

An underwater photograph of a vibrant coral reef. The scene is dominated by various types of coral, including large, flat, yellowish-green fan corals in the foreground and midground, and tall, branching, light-colored corals in the background. The water is clear and blue, with sunlight filtering through from above, creating a bright and colorful environment. The text is overlaid on this background.

Zoning Process for the
Florida Keys National Marine Sanctuary

Sanctuary Advisory Council Meeting

August 21, 2012

Anne Walton, Program Director
NOAA's International MPA Capacity Building Program



Zoning Process

- Vietnam





Zoning Process

- Vietnam
- Croatia





Zoning Process

- Vietnam
- Croatia
- Indonesia
- Turkey





Zoning Process

- Vietnam
- Croatia
- Indonesia
- Turkey
- Hawaii, Guam & CNMI



Why Revise the FKNMS Zoning Plan?

*management objectives are
changing*



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Biodiversity Protection





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Biodiversity Protection



Socio-economic Objectives





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Socio-economic Objectives



Cultural/Historic Protection





Why Revise the FKNMS Zoning Plan?

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Multiple Objectives

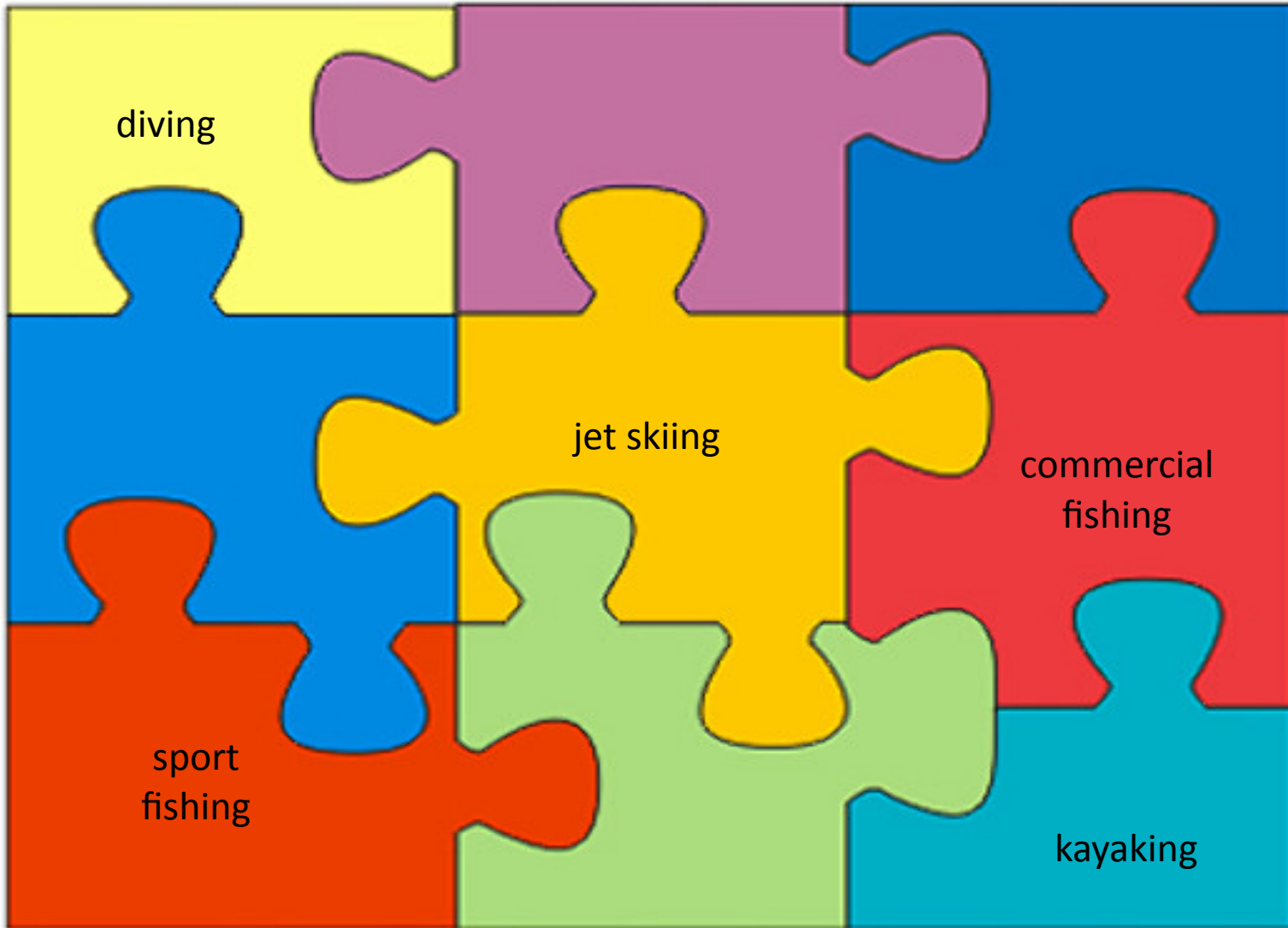




**Why Revise the
Zoning Plan?**
Multiple Objectives
+
Increased Existing &
Future New Uses



FLORIDA KEYS



FLORIDA KEYS



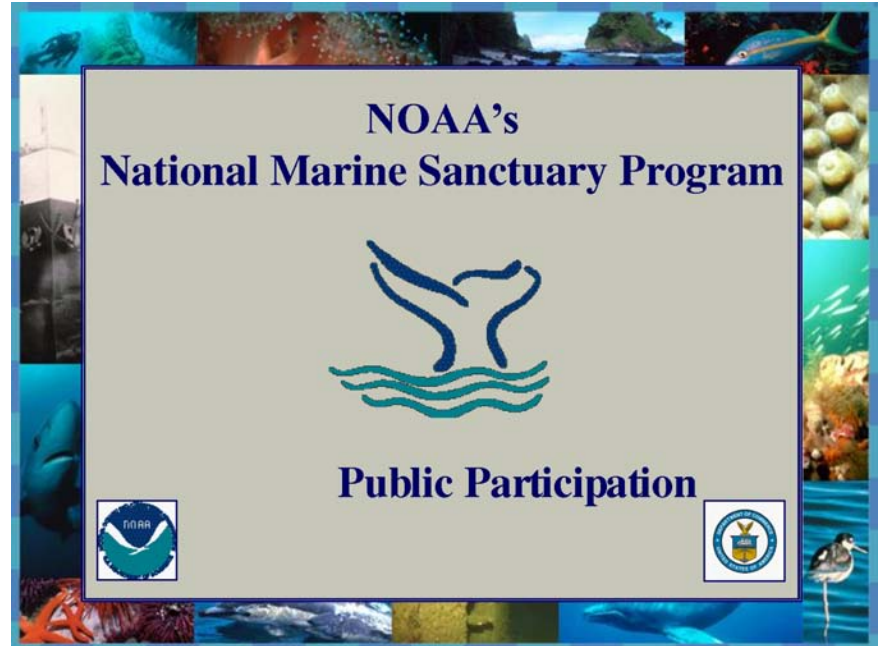
ZONING PROCESS MODEL

STAGE 1: PRE-PLANNING PROCESS					STAGE 2: UNDERSTANDING IMPACTS			STAGE 3: DEVELOPING THE PLAN					STAGE 4:
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.
Defining the study area vs the management area	Identifying target resources for protection	Defining management objectives	Mapping uses of the marine environment	Understanding spatial, temporal and infrastructure requirements of each use	Identifying outside impacts	Predicting future uses	Identifying areas of conflict and compatibility	Selecting management strategies	Evaluating management strategies	Developing the spatial allocation plan	Developing regulatory language	Describing the zones and boundaries	Implementation and Evaluation

