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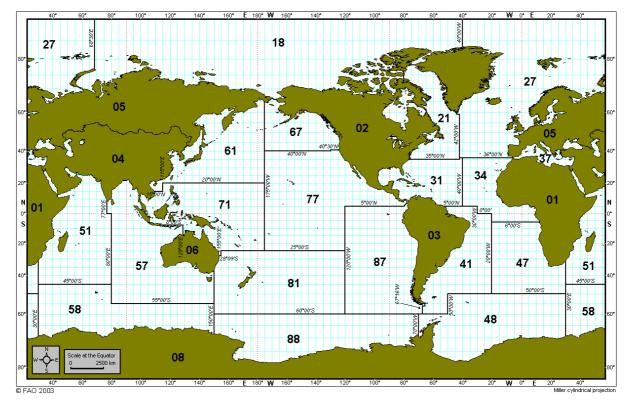
1. Definitions

| Underexploited | Undeveloped or new fishery. Believed to have a significant potential for expansion in total production; |
|----------------------|---|
| Moderately exploited | Exploited with a low level of fishing effort. Believed to have some limited potential for expansion in total production; |
| Fully exploited | The fishery is operating at or close to an optimal yield level, with no expected room for further expansion; |
| Overexploited | The fishery is being exploited at above a level which is believed to be sustainable in the long term, with no potential room for further expansion and a higher risk of stock depletion/collapse; |
| Depleted | Catches are well below historical levels, irrespective of the amount of fishing effort exerted; |
| Recovering | Catches are again increasing after having been depleted |

2. Snapshot of the global situation

Of the 600 marine fish stocks monitored by FAO:

3% are underexploited
20% are moderately exploited
52% are fully exploited
17% are overexploited
7% are depleted
1% are recovering from depletion



Map of world fishing statistical areas monitored by FAO

Source: FAO's report "Review of the State of World Marine Fisheries Resources", tables D1-D17, http://ftp.fao.org/docrep/fao/007/y5852e/Y5852E23.pdf

3. Fish stocks identified by FAO as falling into its "worst" category, "depleted":

D: depleted | F-D: ranging from fully exploited to deleted | O-D: ranging from over exploited to depleted | U-D: ranging from unexploited to depleted

Northwest Atlantic (Area 21*): Atlantic cod (D)

 $\mathsf{Haddock}\;(\mathsf{D})$

Northeast Atlantic (27): Atlantic Cod (O-D) Atlantic salmon (F-D) Haddock (O-D) Other cods, hakes, and haddocks (F-D) Salmons, trouts, smelts, etc. (F-D) Whiting (F-D)

Southwest Atlantic: (41) Argentine Hake (O-D)

Western Atlantic (31,41): Atlantic bluefin tuna

Indian Ocean (51,57,58): Southern Bluefin Tuna

Pacific Ocean (61,67,71,77,81,87): Southern Bluefin Tuna

Southeast Atlantic (47): Geelbek Croaker (D) Red steenbras (D) Mediterranean/Black Sea (37) Albacore (F-D) Atlantic Bluefin Tuna (D) Atlantic Bonito (F-D) Azov Sea Sprat (D) European Sprat (D) Sardinellas (U-D) Pontic Shad and other Shads (D) Whiting (F-D)

Northeast Pacific (67) North Pacific Hake (U-D) Other shrimp, prawns, etc. (F-D)

Southeast Pacific (87): Eastern Pacific Bonito (O-D) South Pacific Hake (F-D)

Southern Ocean (48, 58, 88):

Antarctic Rockcods (D) Blackfin Icefish (D) Patagonian Toothfish (F-D) Mackerel Icefish (D)

*See map previous page

Global list of fish stocks ranked as either "overexploited," "depleted," or "recovering," by FAO statistical region

(Stock assessments based on 2004 data, catch volumes based on 2002 data)

Northwest Atlantic (FAO area 21)

| Fish | Status | Main fishing countries | Tons caught |
|--------------------------|---------------------------------|------------------------|-------------|
| Atlantic cod | Depleted | Canada, USA, Greenland | 55,000 |
| Gadus morhua | | | |
| Haddock | Depleted | Canada, USA | 23,000 |
| Melanogrammus aeglefinus | | | |
| Atlantic Herring | Ranging from underexploited to | Canada, USA | 259,000 |
| Clupea harengus | recovering | | |
| American lobster | Ranging from fully exploited to | Canada, USA | 82,000 |
| Homarus americanus | overexploited | | |

