

Best Coast Belize

Interactive Mapping Exercise

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WOODS INSTITUTE
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STANFORD UNIVERSITY



The Nature
Conservancy



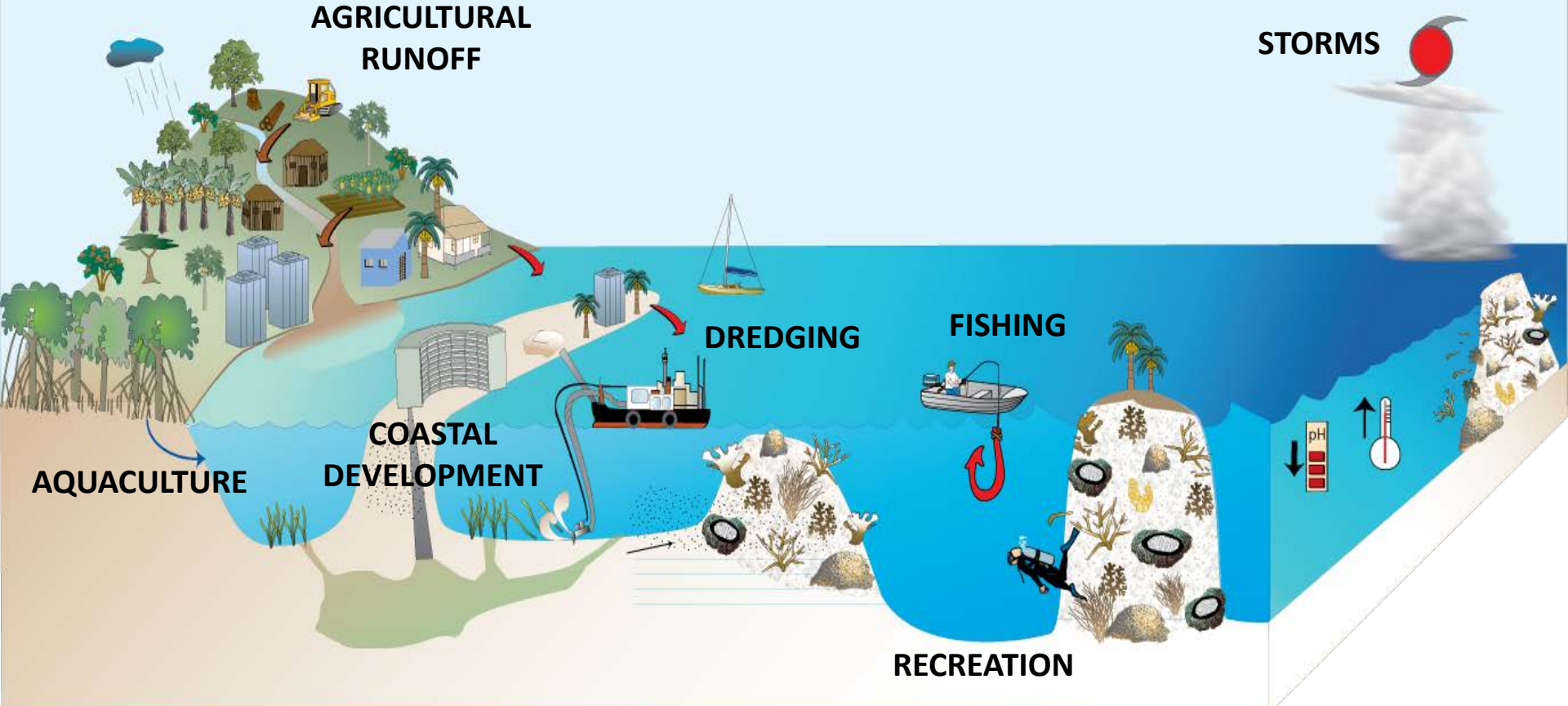
INSTITUTE ON THE
ENVIRONMENT
UNIVERSITY OF MINNESOTA
Driven to Discover™

Belize :: Marine Spatial Planning

- Belize gov't is developing a national Integrated Coastal Zone Management (ICZM) Plan
- Establish guidelines for the sustainable development of the coastline for the long-term benefit of the Belizean people
- Use InVEST to identify the impact of alternative zoning schemes on three ecosystem services

