished.
16. 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.
17. There is currently no Btarget or Bmsy identified for this stock. The MAFMC and the NEFMC voted at their last meetings to initiate a framework action to update the status determination criteria in the FMP (which would include adding a value for Bmsy). This could be implemented in 2009.
18. A rebuilding plan for butterfish is scheduled for implementation in early 2010.

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19. 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.
20. Although the most recent  $B/B_{msy} = 1.04$ , this stock has not been declared rebuilt. SARC 48 notes the following: The biomass estimates for recent years from the ASPIC model are likely over-optimistic because trends in commercial VTR CPUE declined recently in a manner consistent with the passage of the strong 1999 cohort through the population (an interpretation further supported by the length frequency data). The current assessment model (ASPIC) does not account for those factors. Much of the confidence interval around the 2008 biomass estimate falls below the updated BMSY listed above. Based on these considerations there is no convincing evidence that the stock has rebuilt to levels above BTARGET.
21. Gulf of Mexico pink shrimp was determined to be overfished because the 2008 stock assessment estimated the parent stock levels to be less than  $1/2 B_{msy}$ . However, since shrimp are essentially an "annual crop", it would not be appropriate to develop a rebuilding plan for this stock.
22. The Southeast Regional Office notified the South Atlantic Fishery Management Council (SAFMC) on July 8, 2008 that this stock is overfished and subject to overfishing. The SAFMC is currently working on a rebuilding plan for red snapper.
23. Although the overfished determination is not known, landings are at extremely low levels and there are only two participants in the fishery.
24. The most recent Spanish mackerel assessment (2008) concluded the species was not experiencing overfishing but overfished status was unknown. The most recent known determination of not overfished is based on the 2003 stock assessment.
25. The Southeast Regional Office notified the Gulf of Mexico Fishery Management Council (GMFMC) on August 11, 2009 that this stock is overfished. The GMFMC has two years from this date to implement a rebuilding plan for gag - Gulf of Mexico.
26. Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
27. The 2008 stock assessment, which concluded the stock was subject to overfishing, has been rejected, upon further review. This review determined that it was not presently possible to reach a valid conclusion regarding the abundance of pink shrimp relative to overfishing levels using the current modeling approach. Until a new assessment can be conducted, the determination of "not subject to overfishing" is based on the results of the 2007 stock assessment.
28. This unit (Grouper Unit 1) is part of the Caribbean Reef Fish FMU and is composed of Nassau grouper.
29. The fishery in the EEZ is closed. The fishery is now closed in the territorial waters of the USVI and Puerto Rico, therefore fishing mortality is very low. The overfishing status is pending review, based on this closure.
30. This unit (Grouper Unit 2) is part of the Caribbean Reef Fish FMU and is composed of Goliath grouper.
31. Fishery in the EEZ and territorial waters of the USVI is closed; therefore, fishing mortality is very low.
32. 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. A stock assessment was attempted on yellowfin grouper in 2007 through SEDAR 14. Data were not adequate to assess the species. The Council's SSC will review the assessment in 2008.
33. 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.
34. 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. A stock assessment was attempted on mutton snapper in 2007 through SEDAR 14. Data were not adequate to assess the species. The Council's SSC will review the assessment in 2008.
35. This unit (Snapper Unit 4) is part of the Caribbean Reef Fish FMU and is composed of yellowtail snapper.
36. Evaluation of overfishing based on the 2008 calendar year.
37. Petrale sole was declared overfished in Quarter 4 2009. The Pacific Fishery Management Council will begin preparing a rebuilding plan for this stock.
38. 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.



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39. 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. An assessment was conducted on the North Pacific striped marlin stock (ISC 2007, Report of 7th meeting of the ISC) and concluded that CPUE and other indicator trends have significantly declined from historical highs at the beginning of the fisheries to 2006. Although there is uncertainty associated with this assessment owing to data limitations, the results suggest that the stock in the North Pacific Ocean is experiencing intense exploitation. The responsible RFMO (IATTC and WCPFC) are scheduled to address this issue and provide justification for change in status. The previous status of not subject to overfishing and overfished will remain until / if the results of the ISC report are accepted.
40. The yellowfin tuna resource is managed by both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council. The PFMC manages the EPO stock under the West Coast Highly Migratory Species FMP and the WPFMC manages the WCPO stock under the Western Pacific Pelagics FMP. The determination of no overfishing for the WCPO stock is based on the latest (2007) point estimate of  $F_{current}/F_{msy} = 0.95$ , which indicates that the estimate of current  $F$  is very close to  $F_{msy}$ . Consideration of the uncertainty in that estimate indicates that there is a substantial (47%) likelihood that current  $F$  is actually greater than  $F_{msy}$ . This estimate was obtained from an assessment published by the Western and Central Pacific Fisheries Commission. The determination of overfishing of the stock in the Eastern Pacific Ocean is based on the latest (May 2007) estimate of  $F_{current}/F_{msy}=0.96$ . This estimate is provided by research by the Inter-American Tropical Tuna Commission indicating that the probability of  $F_{current}$  being greater than  $F_{msy}$  is high.
41. The status of Albacore - North Pacific is based on a suite of FMSY 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 FMSY 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).
42. 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).
43. The Southwest Region requested that an additional point not be added to the FSSI score for this stocks, despite the fact that  $B/B_{msy}$  is greater than 0.8 for the following reasons: 1) uncertainty of the population structure of bigeye tuna in the Pacific; 2) continued overfishing; and 3) lack of international cooperation.
44. This complex contains up to 19 species including Seabass - hapuu'upu, Squirrelfish Snapper - ehu, 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 -alekale, 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.
45. This stock complex uses pelagic armorhead as the indicator species of a three-species seamount groundfish complex that includes raftfish and alfonsin.
46. 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.
47. 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.
48. This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
49. Fishery in the EEZ is closed; therefore, fishing mortality is very low.
50. 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.
51. Blackspotted and Roughey Rockfish consists of Blackspotted Rockfish and Roughey Rockfish. An assessment of the combined species provides the overfished determination, and the OFL is based on the combined-species assessment.
52. 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.
53. 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.
54. 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.
55. 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.