Northeast Atlantic (FAO area 27)

| Fish | Status | Main fishing countries | Tons caught |
|--|---|--|-------------|
| Atlantic salmon Salmo salar | Ranging from fully exploited to depleted | Norway, Finland, Denmark, Sweden | 2,000 |
| Salmons, trouts, smelts, etc. | Ranging from fully exploited to depleted | - | 7,000 |
| European plaice Pleuronectes platessa | Overexploited | Netherlands, Denmark, UK, Belgium | 99,000 |
| Other flounders, halibuts and soles | Ranging from fully exploited to depleted | - | 176,000 |
| Atlantic cod Gadus morghua | Ranging from overexploited to depleted | Norway, Iceland, Russian Federation | 835,000 |
| Blue whiting Micromesistius poutassou | Overexploited | Norway, Iceland, Russian Federation, Faeroe Islands | 1,589,000 |
| Haddock Melanogrammus aeglefinus | Ranging from overexploited to depleted | Norway, UK, Iceland, Russian Federation | 244,000 |
| Pollock Pollachius virens | Ranging from fully exploited to overexploited | Norway, Faeroe Islands, Iceland, France | 370,000 |
| Whiting <i>Merlangius merlangus</i> | Ranging from fully exploited to depleted | France, UK, Ireland, Netherlands | 43,000 |
| Other code, hakes and haddock type fish | Ranging from fully exploited to depleted | - | 181,000 |

Western Central Atlantic (FAO area 31)

| Fish | Status | Main fishing countries | Tons/year |
|--|---|--|-----------|
| Grouper | Ranging from fully exploited to overexploited | Mexico, USA, Dominican Rep. | 20,000 |
| Scianids | Ranging from fully exploited to overexploited | Venezuela | 23,000 |
| Snapper | Ranging from fully exploited to overexploited | Venezuela, Dominican Rep., Mexico, USA | 39,000 |
| Albacore Thunnus alalunga | Ranging from overexploited to depleted | China, Taiwan | 10,000 |
| King Mackerel Scomberomourus maculatus | Ranging from fully exploited to (possibly) overexploited | Mexico, Venezuela, USA, Trinidad and Tobago | 12,000 |
| Skipjack tuna Katsuwonus pelamis | Overexploited | Venezuela, Cuba, St. Vincent | 4,000 |
| Yellowfin Tuna Thunnus albacares | Ranging from fully exploited to depleted | Venezuela, USA< Cuba, St. Vincent | 18,000 |
| Caribbean Spiny Lobster <i>Panulirus argus</i> | Ranging from fully exploited to overexploited | Cuba, Bahamas, Nicaragua, Dom. Rep. | 29,000 |
| Redspotted shrimp Penaeus brasiliensis | Incomplete data, probably ranging from overexploited to depleted | - | - |
| Stromboid conchs Strombus spp | Deplete | Mexico, Turk Caicos, Dom. Rep, Belize | 20,000 |

Eastern Central Atlantic (FAO area 34)

| Fish | Status | Main fishing countries | Tons/year |
|---|---------------|--|-----------|
| Common sole Solea solea | Overexploited | Morocco, Italy | 4,000 |
| Various other flatfish Pleuronectiformes | Overexploited | Spain, Senegal, Morocco, Mauritania | 25,000 |
| Other flounders, halibut and sole like fish | Overexploited | Nigeria, Korea, Cameroon, Sierra Leone | 3,000 |
| Senegalese hake Merluccius senegalensis | Overexploited | Spain | 8,000 |
| Other cods, hakes and haddocks | Overexploited | - | 5,000 |
| Bigeye Tuna <i>Thunnus obesus</i> | Overexploited | Spain, China, Taiwan, Japan | 44,000 |
| Common Octopus Octopus vulgaris | Overexploited | Spain, Italy | 9,000 |
| Various other octopus Octopodidae | Overexploited | Morocco, Senegal, Mauritania | 63,000 |