MARINE SPATIAL PLANNING TRAINING

Stage 1: Pre-planning Process

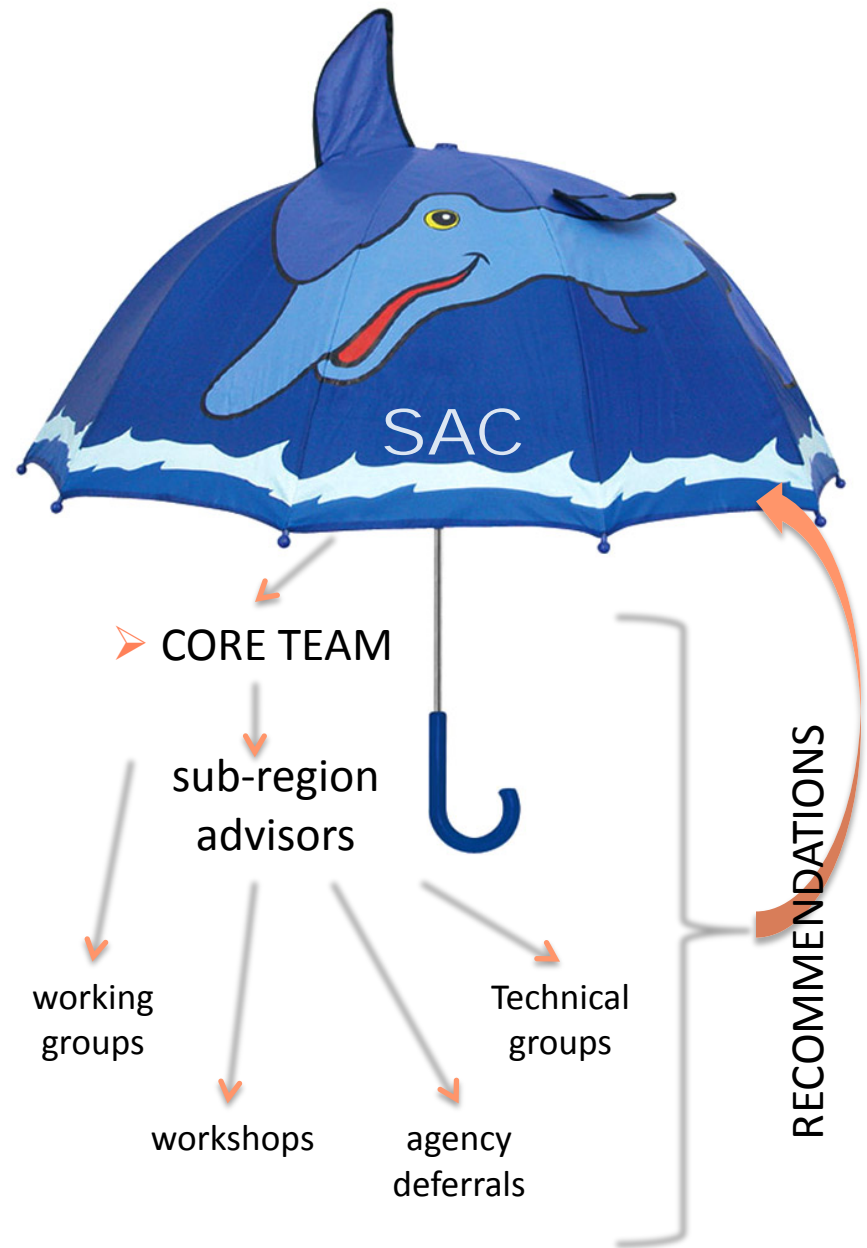
✓ Working with Stakeholders



MARINE SPATIAL PLANNING TRAINING

Stage 1: Pre-planning Process

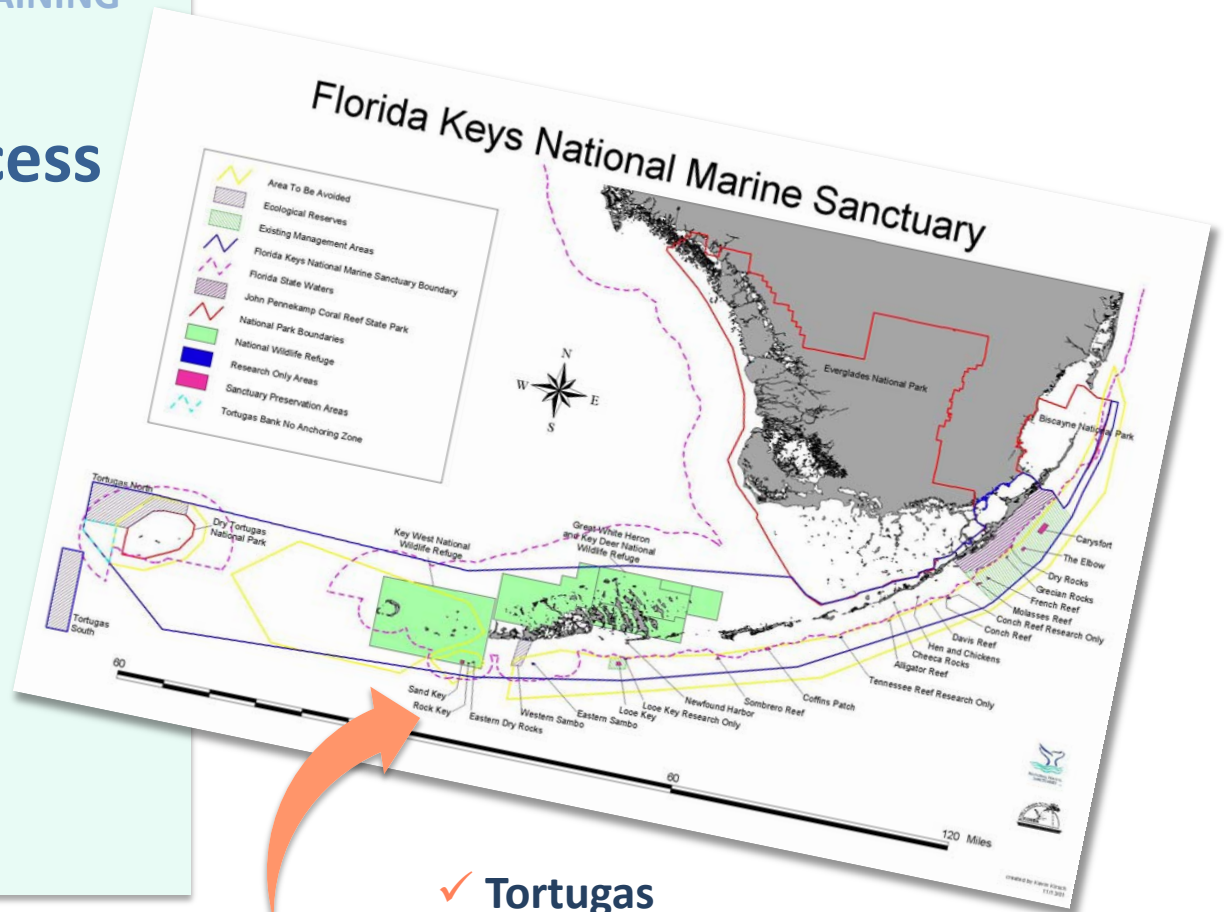
✓ Working with Stakeholders



MARINE SPATIAL PLANNING TRAINING

Stage 1: Pre-planning Process

- ✓ Working with Stakeholders
- ✓ Defining the Study Area



- ✓ Tortugas
- ✓ Marquesas
- ✓ Lower, Middle & Upper Keys
- ✓ Areas of influence

MARINE SPATIAL PLANNING TRAINING

Stage 1: Pre-planning Process

- ✓ Working with Stakeholders
- ✓ Defining the Study Area
- ✓ Identifying Target Resources

WORKSHEET 1.1: Selecting and Ranking Target Resources


1) Please answer each of the following questions about the target resources you have chosen. Your response should be either "major", "moderate" or "minor". Please note the score attached to each of these responses. 2) Add up the scores to all of your responses to the questions for each target resource. 3) Discuss ranking results with entire group and come to consensus agreement on the final 3 (these may be reflected in your management objectives).

