

Introduction to 30x30

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Governor Ige's SUSTAINABLE HAWAI'I INITIATIVE



Strengthening our waters, land and food for Hawaii's communities

double
local food
production



100% increase in local
agricultural production
by 2020

Hawai'i
interagency
biosecurity plan



Stronger invasive species
policy, infrastructure and
capacity by 2027

30 x 30
watershed
protection



30% of priority
watersheds protected by
2030

30 x 30
marine
management



30% of nearshore marine
areas effectively managed
by 2030

100%
renewable
energy



Complete transfer to
clean, renewable energy
by 2045



Aloha+ CHALLENGE

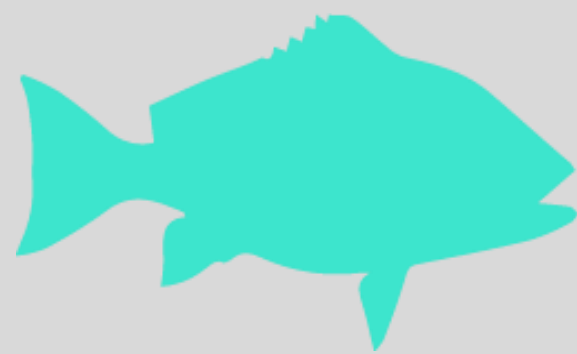


30x30





30x30 Marine Management



30% of nearshore marine areas effectively managed by 2030

Photo: John Burns

Hawai'i is dependent on
a healthy nearshore
marine ecosystem



Coral reefs experienced back-to-back, statewide mass-bleaching events in 2014 and 2015

Kramer et al. 2016



Photo: Darla White

Declines in resource fish populations raise sustainability concerns

Friedlander et al. 2017, Nadon et al. 2017



Within the Kahekili Herbivore Fisheries Management Area, parrotfish and surgeonfish biomass increased by 139% and 28% Williams et al. 2016

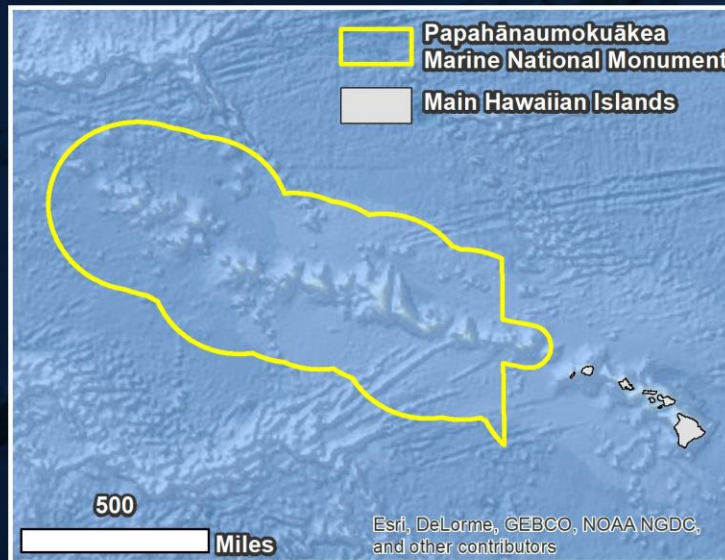


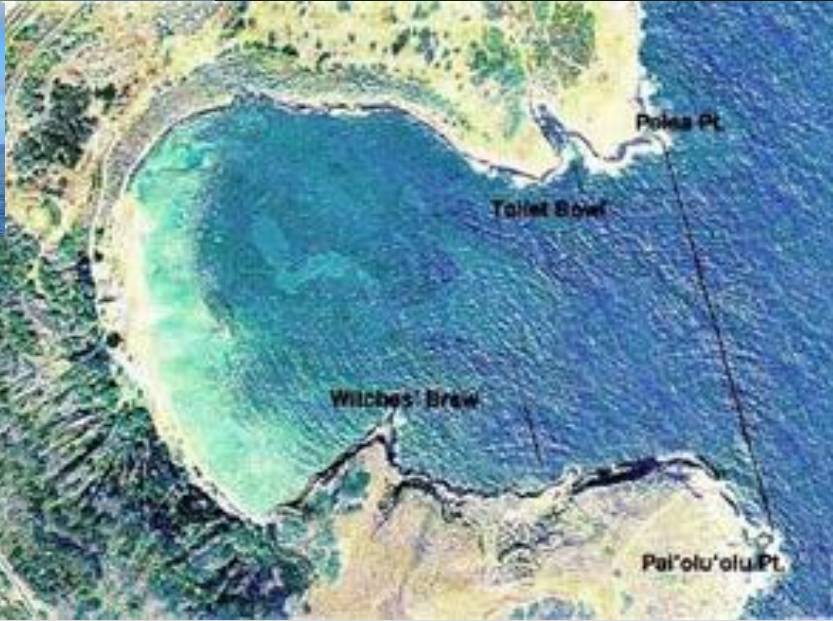
Hawaii Marine Managed Areas



Legend

- Marine Life Conservation District
- Marine Reserve
- Fisheries Management Area
- Opelu Management Area
- Lay Net Fishing Prohibited Area
- Fish Replenishment Area
- Netting Restricted Area
- Fish Replenishment Area / Netting Restricted Area
- Public Fishing Area
- Bottomfish Restricted Fishing Area
- Community Based Subsistence Fishing Area
- Statutory
- Other DLNR
- Humpback Whale National Marine Sanctuary