Mediterranean and Black Sea (FAO area 37)

| Fish | Status | Main fishing countries | Tons/year |
|---|--|--|-----------|
| Azov Sea Sprat Clupeonella cultriventris | Depleted | Russian Federation, Ukraine | 27,000 |
| Pontic Shad Alosa pontica | Depleted | Bulgaria | 0 |
| Other Shads | Depleted | Nigeria, Korea, Cameroon, Sierra Leone | 3,000 |
| European Hake Merluccius merluccius | Overexploited | Italy, Spain, Greece, France | 21,000 |
| Whiting <i>Merlangius merlangus</i> | Ranging from fully exploited to depleted | Turkey, Russian Federation | 10,000 |
| Red Mullet Mullus barbatus | Ranging from moderately exploited to depleted | Turkey, Tunisia, Spain | 5,000 |
| European Anchovy Engraulis encrasicolus | Ranging from fully exploited to overexploited | Turkey, Italy | 483,000 |
| European Sprat Sprattus sprattus | Depleted | Ukraine, Bulgaria, Russian Federation | 70,000 |
| Sardinellas Sardinella spp | Ranging from underexploited to depleted | Algeria, Tunisia, Egypt, Spain | 67,000 |
| Albacore Thunnus alalunga | Fully exploited to depleted | Italy, Greece | 6,000 |
| Atlantic Bluefin Tuna Thunnus thynnus | Depleted | France, Italy, Tunisia, Turkey | 22,000 |
| Swordfish Xiphias gladius | Overexploited | Italy, Morocco, Spain, Tunisia | 12,000 |
| Atlantic Bonito Sarda sarda | Ranging from fully exploited to depleted | Turkey, Greece, Egypt, Tunisia | 12,000 |
| Striped venus Chamelea gallina | Ranging from fully exploited to overexploited | Italy, Turkey | 36,000 |

Source: FAO's report "Review of the State of World Marine Fisheries Resources", tables D1-D17, http://ftp.fao.org/docrep/fao/007/y5852e/Y5852E23.pdf

Southwest Atlantic (FAO area 41)

| Fish | Status | Main fishing countries | Tons/year |
|---|---------------------------------------|----------------------------|-----------|
| Argentine Hake Merluccius hubbsi | Overexploited to depleted | Argentina, Uruguay | 409,000 |
| Southern Blue Whiting Micromesistius australis | Fully exploited to over exploited | Argentina, Japan, Chile | 64,000 |
| Argentina Croaker <i>Umbrina canosai</i> | Moderately exploited to overexploited | Brazil, Uruguay, Argentina | 18,000 |
| Whitemouth Croaker Micropogonias furnieri | Moderately exploited to overexploited | Brazil, Uruguay, Argentina | 8,000 |
| Striped Weakfish Cynoscion striatus | Moderately exploited to overexploited | Argentina, Uruguay | 20,000 |
| Brazilian Sardinella Sardinella brasiliensis | Overexploited | Brazil | 28,000 |
| Other shrimps | Fully exploited to over exploited | Argentina | 42,000 |

Southeast Atlantic (FAO area 47)

| Fish | Status | Main fishing countries | Tons/year |
|---|--|------------------------|-----------|
| Cape hakes Merluccius capensis M. paradox | Fully exploited to overexploited | Namibia, South Africa | 306,000 |
| Geelbeck Croaker Atractoscion aequidens | Depleted | South Africa | 0 |
| Red Steenbras Petrus rupestris | Depleted | South Africa | 0 |
| Kingklip Genypterus capensis | Overexploited | Namibia, South Africa | 13,000 |
| Bigeye Tuna Thunnus obesus | Overexploited | China, Taiwan, Japan | 19,000 |
| Southern Bluefin Tuna Thunnus maccoyii | Overexploited | Japan, China, Taiwan | 42,000 |
| Cunene Horse Mackerel Trachurus trecae | Overexploited | Angola | 45,000 |
| Cape Rock Lobster Jasus Ialandii | Overexploited or recovering from depletion | South Africa, Namibia | 3,000 |
| Southern Spiny Lobster Palinurus gilchristi | Overexploited | South Africa | 1,000 |
| Perlemoen Abalone Haliotis midae | Overexploited | South Africa | 1,000 |
| Cape Hope Squid <i>Loligo reynaudi</i> | Fully exploited to over exploited | South Africa | 7,000 |