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56. 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.
57. 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.
58. 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.
59. 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.
60. In 2006, NMFS received several stock assessments that changed the status of the LCS complex and several species within the complex. The LCS complex as a whole currently has a status of unknown and does not require a rebuilding plan. NMFS maintained the rebuilding plan for the LCS complex in order to ensure some management remained on the overfished species within the complex. With the creation of individual rebuilding plans for the overfished species within the complex in July 2008, NMFS now removes the rebuilding plan for the LCS complex as a whole.
61. This stock is part of the Small Coastal Shark Complex, but is assessed separately.
62. 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.
63. 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. The SCRS conducted an assessment of bigeye tuna in 2007.
64. This stock was formally declared overfished in May 2008. The Highly Migratory Species Division has one year from this date to develop a rebuilding plan for blacknose shark.
65. This stock is part of the Large Coastal Shark Complex, but is assessed separately.
66. 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.
67. This stock is part of the Pelagic Shark Complex, but is assessed separately.
68. 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.
69. 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.
70. 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.

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

| FMP  | Stock  | Jurisdiction | Overfishing?<br>(Is Fishing Mortality<br>above Threshold?) | Overfished?<br>(Is Biomass<br>below Threshold?) | Approaching<br>Overfished<br>Condition? | Management<br>Action<br>Required | Rebuilding<br>Program<br>Progress |
|--|--|--------------|--|---|---|----------------------------------|-----------------------------------|
| Atlantic Salmon  | Atlantic salmon - Gulf of Maine                          | NEFMC        | No   | Yes   | N/A                                     | Rebuild - ESA<br>listed          | not required <sup>1</sup>         |
| Coral, Coral Reefs and Live/Hard Bottom<br>Habitats of the South Atlantic Region | Black corals (Antipatharia) -<br>Southern Atlantic Coast | SAFMC        | No* <sup>2</sup>   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral, Coral Reefs and Live/Hard Bottom<br>Habitats of the South Atlantic Region | Fire corals (Milleporidae) -<br>Southern Atlantic Coast  | SAFMC        | No* <sup>2</sup>   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral, Coral Reefs and Live/Hard Bottom<br>Habitats of the South Atlantic Region | Hydrocorals (Stylasteridae) -<br>Southern Atlantic Coast | SAFMC        | No* <sup>2</sup>   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral, Coral Reefs and Live/Hard Bottom<br>Habitats of the South Atlantic Region | Soft corals (Octocorallia) -<br>Southern Atlantic Coast  | SAFMC        | No* <sup>2</sup>   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral, Coral Reefs and Live/Hard Bottom<br>Habitats of the South Atlantic Region | Stony corals (Scleractinia) -<br>Southern Atlantic Coast | SAFMC        | No* <sup>2</sup>   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Golden Crab Fishery of the South Atlantic<br>Region                              | Golden deepsea crab - Southern<br>Atlantic Coast         | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Golden Crab Fishery of the South Atlantic<br>Region                              | Jonah crab - Southern Atlantic<br>Coast                  | SAFMC        | Undefined  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Golden Crab Fishery of the South Atlantic<br>Region                              | Red deepsea crab - Southern<br>Atlantic Coast            | SAFMC        | Undefined  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Pelagic Sargassum Habitat of the South<br>Atlantic Region                        | Sargassum - Southern Atlantic<br>Coast                   | SAFMC        | No <sup>3</sup>  | No <sup>3</sup>                                 | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South<br>Atlantic Region                          | Almaco jack - Southern Atlantic<br>Coast                 | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South<br>Atlantic Region                          | Atlantic spadefish - Southern<br>Atlantic Coast          | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South<br>Atlantic Region                          | Banded rudderfish - Southern<br>Atlantic Coast           | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South<br>Atlantic Region                          | Bank sea bass - Southern Atlantic<br>Coast               | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South<br>Atlantic Region                          | Bar jack - Southern Atlantic Coast                       | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South<br>Atlantic Region                          | Black margate - Southern Atlantic<br>Coast               | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South<br>Atlantic Region                          | Black snapper - Southern Atlantic<br>Coast               | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |

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| <b>FMP</b>   | <b>Stock</b>                                | <b>Jurisdiction</b> | <b>Overfishing?<br/>(Is Fishing Mortality<br/>above Threshold?)</b> | <b>Overfished?<br/>(Is Biomass<br/>below Threshold?)</b> | <b>Approaching<br/>Overfished<br/>Condition?</b> | <b>Management<br/>Action<br/>Required</b> | <b>Rebuilding<br/>Program<br/>Progress</b> |
|--|---|---------------------|---|--|--|---|--|
| Snapper-Grouper Fishery of the South Atlantic Region | Blackfin snapper - Southern Atlantic Coast  | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Blue runner - Southern Atlantic Coast       | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Blueline tilefish - Southern Atlantic Coast | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Bluestriped grunt - Southern Atlantic Coast | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Coney - Southern Atlantic Coast             | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Cottonwick - Southern Atlantic Coast        | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Crevalle jack - Southern Atlantic Coast     | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Cubera snapper - Southern Atlantic Coast    | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Dog snapper - Southern Atlantic Coast       | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | French grunt - Southern Atlantic Coast      | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Grass porgy - Southern Atlantic Coast       | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Gray snapper - Southern Atlantic Coast      | SAFMC               | No  | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Graysby - Southern Atlantic Coast           | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Jolthead porgy - Southern Atlantic Coast    | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Knobbed porgy - Southern Atlantic Coast     | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Lane snapper - Southern Atlantic Coast      | SAFMC               | No  | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Lesser amberjack - Southern Atlantic Coast  | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Longspine porgy - Southern Atlantic Coast   | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Mahogany snapper - Southern Atlantic Coast  | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Snapper-Grouper Fishery of the South Atlantic Region | Margate - Southern Atlantic Coast           | SAFMC               | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |

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| FMP  | Stock                                       | Jurisdiction | Overfishing?<br>(Is Fishing Mortality<br>above Threshold?) | Overfished?<br>(Is Biomass<br>below Threshold?) | Approaching<br>Overfished<br>Condition? | Management<br>Action<br>Required | Rebuilding<br>Program<br>Progress |
|--|---|--------------|--|---|---|----------------------------------|-----------------------------------|
| Snapper-Grouper Fishery of the South Atlantic Region | Misty grouper - Southern Atlantic Coast     | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Nassau grouper - Southern Atlantic Coast    | SAFMC        | No <sup>2</sup>  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Ocean triggerfish - Southern Atlantic Coast | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Porkfish - Southern Atlantic Coast          | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Puddingwife - Southern Atlantic Coast       | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Queen snapper - Southern Atlantic Coast     | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Queen triggerfish - Southern Atlantic Coast | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Red hind - Southern Atlantic Coast          | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Rock hind - Southern Atlantic Coast         | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Rock sea bass - Southern Atlantic Coast     | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Sailors choice - Southern Atlantic Coast    | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Sand tilefish - Southern Atlantic Coast     | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Saucereye porgy - Southern Atlantic Coast   | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Schoolmaster - Southern Atlantic Coast      | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Scup - Southern Atlantic Coast              | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Sheepshead - Southern Atlantic Coast        | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Silk snapper - Southern Atlantic Coast      | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Smallmouth grunt - Southern Atlantic Coast  | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Spanish grunt - Southern Atlantic Coast     | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region | Tiger grouper - Southern Atlantic Coast     | SAFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |

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|--|---|---------------|--|---|---|----------------------------------|-----------------------------------|
| Snapper-Grouper Fishery of the South Atlantic Region   | Tomate - Southern Atlantic Coast                          | SAFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region   | Whitebone porgy - Southern Atlantic Coast                 | SAFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region   | Yellow jack - Southern Atlantic Coast                     | SAFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region   | Yellowedge grouper - Southern Atlantic Coast              | SAFMC         | No   | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region   | Yellowfin grouper - Southern Atlantic Coast               | SAFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region   | Yellowmouth grouper - Southern Atlantic Coast             | SAFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Dolphin and Wahoo Fishery of the Atlantic  | Wahoo - Southern Atlantic Coast                           | SAFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic                     | Cero - Southern Atlantic Coast / Gulf of Mexico           | SAFMC / GMFMC | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico | Mutton snapper - Southern Atlantic Coast / Gulf of Mexico | SAFMC / GMFMC | No   | No  | No                                      | N/A                              | N/A                               |
| Spiny Lobster in the Gulf of Mexico and South Atlantic   | Ridged slipper lobster - Gulf of Mexico                   | SAFMC / GMFMC | Undefined  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic                     | Bluefish - Gulf of Mexico                                 | GMFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Coral and Coral Reefs of the Gulf of Mexico  | Black corals (Antipatharia) - Gulf of Mexico              | GMFMC         | No*2   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral and Coral Reefs of the Gulf of Mexico  | Fire corals (Milleporidae) - Gulf of Mexico               | GMFMC         | No*2   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral and Coral Reefs of the Gulf of Mexico  | Hydrocorals (Stylasteridae) - Gulf of Mexico              | GMFMC         | No*2   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral and Coral Reefs of the Gulf of Mexico  | Soft corals (Octocorallia) - Gulf of Mexico               | GMFMC         | No*2   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Coral and Coral Reefs of the Gulf of Mexico  | Stony corals (Scleractinia) - Gulf of Mexico              | GMFMC         | No*2   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Reef Fish Resources of the Gulf of Mexico  | Almaco jack - Gulf of Mexico                              | GMFMC         | Unknown  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Reef Fish Resources of the Gulf of Mexico  | Anchor tilefish - Gulf of Mexico                          | GMFMC         | Unknown  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Reef Fish Resources of the Gulf of Mexico  | Banded rudderfish - Gulf of Mexico                        | GMFMC         | Unknown  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |

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|---|-------------------------------------|---------------------|---|--|--|---|--|
| Reef Fish Resources of the Gulf of Mexico | Blackfin snapper - Gulf of Mexico   | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Blackline tilefish - Gulf of Mexico | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Blueline tilefish - Gulf of Mexico  | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Cubera snapper - Gulf of Mexico     | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Dog snapper - Gulf of Mexico        | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Dwarf sand perch - Gulf of Mexico   | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Goldface tilefish - Gulf of Mexico  | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Gray snapper - Gulf of Mexico       | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Lane snapper - Gulf of Mexico       | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Lesser amberjack - Gulf of Mexico   | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Mahogany snapper - Gulf of Mexico   | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Misty grouper - Gulf of Mexico      | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Queen snapper - Gulf of Mexico      | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Red hind - Gulf of Mexico           | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Rock hind - Gulf of Mexico          | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Sand perch - Gulf of Mexico         | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Scamp - Gulf of Mexico              | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Schoolmaster - Gulf of Mexico       | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Silk snapper - Gulf of Mexico       | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico | Speckled hind - Gulf of Mexico      | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |

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|--|--|---------------------|---|--|--|---|--|
| Reef Fish Resources of the Gulf of Mexico                                  | Tilefish - Gulf of Mexico                    | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico                                  | Warsaw grouper - Gulf of Mexico              | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico                                  | Wenchman - Gulf of Mexico                    | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico                                  | Yellowfin grouper - Gulf of Mexico           | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Reef Fish Resources of the Gulf of Mexico                                  | Yellowmouth grouper - Gulf of Mexico         | GMFMC               | Unknown   | Undefined  | Unknown  | N/A                                       | N/A  |
| Shrimp Fishery of the Gulf of Mexico                                       | Brown rock shrimp - Gulf of Mexico           | GMFMC               | No*   | No   | No   | N/A                                       | N/A  |
| Shrimp Fishery of the Gulf of Mexico                                       | Seabob - Gulf of Mexico                      | GMFMC               | Undefined   | Undefined  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Angelfishes Complex <sup>4</sup>   | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Boxfishes Complex <sup>5</sup>     | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Goatfishes Complex <sup>6</sup>    | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Grouper Unit 3 <sup>7</sup>        | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Grunts Complex <sup>8</sup>        | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Jacks Complex <sup>9</sup>         | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Parrotfishes Complex <sup>10</sup> | CFMC                | Yes   | No   | Yes  | Reduce Mortality                          | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Porgies Complex <sup>11</sup>      | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands | Caribbean Snapper Unit 2 <sup>12</sup>       | CFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |



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|---|---|--------------|--|---|---|----------------------------------|-----------------------------------|
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands                              | Caribbean Squirrelfishes Complex <sup>13</sup>  | CFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands                              | Caribbean Surgeonfishes Complex <sup>14</sup>   | CFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands                              | Caribbean Tilefishes Complex <sup>15</sup>  | CFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands                              | Caribbean Triggerfishes and Filefishes Complex <sup>16</sup>  | CFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands                              | Caribbean Wrasses Complex <sup>17</sup>   | CFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Corals and Reef Associated Plants and Invertebrates of Puerto Rico and the United States Virgin Islands | Caribbean Corals and Reef Associated Plants and Invertebrates Data Collection Species Complex <sup>18</sup> | CFMC         |  |   | N/A                                     | N/A                              | N/A                               |
| Queen Conch Resources of Puerto Rico and the United States Virgin Islands                               | Caribbean Conch Data Collection Species Complex <sup>19</sup>   | CFMC         |  |   | N/A                                     | N/A                              | N/A                               |
| Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands                              | Caribbean Aquarium Trade Species Complex <sup>20</sup>  | CFMC         |  |   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Groundfish  | Aurora rockfish - Pacific Coast   | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish  | Big skate - Pacific Coast   | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish  | Black rockfish - Southern Pacific Coast   | PFMC         | No   | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Groundfish  | Black-and-yellow rockfish - Pacific Coast   | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish  | Bronzespotted rockfish - Pacific Coast  | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish  | Butter sole - Pacific Coast   | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish  | Calico rockfish - Pacific Coast   | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish  | California skate - Pacific Coast  | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |

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|--------------------------|--|--------------|--|---|---|----------------------------------|-----------------------------------|
| Pacific Coast Groundfish | Chameleon rockfish - Pacific Coast     | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | China rockfish - Pacific Coast         | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Copper rockfish - Pacific Coast        | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Curlfin sole - Pacific Coast           | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Dusky rockfish - Pacific Coast         | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Dwarf red rockfish - Pacific Coast     | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Flag rockfish - Pacific Coast          | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Flathead sole - Pacific Coast          | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Freckled rockfish - Pacific Coast      | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Grass rockfish - Pacific Coast         | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Greenblotched rockfish - Pacific Coast | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Greenspotted rockfish - Pacific Coast  | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Greenstriped rockfish - Pacific Coast  | PFMC         | Unknown  | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Groundfish | Halfbanded rockfish - Pacific Coast    | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Harlequin rockfish - Pacific Coast     | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Honeycomb rockfish - Pacific Coast     | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Kelp rockfish - Pacific Coast          | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Leopard shark - Pacific Coast          | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Mexican rockfish - Pacific Coast       | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Olive rockfish - Pacific Coast         | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Groundfish | Pacific flatnose - Pacific Coast       | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |

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|--------------------------|-------------------------------------|---------------------|---|--|--|---|--|
| Pacific Coast Groundfish | Pink rockfish - Pacific Coast       | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Pinkrose rockfish - Pacific Coast   | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Pygmy rockfish - Pacific Coast      | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Quillback rockfish - Pacific Coast  | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Redbanded rockfish - Pacific Coast  | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Redstripe rockfish - Pacific Coast  | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Rock sole - Pacific Coast           | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Rosethorn rockfish - Pacific Coast  | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Rosy rockfish - Pacific Coast       | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Sharpchin rockfish - Pacific Coast  | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Shortraker rockfish - Pacific Coast | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Silvergray rockfish - Pacific Coast | PFMC                | No  | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Speckled rockfish - Pacific Coast   | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Spotted ratfish - Pacific Coast     | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Squarespot rockfish - Pacific Coast | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Starry rockfish - Pacific Coast     | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Stripetail rockfish - Pacific Coast | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Swordspine rockfish - Pacific Coast | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Tiger rockfish - Pacific Coast      | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Tope - Pacific Coast                | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Groundfish | Treefish - Pacific Coast            | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |

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|--------------------------|---|---------------------|---|--|--|---|--|
| Pacific Coast Groundfish | Yellowmouth rockfish - Pacific Coast  | PFMC                | Unknown   | Unknown  | Unknown  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - California Central Valley: Sacramento (fall)                                 | PFMC                | No  | No   | No   | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - California Central Valley: Sacramento (spring)                               | PFMC                | N/A Exception 3**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - California Central Valley: Sacramento (winter)                               | PFMC                | N/A Exception 3**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Klickitat, Warm Springs, John Day, and Yakima (spring) | PFMC                | N/A Exception 2**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Lower River Hatchery (fall)                            | PFMC                | N/A Exception 1**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Lower River Hatchery (spring)                          | PFMC                | N/A Exception 1**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery (fall)                       | PFMC                | N/A Exception 1**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: North Lewis (fall)                                     | PFMC                | N/A Exception 3**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Snake (fall)   | PFMC                | N/A Exception 3**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Snake (spring/summer)                                  | PFMC                | N/A Exceptions 2 & 3**  | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Spring Creek Hatchery (fall)                           | PFMC                | N/A Exception 1**   | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Upper River (spring)                                   | PFMC                | N/A Exceptions 2 & 3**  | N/A  | N/A  | N/A                                       | N/A  |
| Pacific Coast Salmon     | Chinook salmon - Columbia River Basin: Upper River (summer)                                   | PFMC                | N/A Exception 2**   | N/A  | N/A  | N/A                                       | N/A  |

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| FMP                  | Stock  | Jurisdiction | Overfishing?<br>(Is Fishing Mortality<br>above Threshold?) | Overfished?<br>(Is Biomass<br>below Threshold?) | Approaching<br>Overfished<br>Condition? | Management<br>Action<br>Required         | Rebuilding<br>Program<br>Progress |
|----------------------|--|--------------|--|---|---|--|-----------------------------------|
| Pacific Coast Salmon | Chinook salmon - Columbia River<br>Basin: Upper River Bright (fall)  | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Columbia River<br>Basin: Upper Willamette (spring)  | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Northern<br>California Coast: Eel, Mattole,<br>Mad, and Smith (fall/spring) <sup>21</sup> | PFMC         | N/A Exception 3**  | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Northern<br>California Coast: Klamath (fall)  | PFMC         | No <sup>22</sup>   | No - Rebuilding <sup>22</sup>                   | No                                      | Develop rebuilding<br>plan <sup>22</sup> | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Northern<br>California Coast: Klamath (spring)  | PFMC         | Unknown  | Unknown   | Unknown                                 | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Oregon Coast:<br>Central and Northern   | PFMC         | No   | No  | No                                      | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Oregon Coast:<br>Southern   | PFMC         | No   | No  | No                                      | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Cedar (summer/fall)   | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Eastern Strait of Juan de Fuca<br>(summer/fall)                           | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Green (summer/fall)   | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Nisqually (summer/fall)   | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Nooksack (spring early)   | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Skagit (spring)   | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Skagit (summer/fall)  | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Skokomish (summer/fall)   | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                                      | N/A                               |

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|----------------------|---|--------------|--|---|---|----------------------------------|-----------------------------------|
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Snohomish (summer/fall)            | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>Stillaguamish (summer/fall)        | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Puget Sound:<br>White (spring)                     | PFMC         | N/A Exceptions 2 & 3**                                     | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Southern British<br>Columbia: Coastal              | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Southern British<br>Columbia: Fraser <sup>23</sup> | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Grays Harbor (fall)           | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Grays Harbor (spring)         | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Hoh (fall)                    | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Hoh (spring/summer)           | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Hoko (summer/fall)            | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Queets (fall)                 | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Queets (spring/summer)        | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Quillayute (fall)             | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Quillayute (spring/summer)    | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington<br>Coast: Quinalt (fall)                | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                              | N/A                               |

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|----------------------|--|--------------|--|---|---|----------------------------------|-----------------------------------|
| Pacific Coast Salmon | Chinook salmon - Washington Coast: Willapa Bay Fall (hatchery)                     | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Chinook salmon - Washington Coast: Willapa Bay Fall (natural)                      | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Oregon Production Index Area: Central California Coast               | PFMC         | N/A Exception 3**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Oregon Production Index Area: Columbia (early hatchery)              | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Oregon Production Index Area: Columbia (late hatchery)               | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Oregon Production Index Area: Columbia (natural)                     | PFMC         | N/A Exception 3**  | N/A   | Unknown                                 | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Oregon Production Index Area: Northern California                    | PFMC         | N/A Exception 3**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Oregon Production Index Area: Oregon Coastal (natural) <sup>24</sup> | PFMC         | No   | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Puget Sound: Eastern Strait of Juan de Fuca                          | PFMC         | No   | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Puget Sound: Hood Canal  | PFMC         | No   | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Puget Sound: Skagit  | PFMC         | No   | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Puget Sound: Snohomish   | PFMC         | No   | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Puget Sound: South Puget Sound (hatchery)                            | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Puget Sound: Stillaguamish   | PFMC         | No   | No  | No                                      | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Southern British Columbia: Coastal                                   | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |
| Pacific Coast Salmon | Coho salmon - Southern British Columbia: Fraser <sup>23</sup>                      | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                              | N/A                               |