30x30 Vision:

A healthy nearshore ecosystem and abundant fish, which allows the people of Hawaii and our visitors to enjoy nearshore waters, support local livelihoods, and feed their families.



What is Effective Management?

‘**Effectiveness**’ = when local stressors are mitigated and existing uses are **sustainable**

Balance of sustainable use, restoration,
and conservation measures



30x30 Goal

Effectively manage at least 30% of Hawaii's nearshore marine areas by 2030 to ensure a healthy nearshore ecosystem and fisheries that sustain our people and economy



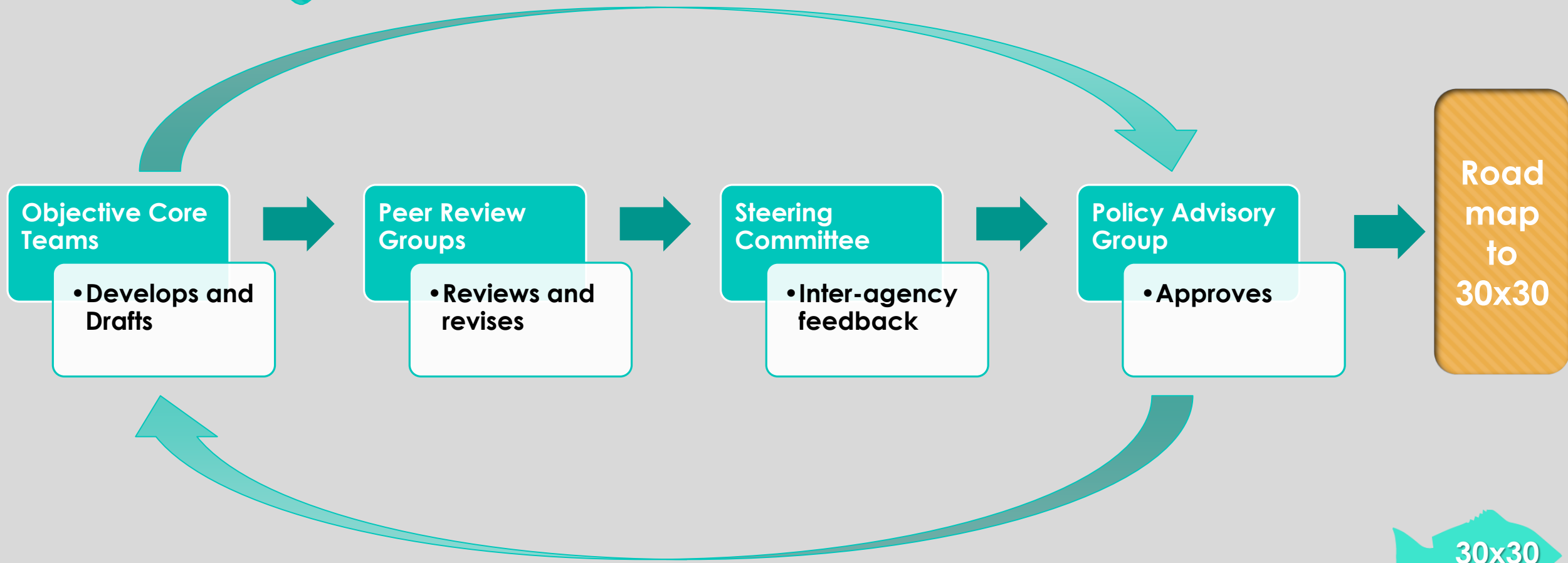
30x30 Objectives

- A. Implement statewide management actions
- B. Identify a network of priority areas for effective management
- C. Encourage responsible behavior through enforcement and education
- D. Prioritize and institutionalize monitoring and data analysis for fishery dependent and independent data

**Indicators of
Progress
+
Communications**



Developing the 'Roadmap to 30x30'



Key Milestones

July 2017:
beginning of
project

Feb 2018:
**Outline of
plan**

**Feb – Apr
2019:**
Graphic
design and
layout of
final plan

Jul 2019:
End of
project

Oct 2017:
30x30 Kickoff
workshop with
DAR

**Oct
2018:**
**Final text
of plan**

May 2019:
**Final Plan
and
outreach
materials**



Questions?