Western Indian Ocean (FAO area 51)

| Fish | Status | Main fishing countries | Tons/year |
|-------------------------|-----------------------------------|-----------------------------------|-----------|
| Emperors | Fully exploited to over exploited | UAE, Saudi Arabia, Tanzania | 65,000 |
| Lethrinidae | | | |
| Narrow-barred Spanish | Fully exploited to over exploited | India, Madagascar, Iran, Pakistan | 79,000 |
| Mackerel | | | |
| Scomberomours commerson | | | |
| Various Nantian | Fully exploited to over exploited | India, Madagascar | 128,000 |
| Decapods | · · · | - | |
| Nantantia | | | |

Eastern Indian Ocean (FAO area 57)

| Fish | Status | Main fishing countries | Tons/year |
|--|---|---|-----------|
| Croakers and drums Sciaenidae | Ranging from fully exploited to overexploited | India, Thailand, Indonesia, Malaysia | 83,000 |
| Ponyfish <i>Leiognathidae</i> | Ranging from fully exploited to overexploited | India, Indonesia | 63,000 |
| Stolephorus anchovies <i>Stolephorus spp</i> | Ranging from fully exploited to overexploited | Indonesia, Malaysia | 89,000 |
| Indian Mackerels Rastrelliger spp | Ranging from fully exploited to overexploited | Indonesia, Malaysia, Thailand | 173,000 |
| Scads Decapterus sso | Ranging from fully exploited to overexploited | Indonesia | 44,000 |
| Banana Prawn Penaeus merguiensis | Ranging from fully exploited to overexploited | Indonesia, Thailand | 15,000 |
| Giant Tiger Prawn Penaeus monodon | Ranging from fully exploited to overexploited | India, Indonesia | 56,000 |

Source: FAO's report "Review of the State of World Marine Fisheries Resources", tables D1-D17, http://ftp.fao.org/docrep/fao/007/y5852e/Y5852E23.pdf

Northwest Pacific (FAO area 61)

| Fish | Status | Main fishing countries | Tons/year |
|---------------------|---------------------------------|------------------------|-----------|
| Largehead Hairtail | Ranging from fully exploited to | China | 1,371,000 |
| Trichiurus lepturus | overexploited | | |

Northeast Pacific (FAO area 67)

| Fish | Status | Main fishing countries | Tons/year |
|--|---|---------------------------|-----------|
| Chinook Salmon Oncorhynchus tshawytscha | Ranging from fully exploited to overexploited | USA, Canada | 10,000 |
| Coho Salmon Oncorhynchus kisutch | Ranging from fully exploited to overexploited | USA | 18,000 |
| North Pacific Hake Merluccius productus | Ranging from underexploited to depleted | USA | 130,000 |
| Pacific Herring <i>Clupea pallasii</i> | Ranging from moderately exploited to overexploited | USA, Canada | 62,000 |
| Other Shrimps | Ranging from fully exploited to depleted | - | 4,000 |

Western Central Pacific (FAO area 71)

| Fish | Status | Main fishing countries | Tons/year |
|-------------------|--------------------------------------|--------------------------------|-----------|
| Lizardfishes | Ranging from moderately exploited to | Thailand, Indonesia, Malaysia, | 83,000 |
| Synodontidae | overexploited | Philippines | |
| Ponyfishes | Ranging from moderately exploited to | Indonesia, Philippines | 141,000 |
| Leiognathidae | overexploited | | |
| Giant Tiger Prawn | Ranging from fully exploited to | Indonesia, Australia | 46,000 |
| Penaeus monodon | overexploited | | |

Eastern Central Pacific (FAO area 77)

| Fish | Status | Main fishing countries | Tons/year |
|---------------------------------|---|------------------------|-----------|
| Miscellaneous coastal fishes | Ranging from moderately exploited to overexploited | | 64,000 |
| Shrimps and prawns | Ranging from fully exploited to overexploited | - | 51,000 |
| | | | |