Ranking: Please answer all questions for each target specified below. You can only use 16, 8 or 2 for scores, nothing in between.

TARGET RESOURCES	Major – 16	Moderate – 8	Minor – 2																	TOTAL
Species of Concern:																				
Habitats of Concern:																				
Special Features:																				
Socio-economic:																				
Cultural & Historical:																				
Other:																				

- ✓ Corals
- ✓ Queen Conch
- ✓ Sea turtles
- ✓ Apex predatory fish
- ✓ Natural spawning & nursery areas

Stage 1: Pre-planning Process

- ✓ Working with Stakeholders
 - ✓ Defining the Study Area
 - ✓ Identifying Target Resources
 - ✓ **Defining Management Objectives**
- 

Zoning and Regulatory Review Goals and Objectives

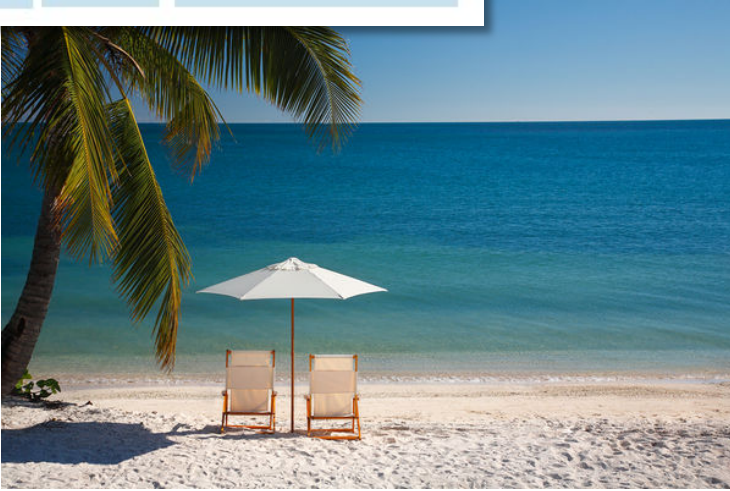
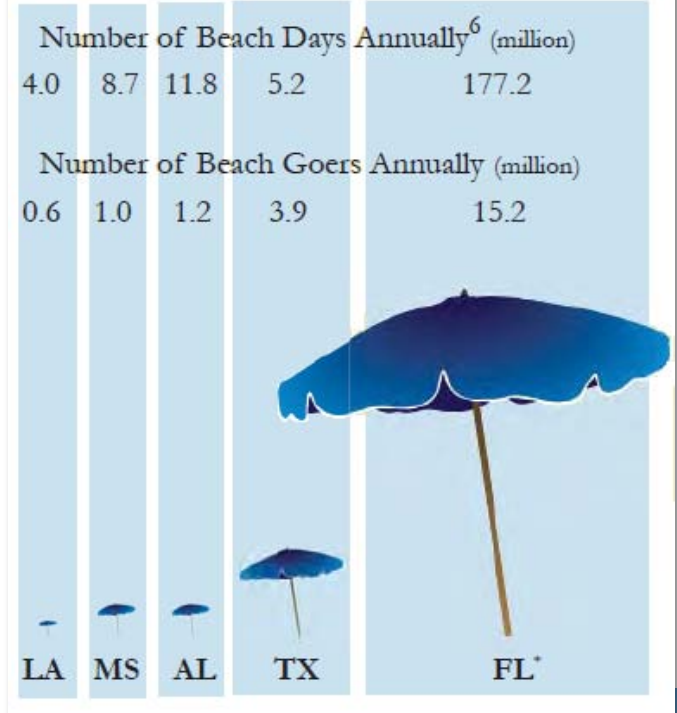
- ✓ A. To improve the diversity of natural biological communities in the Florida Keys to protect, and where appropriate restore and enhance natural habitats, populations and ecological processes overall and in each of the sub regions: Tortugas, Marquesas, Lower, Middle and Upper Keys.
- ✓ B. To facilitate to the extent compatible with the primary objective of resource protection, all public and private uses of the resources of these marine areas not prohibited pursuant to other authorities.