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|--|--|--------------|--|---|---|--|-----------------------------------|
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Grays Harbor  | PFMC         | No   | No  | No                                      | N/A                                      | N/A                               |
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Hoh   | PFMC         | No   | No  | No                                      | N/A                                      | N/A                               |
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Queets  | PFMC         | No   | Yes   | N/A                                     | Develop rebuilding<br>plan <sup>25</sup> | N/A                               |
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Quillayute (fall)                                     | PFMC         | No   | No  | No                                      | N/A                                      | N/A                               |
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Quillayute (summer)                                   | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Quinault  | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Western Strait of Juan de Fuca                        | PFMC         | No   | Yes   | N/A                                     | Develop rebuilding<br>plan <sup>26</sup> | N/A                               |
| Pacific Coast Salmon   | Coho salmon - Washington Coast:<br>Willapa Bay   | PFMC         | N/A Exception 1**  | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon   | Pink salmon - Puget Sound (odd-<br>numbered years) <sup>23</sup>                         | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                                      | N/A                               |
| Pacific Coast Salmon   | Pink salmon - Southern British<br>Columbia: Fraser (odd-numbered<br>years) <sup>23</sup> | PFMC         | N/A Exception 2**  | N/A   | N/A                                     | N/A                                      | N/A                               |
| U.S. West Coast Fisheries for Highly<br>Migratory Species / Pelagic Fisheries of<br>the Western Pacific Region | Bigeye thresher - North Pacific  | PFMC / WPFMC | Unknown  | Unknown   | Unknown                                 | N/A                                      | N/A                               |
| U.S. West Coast Fisheries for Highly<br>Migratory Species / Pelagic Fisheries of<br>the Western Pacific Region | Pelagic thresher - North Pacific   | PFMC / WPFMC | Unknown  | Unknown   | Unknown                                 | N/A                                      | N/A                               |
| U.S. West Coast Fisheries for Highly<br>Migratory Species / Pelagic Fisheries of<br>the Western Pacific Region | Shortfin mako - North Pacific  | PFMC / WPFMC | Unknown  | Unknown   | Unknown                                 | N/A                                      | N/A                               |
| U.S. West Coast Fisheries for Highly<br>Migratory Species / Pelagic Fisheries of<br>the Western Pacific Region | Thresher shark - North Pacific   | PFMC / WPFMC | Unknown  | Unknown   | Unknown                                 | N/A                                      | N/A                               |



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|--|--|--------------|--|---|---|----------------------------------|-----------------------------------|
| Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region | Northern Mariana Islands Bottomfish Multi-species Complex <sup>27</sup>              | WPFMC        | No   | No  | No                                      | N/A                              | N/A                               |
| Coral Reef Ecosystem of the Western Pacific Region                         | American Samoa Coral Reef Ecosystem Multi-species Complex <sup>28</sup>              | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Coral Reef Ecosystem of the Western Pacific Region                         | Guam Coral Reef Ecosystem Multi-species Complex <sup>28</sup>                        | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Coral Reef Ecosystem of the Western Pacific Region                         | Northern Mariana Islands Coral Reef Ecosystem Multi-species Complex <sup>28</sup>    | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Coral Reef Ecosystem of the Western Pacific Region                         | Pacific Island Remote Areas Coral Reef Ecosystem Multi-species Complex <sup>29</sup> | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Crustacean Fisheries of the Western Pacific Region                         | Northwestern Hawaiian Islands Lobster Complex <sup>30</sup>                          | WPFMC        | No   | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Crustacean Fisheries of the Western Pacific Region                         | Other than Northwestern Hawaiian Islands Lobster Complex <sup>30</sup>               | WPFMC        | Undefined  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Crustacean Fisheries of the Western Pacific Region                         | Spanner crab - Western Pacific Islands   | WPFMC        | Undefined  | Undefined                                       | 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                            | Longfin mako - North 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                            | Pomfrets (Bramidae) - Western 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                            | Salmon 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                            | Snake mackerels (Gempylidae) - Pacific   | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Pelagic Fisheries of the Western Pacific Region                            | Tropical Pacific Other Tuna Relatives Complex <sup>32</sup>                          | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |

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|---|--|--------------|--|---|---|----------------------------------|-----------------------------------|
| Precious Coral Fisheries of the Western Pacific Region            | Au'Au Bed Black Coral Complex <sup>33</sup>                          | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Precious Coral Fisheries of the Western Pacific Region            | Conditional Beds Precious Corals Multi-species Complex <sup>34</sup> | WPFMC        | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Precious Coral Fisheries of the Western Pacific Region            | Makapu'u Bed Precious Corals Multi-species Complex <sup>34</sup>     | WPFMC        | No <sup>35</sup>   | Unknown   | 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                               |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Other Flatfish Complex <sup>36</sup>   | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Other Rockfish Complex <sup>37</sup>   | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Other Species Complex <sup>38</sup>    | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Bering Sea / Aleutian Islands Squid Complex <sup>39</sup>            | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Shortraker rockfish - Bering Sea / Aleutian Islands                  | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Bering Sea and Aleutian Islands Management Area | Walleye pollock - Bogoslof   | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Atka mackerel - Gulf of Alaska                                       | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Big skate - Gulf of Alaska   | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Gulf of Alaska Other Skates Complex <sup>40</sup>                    | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Gulf of Alaska Other Slope Rockfish Complex <sup>41</sup>            | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Gulf of Alaska Other Species Complex <sup>42</sup>                   | NPFMC        | Undefined  | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Gulf of Alaska Shallow Water Flatfish Complex <sup>43</sup>          | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Longnose skate - Gulf of Alaska                                      | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Shortraker rockfish - Gulf of Alaska                                 | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |
| Groundfish of the Gulf of Alaska                                  | Walleye pollock - Eastern Gulf of Alaska                             | NPFMC        | No   | Undefined                                       | Unknown                                 | N/A                              | N/A                               |

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|--|--|-----------------|--|---|---|----------------------------------|-----------------------------------|
| Salmon Fisheries in the EEZ off the Coast of Alaska    | Alaska Coho Salmon Assemblage <sup>44</sup>  | NPFMC           | No   | No  | No                                      | N/A                              | N/A                               |
| Salmon Fisheries in the EEZ off the Coast of Alaska    | Chinook salmon - Eastern North Pacific Far North Migrating                               | NPFMC           | No   | No  | No                                      | N/A                              | N/A                               |
| Scallop Fishery off Alaska                             | Bering scallop - Alaska  | NPFMC           | Undefined  | Undefined                                       | N/A                                     | N/A                              | N/A                               |
| Scallop Fishery off Alaska                             | Giant rock scallop - Alaska  | NPFMC           | Undefined  | Undefined                                       | N/A                                     | N/A                              | N/A                               |
| Scallop Fishery off Alaska                             | Reddish scallop - Alaska   | NPFMC           | Undefined  | Undefined                                       | N/A                                     | N/A                              | N/A                               |
| Scallop Fishery off Alaska                             | Spiny scallop - Alaska   | NPFMC           | Undefined  | Undefined                                       | N/A                                     | N/A                              | N/A                               |
| Scallop Fishery off Alaska                             | Weathervane scallop - Alaska   | NPFMC           | No   | Undefined                                       | N/A                                     | N/A                              | N/A                               |
| Scallop Fishery off Alaska                             | White scallop - Alaska   | NPFMC           | Undefined  | Undefined                                       | N/A                                     | N/A                              | N/A                               |
| Fish Resources of the Arctic Management Area           | Arctic cod - Arctic management area  | NPFMC           | No <sup>45</sup>   | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Fish Resources of the Arctic Management Area           | Saffron cod - Arctic management area   | NPFMC           | No <sup>45</sup>   | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Fish Resources of the Arctic Management Area           | Snow crab - Arctic management area   | NPFMC           | No <sup>45</sup>   | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Fish Resources of the Arctic Management Area           | Additional Ecosystem Component Species   | NPFMC           |  |   |   |                                  |                                   |
| Consolidated Atlantic Highly Migratory Species         | Longbill spearfish - Western Atlantic  | HMS             | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Consolidated Atlantic Highly Migratory Species         | Skipjack tuna - Western Atlantic   | HMS             | No   | No  | No                                      | N/A                              | N/A                               |
| Consolidated Atlantic Highly Migratory Species         | Atlantic Pelagic Shark Complex <sup>46</sup>   | HMS             | Unknown  | Unknown   | Unknown                                 | N/A                              | N/A                               |
| Consolidated Atlantic Highly Migratory Species         | Thirty-three deepwater and other species for data collection only purposes <sup>47</sup> | HMS             |  |   |   | N/A                              | N/A                               |
| International Pacific Halibut Commission <sup>48</sup> | Pacific halibut - Pacific Coast / Alaska   | IPHC/NPFMC/PFMC | Undefined  | No  | No                                      | N/A                              | N/A                               |

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

\*\* 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.

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. Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. This unit (Squirrelfishes) is part of the Caribbean Reef Fish FMU and is composed of black bar squirrelfish, longspine squirrelfish, bigeye (*Priacanthus arenatus*), and squirrelfish. There is no indicator species for this unit.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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, Foureye 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 Damsel, Dusky Damsel, Beaugregory, Bicolor Damsel, Threespot Damsel, Glasseye Snapper, High-hat, Jackknife-fish, Spotted Drum, Scorpionfishes, Butter
21. 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.
22. This stock failed to meet its conservation objective for 3 consecutive years in 2004, 2005 and 2006, triggering an overfishing concern. The stock was determined by NMFS to be in a state of decline on April 7, 2007. Because the stock was considered overfished as a result of the escapement failure from 2004-2006, a rebuilding plan is required. The Council submitted recommendations to NMFS in June 2008 that proposed to end the overfishing concern and management measures to implement during rebuilding. NMFS will publish the proposed rebuilding plan for public comment, based on the Council's recommendations, in early 2009.
23. 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.