**AGRICULTURAL
RUNOFF**

STORMS



AQUACULTURE

**COASTAL
DEVELOPMENT**

DREDGING

FISHING

RECREATION

Aquaculture

Fishery

Recreation

**Coastal
Protection**

Wave Energy

**Harvested
Biomass**

**Landed
Biomass**

**Visitation
Rate**

**Avoided
Area**

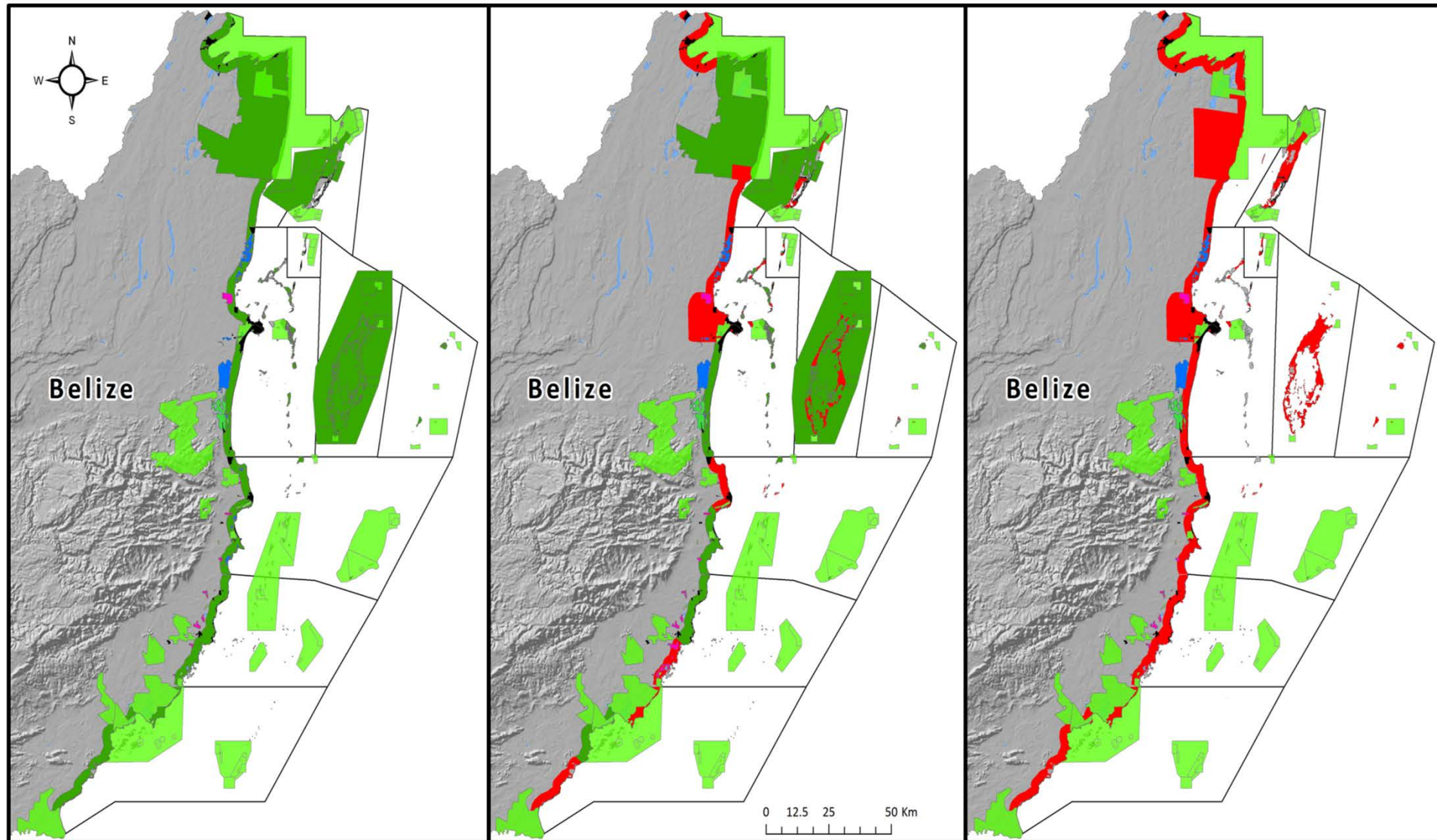
**Captured
Energy**

