

MANAGED SPECIES (continued)

Wrasse: Tangison, Maam (*Cheilinus cholorourus*); Lalacha mamate, Porou (*C. trilobatus*); 2 other *Cheilinus* spp.; 2 *Oxychelinus* spp.; 2 *Xyrichtys* spp.; 2 *Hemigymnus* spp.; 4 *Halichoeres* spp.; 3 *Thalassoma* spp.; *Cheilio inermis*; *Hologynmosus doliatus*; *Novaculichthys taeniourus*

CORAL REEF ECOSYSTEM Potentially Harvested Taxa

All other marine plants, invertebrates and fish that spend the majority of their non-pelagic (post settlement) life within waters less than or equal to 50 fathoms in depth that are not listed as currently harvested coral reef taxa or bottomfish management unit species.

CRUSTACEANS

Deepwater shrimp: *Heterocarpus ensifer*, *H. laevigatus*, *H. longirostris*

Slipper lobster: (Family *Scyllaridae*)

Kona crab: (*Ranina ranina*)

Spiny lobster: Mahongang (*Panulirus marginatus* and *P. penicillatus*)

PRECIOUS CORAL

Bamboo coral: (*Lepidisis olapa*, *Acanella* spp.)

Black coral: (*Antipathes dichotoma*, *A. grandis*, *A. ulex*)

Gold coral: (*Gerardia* spp., *Narella* spp., *Calyptrophora* spp.)

Pink coral: (*Corallium secundum*, *C. regale*, *C. laauense*)

Federal Regulations

Noncommercial fishing that is not permitted and all commercial fishing are prohibited within the Islands Unit of the Marianas Trench Marine National Monument.

BOTTOMFISH

- **All vessels:** (a) ban on use of bottom trawls and bottom set gillnets; (b) ban on possession or use of any poisons, explosives or intoxicating substances to harvest bottomfish or seamount groundfish; and (c) Annual quota (for updates, go to www.wpcouncil.org/managed-fishery-ecosystems/annual-catch-limits/)

- **Vessels >50 feet in length landing in Guam:** (a) federal permit and logbook; (b) on-board observer when directed by the National Marine Fisheries Service; and (c) ban on anchoring on Guam's Southern Banks except for a documented emergency or vessel malfunction
- **Vessels landing in CNMI:** federal permit and logbook

CORAL REEF ECOSYSTEMS

- Allowable gear types include hand-harvest, spear, slurp gun, hand/dip net, hoop net for Kona crab, throw net, barrier net, surround/purse net that is attended at all times, hook-and-line, crab and fish traps with vessel ID number affixed or remote operating vehicle/submersible. Special permit, reporting and pre-landing notification requirements apply for the use of other gear types to harvest coral reef ecosystem taxa
- Annual quotas. For updates, go to www.wpcouncil.org/managed-fishery-ecosystems/annual-catch-limits/
- Ban on anchoring on Guam's Southern Banks except for a documented emergency or vessel malfunction by any vessel >50 feet in length
- Ban on possession and use of poisons, explosives or intoxicating substances to take coral reef ecosystem managed species
- Ban on harvest of live rock and living corals except for indigenous people for traditional uses and aquaculture operations for seed stock under special permit, reporting and pre-landing notification requirements
- Special permit, reporting and pre-landing notification for any directed fishery on potentially harvested coral reef taxa

CRUSTACEANS

- Annual quotas. For updates, go to www.wpcouncil.org/managed-fishery-ecosystems/annual-catch-limits/
- Ban on fishing for, taking or retaining lobster with explosives, poisons or electrical shocking devices
- Federal permit and logbook

- Notification before port landing and before offloading
- Observer coverage when requested by National Marine Fisheries Service

PRECIOUS CORALS

- One permit for Guam and one for CNMI (same person cannot hold both)
- Use of only selective gear that can discriminate or differentiate between type, size, quality or characteristics of living or dead corals
- Minimum height 10 inches for live pink coral
- Minimum stem diameter 1 inch or minimum height 48 inches for live black coral
- Annual catch limits. For updates, go to www.wpcouncil.org/managed-fishery-ecosystems/annual-catch-limits/
- Moratorium on gold coral

Non-fishing Impacts

Communities are encouraged to participate in the decision-making process for the Hawai'i Archipelago FEP. Your participation ensures that fisheries development and planning is consistent with your community's long-range goals.