MARINE SPATIAL PLANNING TRAINING

Stage 1: Pre-planning Process

- ✓ Working with Stakeholders
- ✓ Defining the Study Area
- ✓ Identifying Target Resources
- ✓ Defining Management Objectives
- ✓ Mapping Human Uses

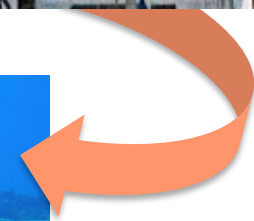
Days at the Beach



MARINE SPATIAL PLANNING TRAINING

Stage 1: Pre-planning Process

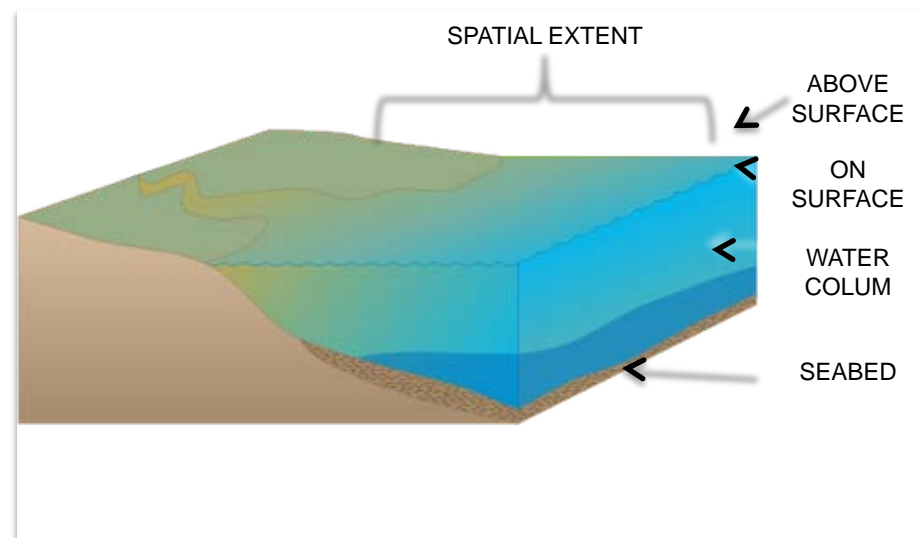
- ✓ Working with Stakeholders
- ✓ Defining the Study Area
- ✓ Identifying Target Resources
- ✓ Defining Management Objectives
- ✓ Mapping Human Uses
- ✓ Understanding Human Use Requirements



MARINE SPATIAL PLANNING TRAINING

Stage 1: Pre-planning Process

- ✓ Defining the Study Area
- ✓ Identifying Target Resources
- ✓ Defining Management Objectives
- ✓ Mapping Human Uses
- ✓ Understanding Human Use Requirements