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24. 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, are also listed as threatened. The OCN stocks have met their management objectives in recent years.
25. This stock failed to meet its conservation objective for 3 consecutive years in 2006, 2007, and 2008. The PFMC was notified on July 31, 2009 that they are required to develop a rebuilding plan for this stock and have 2 years from this date to implement a plan.
26. This stock failed to meet its conservation objective for 3 consecutive years in 2005, 2006, and 2007. The PFMC was notified on July 31, 2009 that they are required to develop a rebuilding plan for this stock and have 2 years from this date to implement a plan.
27. 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.
28. This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
29. 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.
30. This complex contains up to 5 species including Red Spiny Lobster, Green Spiny Lobster, Common Slipper Lobster, Chinese Slipper Lobster, and Giant Slipper Lobster.
31. The fishery has been closed since 1999 and fishing mortality has been virtually zero since then.
32. The management unit includes *Auxis* spp. (frigate mackerels), *Allotunnus* spp. (slender tunas), and *Scomber* spp. (mackerels).
33. This complex contains up to 3 species including *Antipathes grandis*, *Antipathes dichotoma*, and *Antipathes ulex*.
34. 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*.
35. There has been virtually no fishing for this stock since 2001 and fishing mortality has been virtually zero since then.
36. 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.
37. 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.
38. 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 *Bathypolyopus 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.
39. 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.
40. 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.
41. 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.

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42. 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 eurypops*, 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 makeo*, 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 borealjaponicus*. 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.
43. 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.
44. The coho salmon assemblage consists of coho, sockeye, pink, and chum salmon throughout southeast Alaska. There are 4 indicator stocks of coho salmon that are used to determine the status of the assemblage; these indicator stocks are Auke Creek, Berners River, Ford Arm Lake, and Hugh Smith Lake.
45. There is no commercial fishing for this stock, including Alaska state waters and international fishing, so fishing mortality is expected to be zero.
46. 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.
47. There are an additional 33 deepwater and other species contained in this FMP, but are not contained in the management unit and are for data collection purposes only. These species include Iceland catshark, Smallfin catshark, Deepwater catshark, Broadgill catshark, Marbled catshark, Blotched catshark, Chain dogfish, Dwarf catshark, Japanese gulper shark, Gulper shark, Little gulper shark, Kitefin shark, Flatnose gulper shark, Portuguese shark, Greenland shark, Lined lanternshark, Broadband dogfish, Caribbean lanternshark, Great lanternshark, Smooth lanternshark, Fringe fin lanternshark, Green lanternshark, Cookiecutter shark, Bigtooth cookiecutter, Smallmouth velvet Dogfish, Pygmy shark, Roughskin spiny dogfish, Blainville's dogfish, Cuban dogfish, Bramble shark, American sawshark, Florida smoothhound, and Smooth dogfish.
48. The resource is managed by treaty between the United States and Canada through recommendations of the International Pacific Halibut Commission. Pacific halibut is managed under the jurisdiction of the PFMCA for WA, OR, and CA and under the jurisdiction of the NPFMC for Alaska.

**Table C. Summary of stock status for species not contained in federal fishery management plans.****NOTE: These stocks are not counted toward the total of overfished stocks.**

| Stock   | Jurisdiction | Overfishing?<br>(Is Fishing Mortality<br>above Threshold?) | Overfished?<br>(Is Biomass below<br>Threshold?) | Approaching<br>Overfished Condition? |
|---|--------------|--|---|--------------------------------------|
| American eel - Atlantic Coast   | ASMFC        | Unknown  | Unknown   | Unknown                              |
| American lobster - Georges Bank   | ASMFC        | No   | No  | Unknown                              |
| American lobster - Gulf of Maine  | ASMFC        | No   | No  | Unknown                              |
| American lobster - Southern New England                                   | ASMFC        | Yes  | Yes <sup>1</sup>                                | N/A                                  |
| American shad - Atlantic Coast  | ASMFC        | Unknown  | Unknown   | Unknown                              |
| Atlantic croaker - Mid-Atlantic Coast                                     | ASMFC        | No   | No  | No                                   |
| Atlantic croaker - Southern Atlantic Coast                                | ASMFC        | Unknown  | Unknown   | Unknown                              |
| Atlantic menhaden - Atlantic Coast  | ASMFC        | No   | No  | Unknown                              |
| Atlantic sturgeon - Atlantic Coast  | ASMFC        | No   | Yes   | N/A                                  |
| Hickory shad - Atlantic Coast   | ASMFC        | Unknown  | Unknown   | Unknown                              |
| Horseshoe crab - Atlantic Coast   | ASMFC        | Unknown  | Unknown   | Unknown                              |
| Northern shrimp - Northwestern Atlantic Coast                             | ASMFC        | No   | No  | Unknown                              |
| Red drum - Northern Atlantic Coast  | ASMFC        | No   | Undefined                                       | Unknown                              |
| Red drum - Southern Atlantic Coast  | ASMFC        | No   | Undefined                                       | Unknown                              |
| River herrings ( <i>Alosa</i> spp.) - Southern New England / Mid-Atlantic | ASMFC        | Unknown  | Unknown   | Unknown                              |
| Spot - Mid-Atlantic Coast   | ASMFC        | Unknown  | Unknown   | Unknown                              |
| Spotted seatrout - Atlantic Coast   | ASMFC        | Unknown  | Unknown   | Unknown                              |
| Striped bass - Gulf of Maine / Cape Hatteras                              | ASMFC        | No   | No  | Unknown                              |
| Tautog - Northwestern Atlantic Coast                                      | ASMFC        | No   | Yes   | N/A                                  |
| Weakfish - Southern New England / Mid-Atlantic                            | ASMFC        | Unknown  | Yes   | Unknown                              |

1. This stock is considered "depleted" according to the latest stock assessment conducted by ASMFC because, although the stock is below the overfished threshold, it is believed that the cause is not due to overfishing.