ECOSYSTEM SERVICES

Conservation

Compromise

Development



Existing Development

Future Development

Existing Conservation

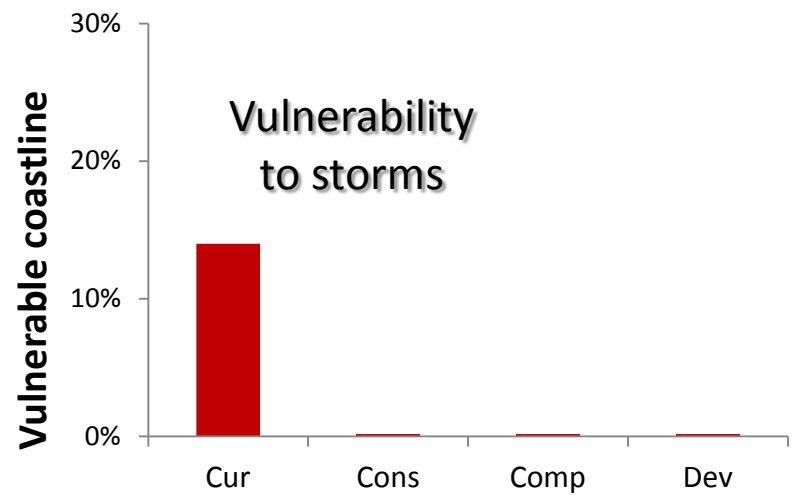
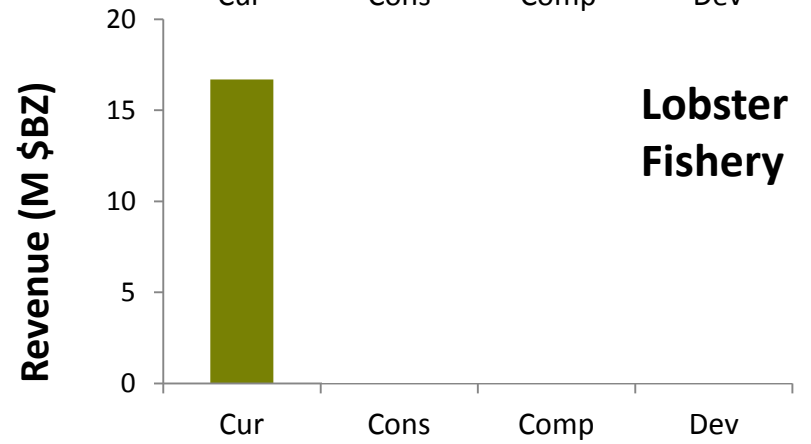
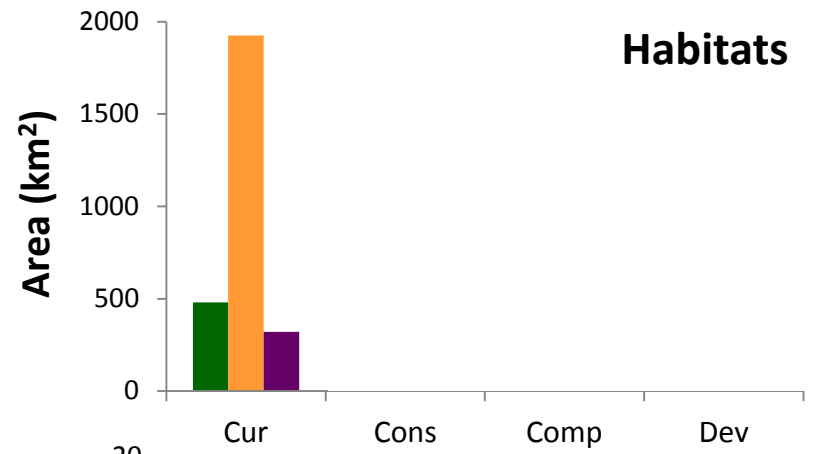
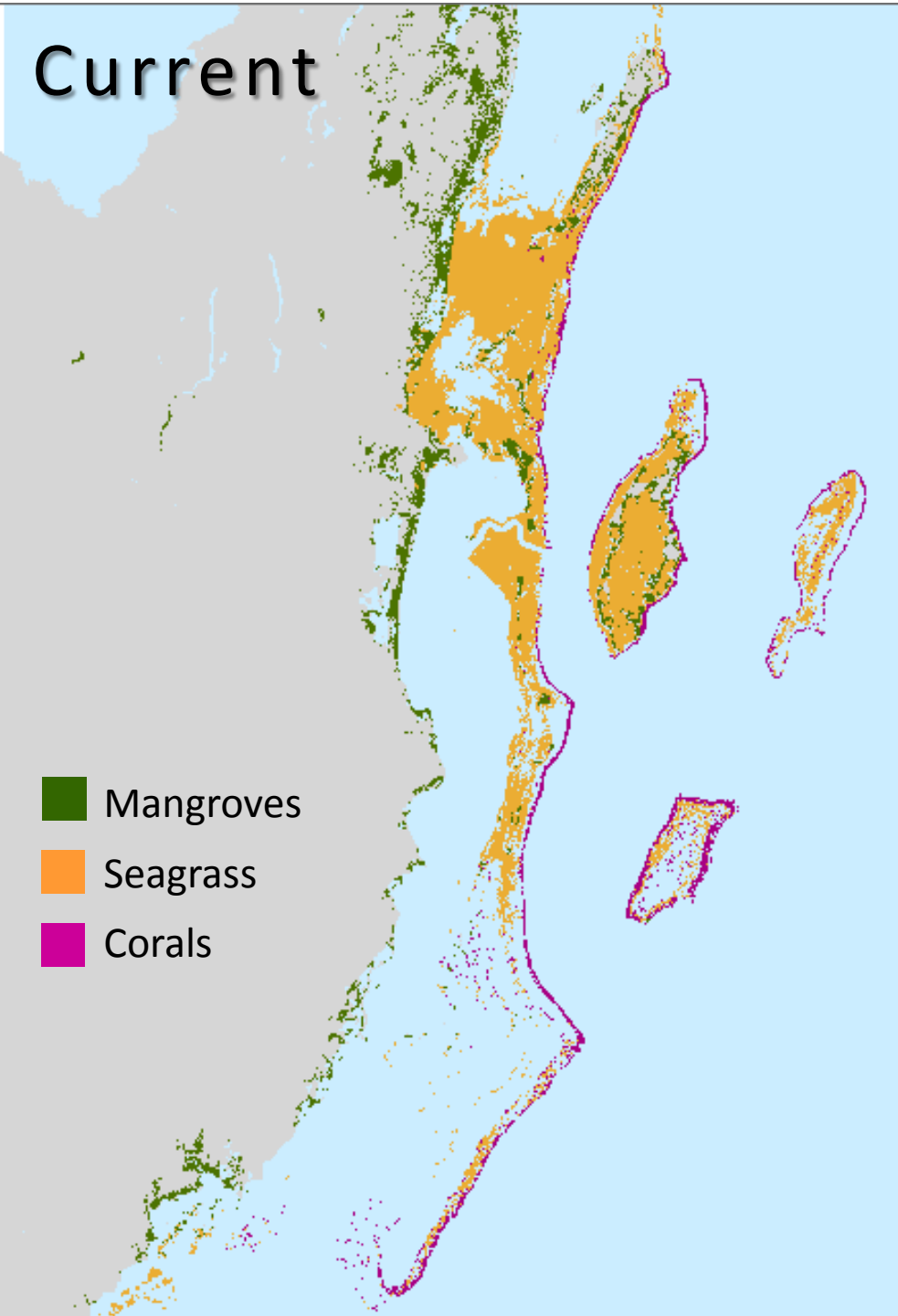
Proposed Conservation