Spatial & Temporal Considerations

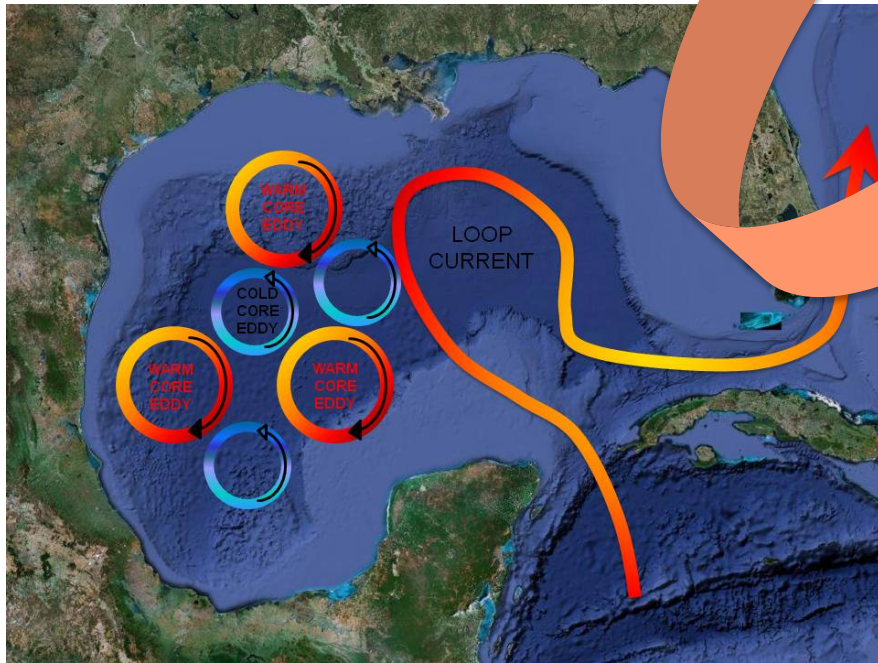




MARINE SPATIAL PLANNING TRAINING

Stage 2: Understanding Impacts

✓ Identifying Outside Impacts

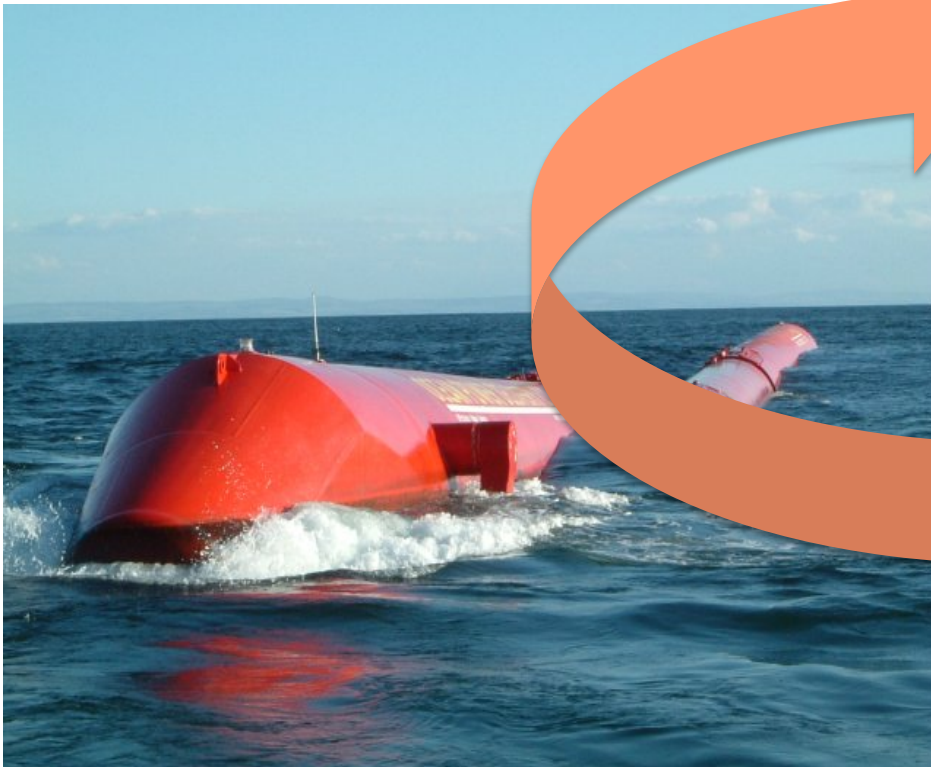




MARINE SPATIAL PLANNING TRAINING