Get Involved!

Communities are encouraged to participate in the decision-making process for the Mariana Archipelago FEP. Your participation ensures that fisheries development and planning is consistent with your community's long-range goals.

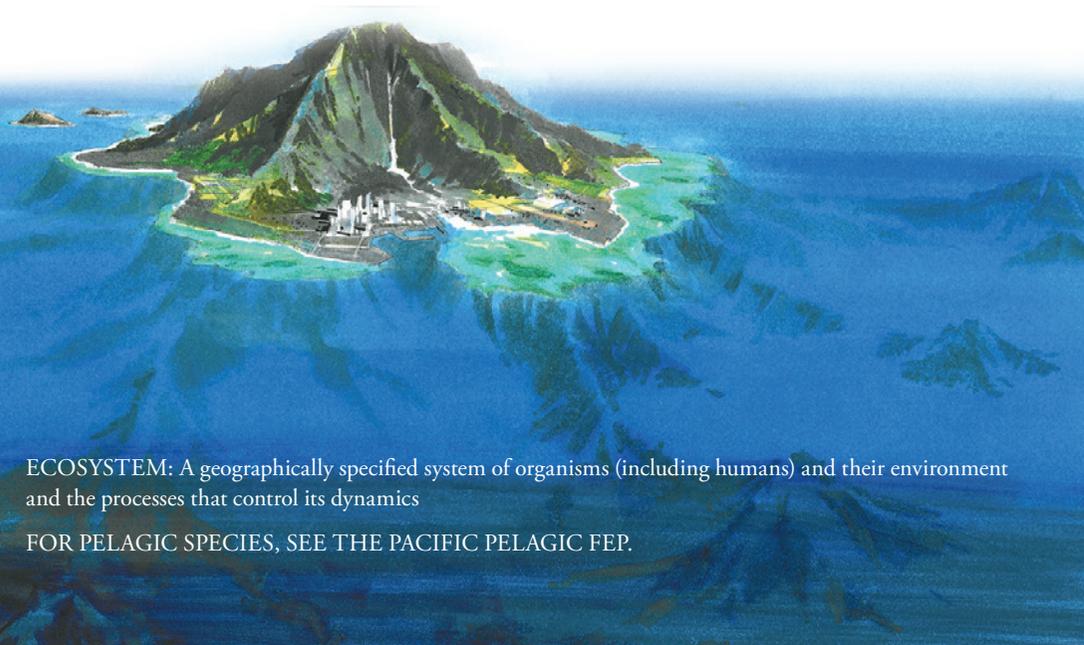
To learn how you can become involved, visit the Council website at www.wpcouncil.org or contact the Council staff at (808) 522-8220 or by email at info.wpcouncil@noaa.gov. Stay connected through [facebook.com/wprfmc](https://www.facebook.com/wprfmc) and on Twitter [@wpcouncil](https://twitter.com/wpcouncil).

Mariana Archipelago Fishery Ecosystem Plan

- Identifies management goals and objectives,
- Delineates geographical boundaries,
- Fosters coordination and community participation through various advisory bodies and an appropriate management structure,
- Designates managed species, and
- Details applicable fishery regulations

Photo: Man with talaya (Chamorro cast net).

THE MARIANA ARCHIPELAGO CONSERVES AND MANAGES NON-PELAGIC MARINE RESOURCES AND FISHERIES IN THE OFFSHORE WATERS OF GUAM AND THE COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS. THIS APPROACH IS PLACE-BASED AND ADAPTIVE, ACCOUNTS FOR ECOSYSTEM KNOWLEDGE AND UNCERTAINTIES, CONSIDERS CHANGES IN THE ECOSYSTEM AND MULTIPLE EXTERNAL INFLUENCES, AND STRIVES TO BALANCE DIVERSE SOCIAL OBJECTIVES.



ECOSYSTEM: A geographically specified system of organisms (including humans) and their environment and the processes that control its dynamics

FOR PELAGIC SPECIES, SEE THE PACIFIC PELAGIC FEP.