Southwest Pacific (FAO area 81)

| Fish | Status | Main fishing countries | Tons/year |
|--|---|------------------------|-----------|
| Orange Roughy Hoplostethus atlanticus | Ranging from fully exploited to overexploited | New Zealand | 19,000 |
| Oreo Dories Oreosomatidae | Ranging from fully exploited to overexploited | New Zealand | 18,000 |
| Silver Gemfish <i>Rexea solandri</i> | Ranging from fully exploited to overexploited | New Zealand, Australia | 1,000 |

Southeast Pacific (FAO area 87)

| Fish | Status | Main fishing countries | Tons/year |
|---|--|------------------------|-----------|
| Patagonia Grenadier Macrunronyus magellanicius | Ranging from fully exploited to overexploited | Chile | 132,000 |
| South Pacific Hake Merluccius gayi | Ranging from fully exploited to depleted | Chile, Peru | 162,000 |
| Southern Hake Merluccius australis | Ranging from fully exploited to overexploited | Chile | 32,000 |
| Miscellaneous demersal fishes | | | 36,000 |
| Anchoveta Engarulis ringens | Ranging from overexploited to depleted | Peru, Chile | 9,703,000 |
| Araucanian herring Strangomera bentincki | Ranging from fully exploited to overexploited | Chile | 347,000 |
| South American Pilchard Sardinops sagax | Ranging from fully exploited to overexploited | Chile, Peru, Ecuador | 28,000 |
| Eastern Pacific Bonito Sarda chiliensis | Ranging from overexploited to depleted | Peru | 1,000 |
| Chilean Jack Mackerel Trachurus murphyi | Ranging from fully exploited to overexploited | Chile, Peru | 1,750,000 |

Source: FAO's report "Review of the State of World Marine Fisheries Resources", tables D1-D17, http://ftp.fao.org/docrep/fao/007/y5852e/Y5852E23.pdf

The Southern Ocean (FAO areas 48, 58 and 88)

| Fish | Status | Main fishing countries | Tons/year |
|--|--|---|-----------|
| <u>Area 48:</u> | | | |
| Antarctic Rockcods Nototheniidae | Depleted | United Kingdom | 0 |
| Blackfin Icefish Chaenocephalus aceraturus | Depleted | United Kingdom, Republic of Korea | 0 |
| Mackerel Icefish Champsocephalus gunnari | Depleted | Russian Federation, Republic of Korea, United Kingdom, Poland | 0 |
| Patagonia Toothfish <i>Dissostichus eleginoides</i> | Ranging from fully exploited to depleted | United Kingdom, Chile, Spain, Uruguay | 6,000 |
| <u>Area 58:</u> | | | |
| Mackerel Icefish Champsocephalus gunnari | Depleted | Australia | 1,000 |

Tuna and tuna-like species, all oceans

| Fish | Status | Main fishing countries | Tons/year |
|---|---|---------------------------------------|-----------|
| Atlantic Ocean (areas 21,27, | 31,34,37,41,47 and 48): | | |
| Albacore Thunnus alalungae | North: Overexploited South: Overexploited Med. Sea: ? | Taiwan, China, Spain, South Africa | 61,000 |
| Atlantic Bluefin Tuna Thunnus thynnus | West: Depleted East: Overexploited | France, Italy, Spain, Morocco | 35,000 |
| Bigeye Tuna Thunnus obesusi | Overexploited | Spain, Taiwan, Japan | 79,000 |
| Southern Bluefin Tuna Thunnus maccoyii | Depleted | Japan, Taiwan, South Africa | 1,000 |
| Indian Ocean (areas 51, 57 a | and 58):: | | |
| Bigeye Tuna Thunnus obesusi | Ranging from fully exploited to overexploited | Taiwan, Indonesia, Spain | 130,000 |
| Southern Bluefin Tuna Thunnus maccoyii | Depleted | Australia, Japan, Indonesia | 12,000 |
| Pacific Ocean (61, 67, 71, 77 | 7, 81 and 87) | | |
| Pacific Bluefin Tuna Thunnus thynnus | Overexploited | Japan, Taiwan, Mexico | 9,000 |
| Southern Bluefin Tuna Thunnus maccoyii | Depleted | Japan, New Zealand, Australia | 2,000 |