Coastal Lagoons

Coastal Aquaculture

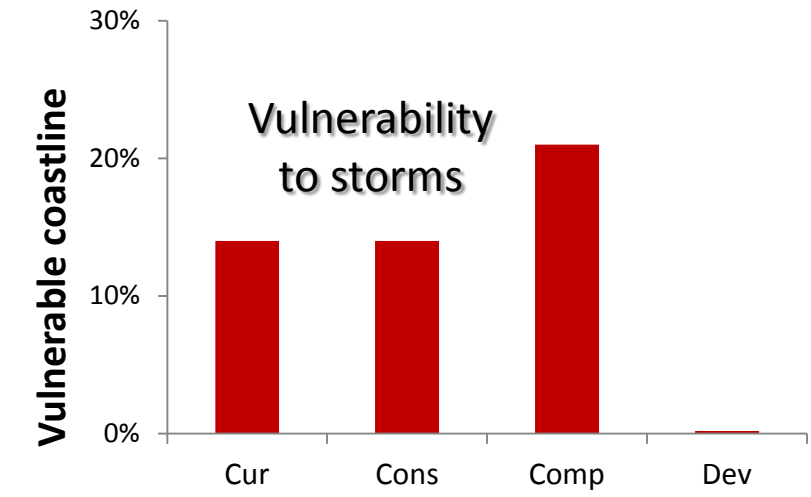
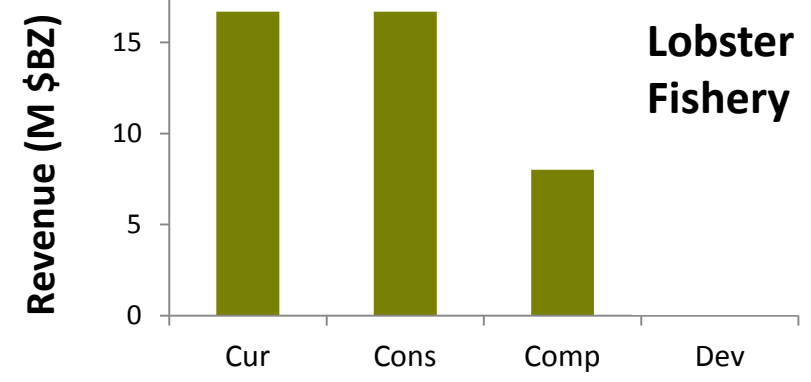
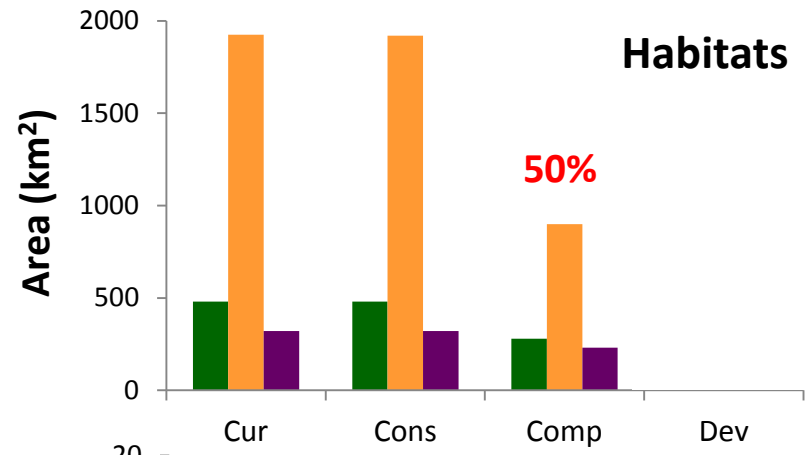
Current