Western Pacific Regional Fishery Management Council
1164 Bishop St., Suite 1400 • Honolulu, HI 96813

www.wpcouncil.org

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Ecosystem-Based Management of Fisheries in the US Pacific Islands



Management Goals*

1. Conserve and manage target and non-target stocks
2. Protect species and habitats of special concern
3. Understand and account for important ecosystem parameters and their linkages
4. Meet the needs of fishermen, their families, and communities

Management Objectives*

1. Support fishing communities
2. Prevent overfishing while achieving on a continual basis the optimum yield from each fishery
3. Improve fishery monitoring and data collection
4. Promote compliance
5. Reduce bycatch and minimize interactions and impacts to protected species to the extent practicable
6. Refine designations of and minimize impacts to essential fish habitat (EFH)
7. Increase traditional and local knowledge in decision-making
8. Consider the implications of spatial management arrangements in Council decision-making
9. Consider the implications of climate change in Council decision-making

* Adopted by the Western Pacific Regional Fishery Management Council in March 2016.

Geographical Boundaries

The Mariana Archipelago FEP includes all waters and associated marine resources within the federal waters (also known as the US exclusive economic zone or EEZ, i.e., from 3 to 200 miles from shore) around Guam and the CNMI.

Community Participation and Management Structure

Successful ecosystem management requires consideration of the impacts to the environment, including the social and cultural components. To gather this ecosystem knowledge, the FEP process uses a bottom-up approach, which begins with recommendations made during

public meetings and through several advisory bodies. The FEP management structure also fosters increased collaboration with state, federal and international governments and non-government organizations.

GUAM AND CNMI FEP ADVISORY PANELS (APs)

The Guam and CNMI APs assist in the collection and evaluation of information relevant to the development and amendment of fishery management plans. Each AP has 12 members who represent commercial and non-commercial fisheries and related interests. Representatives from each AP serve on the Island Fisheries, Pelagic Fisheries, Ecosystems and Habitat, and Indigenous Fishing Communities Sub-panels. AP members serve a four-year term.

FISHING INDUSTRY ADVISORY COMMITTEE (FIAC)

The FIAC provides information and recommendations on and assists in the development and amendments of the Council's FEPs.

REGIONAL ECOSYSTEM ADVISORY COMMITTEE (REAC)

The Mariana Archipelago REAC includes representatives from federal, Territorial and Commonwealth government agencies and nongovernmental organizations and businesses with responsibility or interest in land-based and non-fishing activities that potentially affect the marine environment.

ARCHIPELAGIC FEP PLAN TEAM

The Archipelagic FEP Plan Team oversees the development and monitoring of the Mariana FEP and those of other archipelagic areas in the Western Pacific Region. The Plan Team drafts the annual Stock Assessment and Fisheries Evaluation (SAFE) report for each FEP. The SAFE reports include an ecosystem chapter, which covers such issues as protected species, climate change, marine planning and socioeconomics related to the local fisheries. The Plan Team includes federal and local government and non-government specialists appointed by the Council. They serve indefinite terms.

SCIENCE AND STATISTICAL COMMITTEE (SSC)

The SSC is composed of scientists from local and federal agencies, academic institutions and other organizations. They represent a

range of disciplines required for the scientific oversight of fishery management in the Western Pacific Region.

OTHER ADVISORY BODIES

The Council convenes and solicits recommendations from a variety of other committees as needed. The Marine Planning and Climate Change Committee, Protected Species Advisory Committee and Social Science Planning Committee review relevant ecosystem sections of the annual SAFE reports for each FEP. Other advisory bodies include the Education Committee, the Fishery Data Collection and Research Committee and the Non-Commercial Fisheries Advisory Committee.

INDIGENOUS AND COMMUNITY PROGRAMS

The Council's Community Development Program, Community

Demonstration Projects Program and Marine Education and Training Program are designed to foster increased fishery participation by indigenous communities in the US Pacific Islands.

The Council has supported community-based management projects in Malessa (Merizo) and Yigo, Guam, and the Northern Islands of CNMI.

