

Hawaii's Marine Protected Areas: Challenges and Opportunities



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James Watt photo



Marine Life Conservation Districts (MLCDs)

- ★ 1 Pupukea
- ★ 2 Waikiki
- ★ 3 Hanauma Bay
- ★ 4 Honouliuli-Mokuleia Bay
- ★ 5 Manele-Hulopoe
- ★ 6 Molokini Shoal
- ★ 7 Lapakahi
- ★ 8 Waialea Bay
- ★ 9 Old Kona Airport
- ★ 10 Kealahou Bay
- ★ 11 Waiopae

Fishery Management Areas (FMAs)

- 1 Waimea Bay
- 2 Port Allen
- 3 Nawiliwili Harbor
- 4 Hanamaulu Bay
- 5 Waialua Bay (Haleiwa Harbor)
- 6 Pokai Bay
- 7 Honolulu Harbor
- ★ 8 Waikiki-Diamond Head Shoreline
- 9 Heeia Kea Wharf
- 10 Kaunakakai Harbor
- 11 Manele Harbor
- 12 Kahului Harbor
- 13 Kawaihae Harbor
- 14 Puako Bay and Puako Reef
- 15 Kiholo Bay
- 16 Kona Coast
- 17 Kailua Bay
- 18 Keahou Bay
- 19 Hilo Harbor

FMA - Fisheries Replenishment Areas

- 1 North Kohala
- 2 Puako-Anaehoomalu
- 3 Kaupulehu
- 4 Kaloko-Honokohau
- 5 Kailua-Keauhou
- 6 Red Hill
- 7 Napoopoo-Honaunau
- 8 Hookena
- 9 Milolii

Wildlife Sanctuaries

- ★ 1 Coconut Island - Hawaii Marine Laboratory Refuge
- ★ 2 Paiko Lagoon Wildlife Sanctuary

Natural Area Reserves

- ★ 1 Kahoolawe Island Reserve
- ★ 2 Ahihi-Kinohiwi Natural Area Reserve

- ▨ Hawaiian Islands Humpback Whale National Marine Sanctuary

- Bottomfish Restricted Fishing Areas

- South Kona opelu fishing area

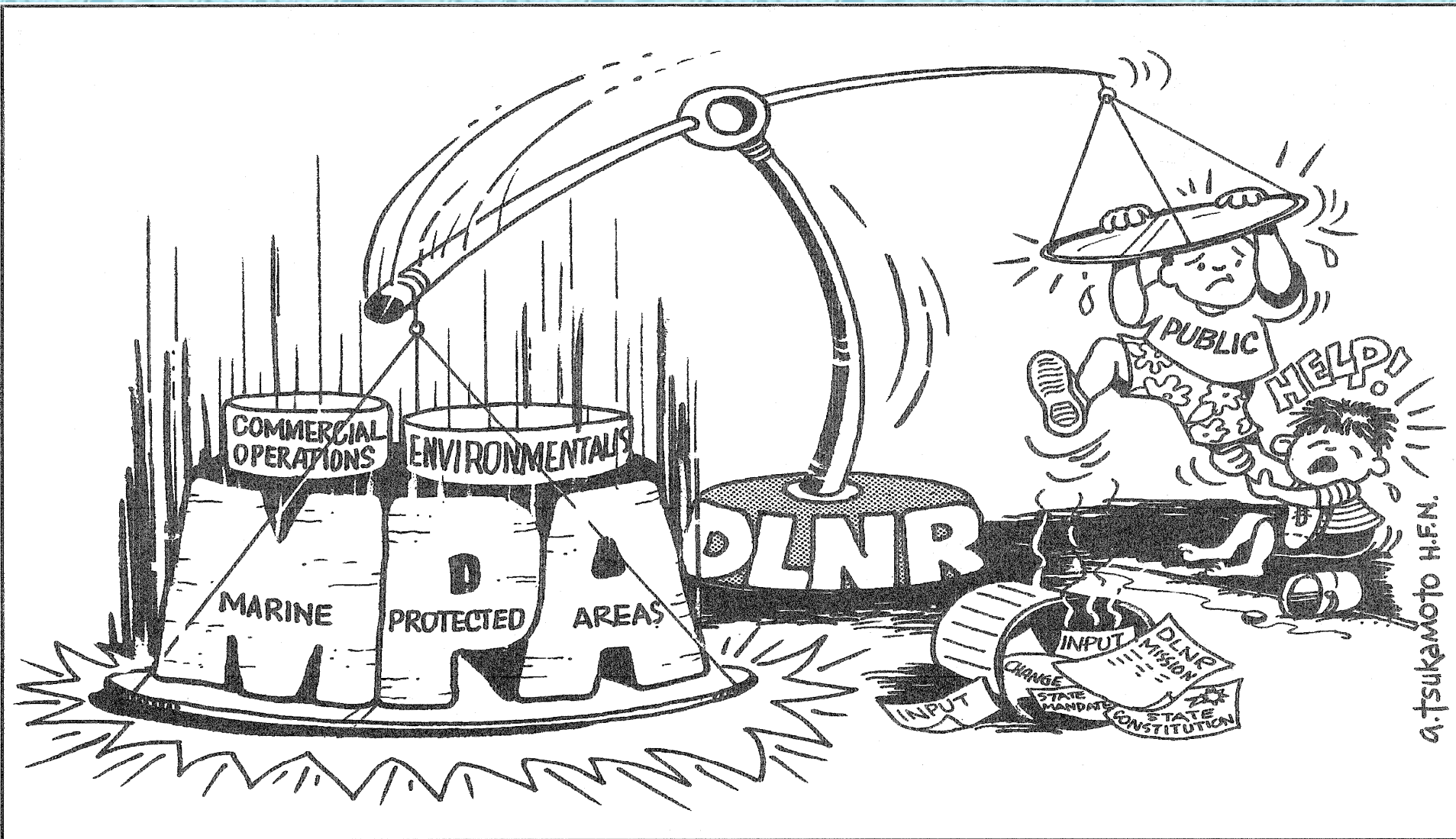
★ Only these areas include "no take" (no fishing) zones or years. All others allow fishing, with certain restrictions.