- Mangroves
- Seagrass
- Corals



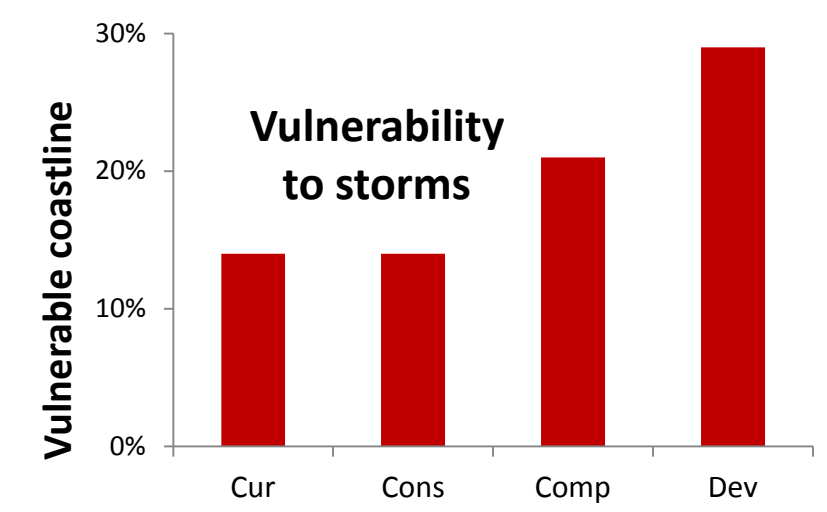
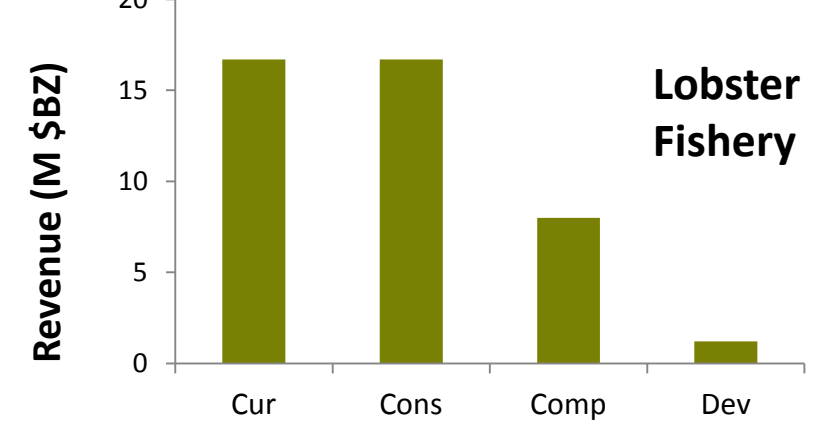