INTERNATIONAL MANAGEMENT AND RESEARCH

The Council actively participates in the development and implementation of international agreements and research regarding marine resources. The Council is a US commissioner for the North Pacific Fisheries Commission, which is focused on seamount fisheries beyond national jurisdiction.

Managed Species

BOTTOMFISH

Amberjack: Tarakiton tadong, Meseyugh (*Seriola dumerilii*)

Groupers: Gadao, Meteil (*Epinephelus fasciatus*); Bueli, Bwele (*Variola louti*)

Redgill emperor: Mafuti, Atigh (*Lethrinus rubrioperculatus*)

Snapper: Lehi, marrobw (*Aphareus rutilans*); Gogunafon, Aiwe (*Aprion virescens*); Buninas agaga, Falaghal moroobw (*Etelis carbunculus*); Buninas, Taighulupegh (*E. coruscans*); Funai, Saas (*Lutjanus kasmira*); Buninas, Falaghal-marroobw (*Pristipomoides auricilla*, *P. filamentosus*, *P. flavipinnis*); Buninas rayao amiriyu, Falaghal-marroobw (*P. zonatus*); Pink snapper (*P. seiboldii*)

Trevally, Jack: Tarakitu, Etam (*Caranx ignobilis*); Tarakiton attelong, Orong (*C. lugubris*)

CORAL REEF ECOSYSTEM

Currently Harvested Taxa

Barracuda: 2 *Sphyræna* spp.

Bigeye: *Heteropriacanthus cruentatus*, *Priacanthus hamrur*

Dogtooth tuna: White tuna, Ayul (*Gymnosarda unicolor*)

Eel and Octopus: 3 *Gymnothorax* spp. and 2 *Octopus* spp.

Flagtail: *Kuhlia mugil*

Goatfish: Satmoneti, Wichigh (*Mulloidichthys vanicolensis*, *M. flavolineatus*); Satmonetiyo, Failighi (*Parupeneus barberinus*); Satmoneti acho, Sungoongo (*P. bifasciatus*); other *Mulloidichthys* spp.; other *Parupeneus* spp.; *Upeneus arge*

Green snail: *Turbo* spp.

Mullet: *Mugil cephalus*; *Moolgarda engeli*; *Neomyxus leuciscus*; *Crenimugil crenilabris*

Parrotfish: Atuhong, Roow (*Bolbometopon muricatum*); Palakse, Laggua (*Scarus* spp.); Gualafi, Oscha (*Hipposcarus longiceps*); *Calotomus carolinus*

Rabbitfish: Manahok, llegh (*Siganus argenteus*); Sesyon, Palawa (*Siganus spinus*); 4 other *Siganus* spp.

Rudderfish: Guili, Schpwul (*Kyphosus cinerascens*); Guilen puengi, Reel (*K. vaigienses*); *K. biggibus*

Scad: Atulai, Peti (*Selar crumenophthalmus*); *Decapterus macarellus*

Shark: 4 *Carcharhinus* spp.; *Triaenodon obesus*

Squirrelfish: Saksak, Mweel (*Myripristis berndti*); 8 other *Myripristis* spp.; 9 *Sargocentron* spp.; *Neoniphon* spp.

Surgeonfish: Hugupao dangulo, Mowagh (*Acanthurus xanthopterus*); Kichu, Limell (*A. triostegus*); Hiyok, Filaang (*A. lineatus*); 11 other *Acanthurus* spp.; Tataga, Igh-falafal (*Naso unicornus*); Hangan, Bwulaalay (*Naso lituratus*); 8 other *Naso* spp.; 2 *Ctenochaetus* spp.; *Zebbrasoma flavescens*

Threadfin: *Polydactylus sexfilis*

Triggerfish: *Balistoides viridescens*, *B. conspicillum*, *Balistapus undulatus*, *Melichthys vidua*, *M. niger*, *Pseudobalistes fuscus*, *Rhinecanthus aculeatus*, *Sufflamen fraenatum*

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The Western Pacific Regional Fishery Management Council is one of eight councils authorized by the Magnuson Fishery Conservation and Management Act of 1976. It is the federal agency responsible for managing the offshore fisheries of Hawaii and other US Pacific islands. www.wpcouncil.org