Map courtesy of NOAA's National Marine Sanctuary Program, Pacific Islands Region.
Data provided by the Hawaii Department of Land and Natural Resources.



HAWAII FISHING NEWS

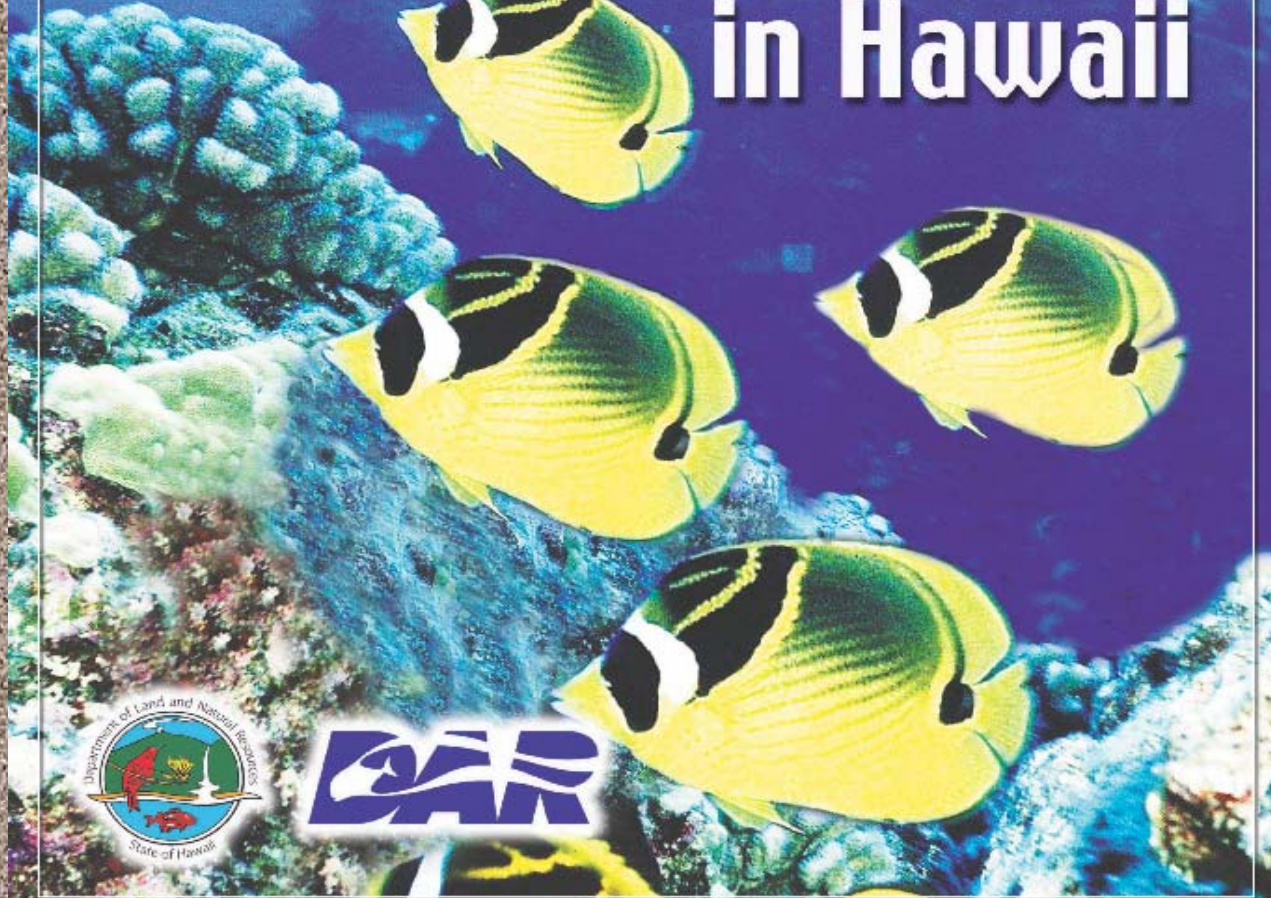


Community Outreach



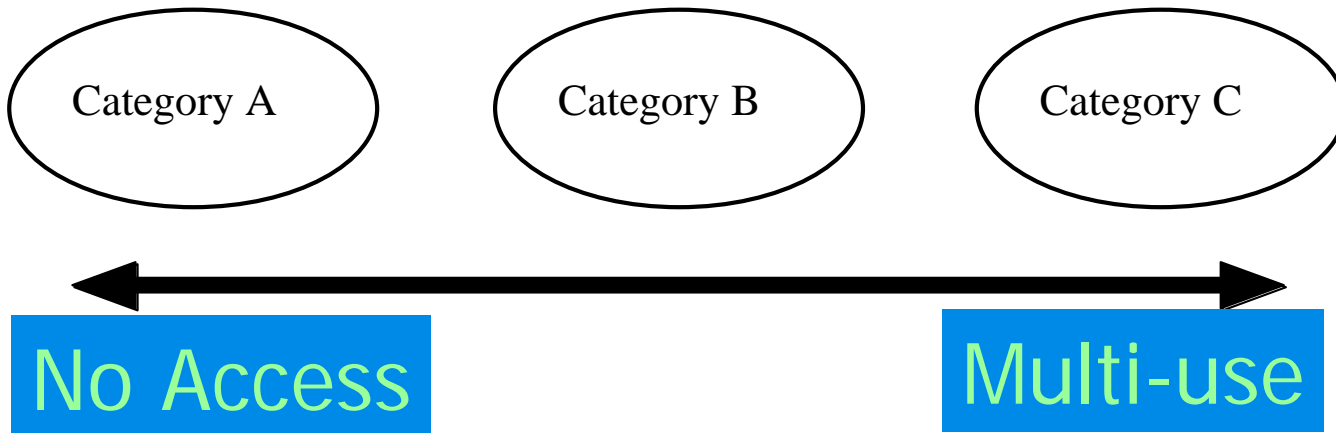
- 13 Statewide public meetings with Legislature
- 12 MMA framework focus group meetings
- New community-based management initiatives and training
- Brochures and other publications

Marine Protected Areas in Hawaii



What Might An Updated Area System Look Like?

Range of Different Area Categories



A Conceptual Framework of Marine Managed Areas for Hawaii

Marine Reserve	Preservation	Biological reference sites
Marine Refuge	Conservation	Manage access
Marine Park	Recreation	No extraction
Marine Life Conservation District	Multiple use	Minimize human impacts
Fishery Management	Resource Allocation	User conflicts
Public Fishing	Fishing	Sustainable fishing

Fish for the Future



How Will We Know If We Are Successful?

Improved habitat

Healthy fish

More fish

Cleaner water

Healthy coral

More natural ecosystem