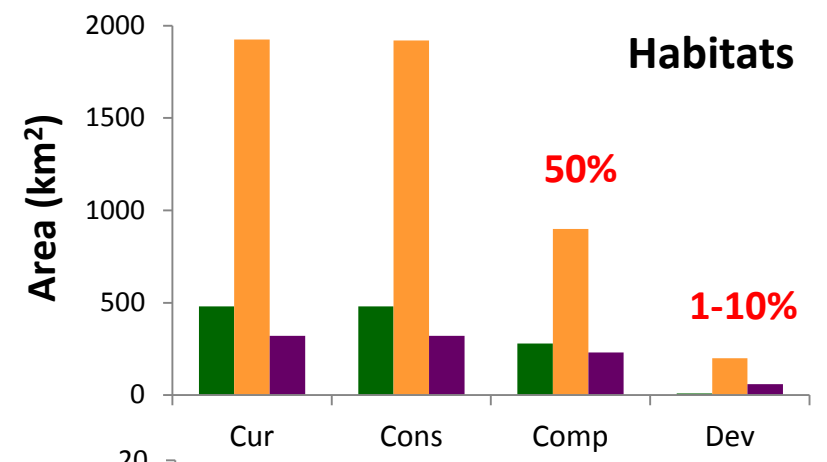
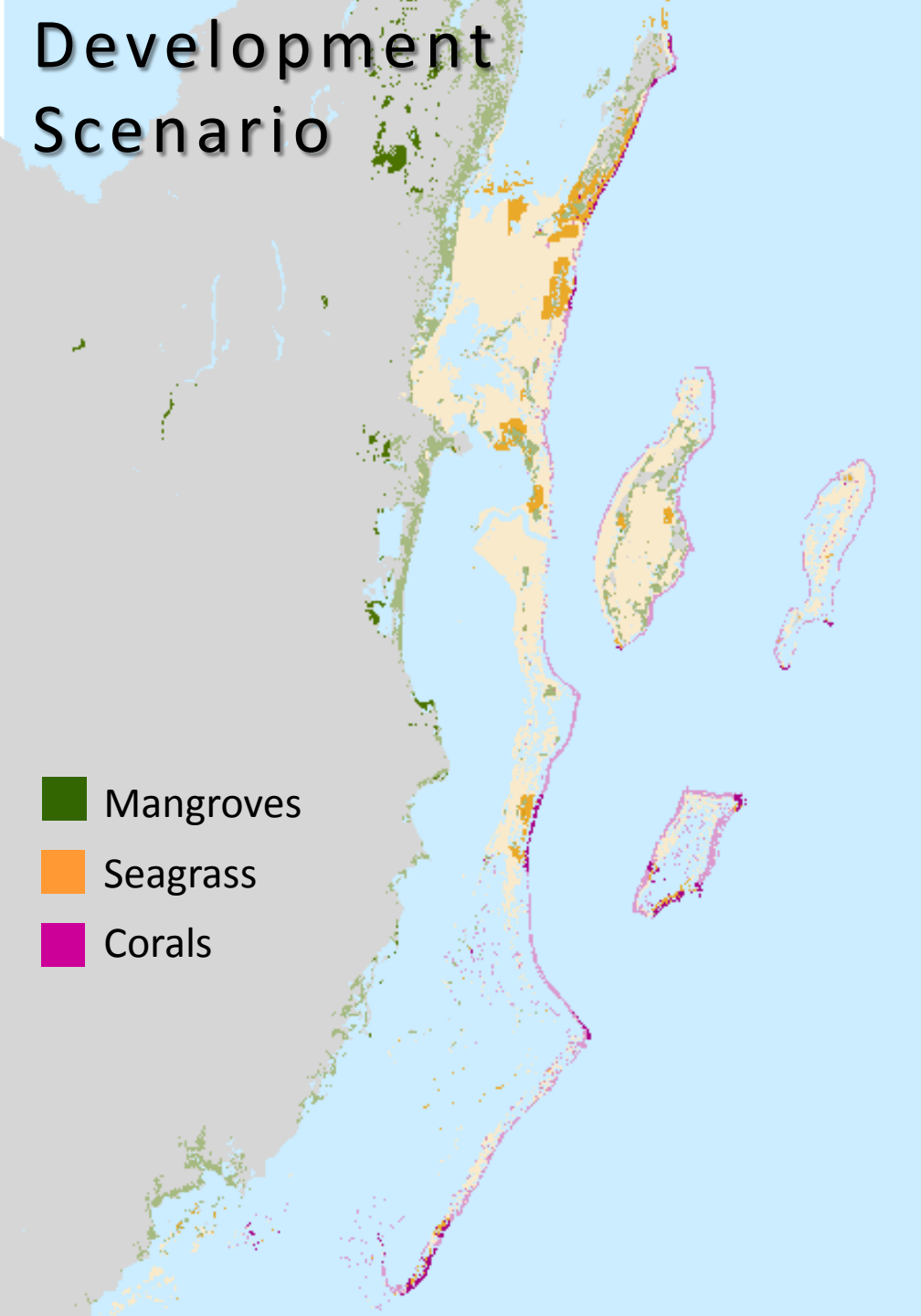
Compromise Scenario

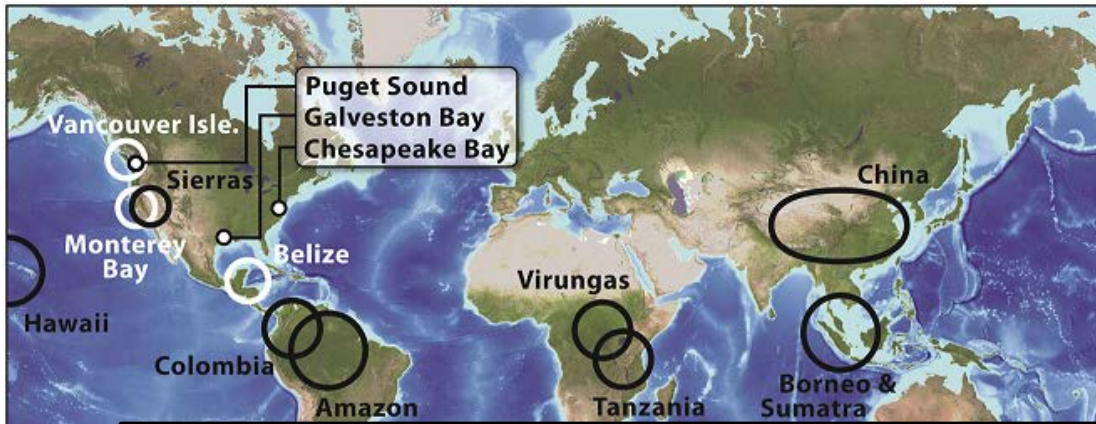
- Mangroves
- Seagrass
- Corals



Development Scenario

- Mangroves
- Seagrass
- Corals





Best Coast Belize: *Build A Sustainable Coast*

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Recre
Aqua
Fishe
Coas
Wave Energy Generation
Aesthetic Quality
Water Quality
Habitat Risk Assessment
Carbon Sequestration



impact assessment, permitting, licensing
Spatial planning
Corporate strategy

Congratulations!

- You're now a contestant on:

The Best Coast Belize

- In this game show, you'll compete to make the best plan for the southern coast of Belize.
- The team with the best coast, wins.



Rules for the Game

1. Create 5 fishing settlements
2. Build 3 hotels for recreation/ tourism
3. Draw in as many necessary protected areas (PAs)