Stage 2: Understanding Impacts

- ✓ Identifying Outside Impacts
- ✓ Predicting Future Uses



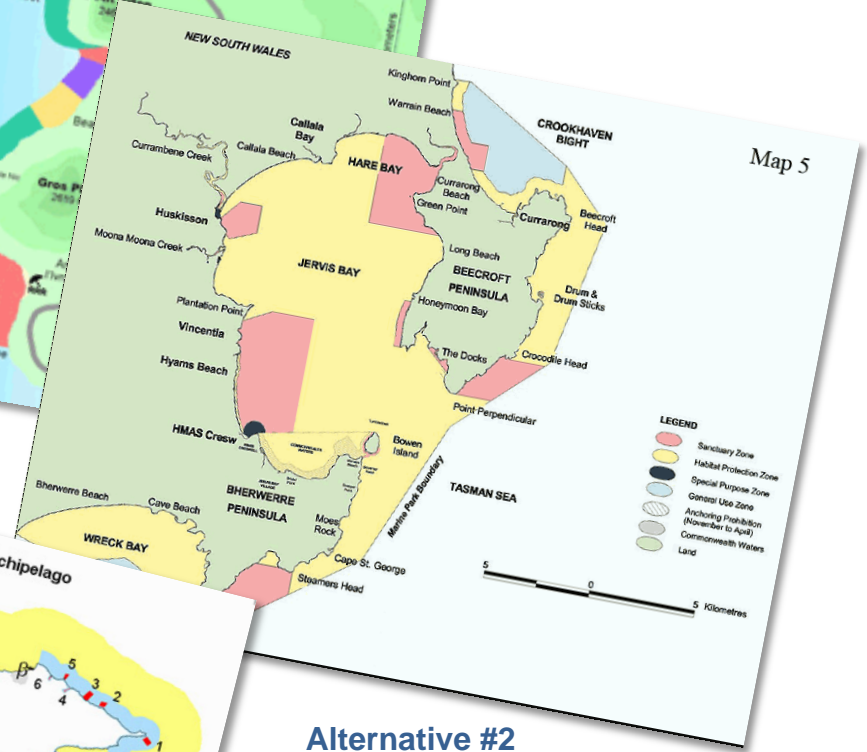
MARINE SPATIAL PLANNING TRAINING

Stage 3: Developing the Zoning Plan

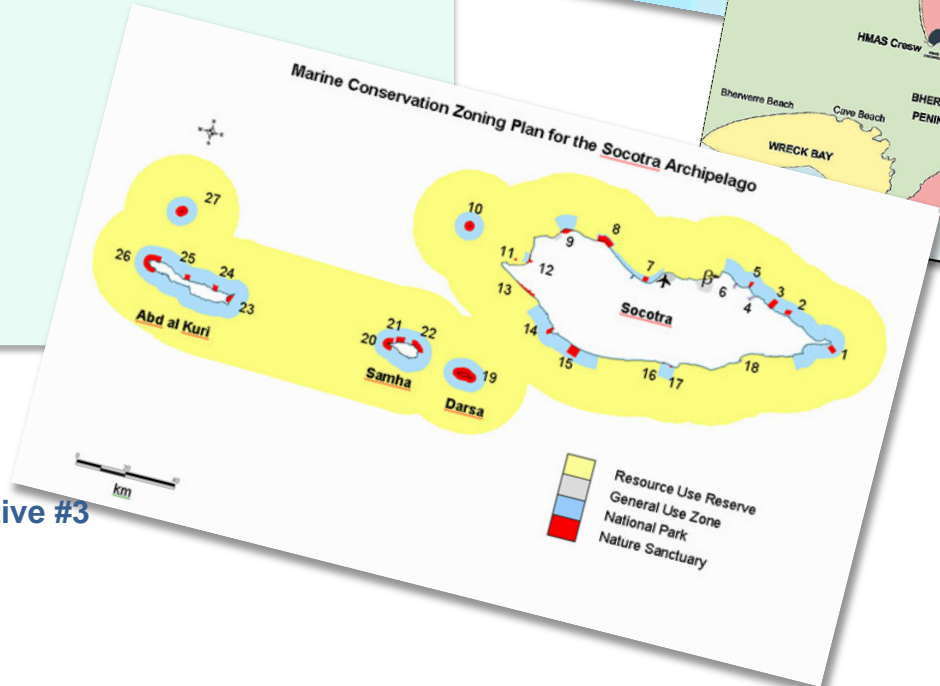
✓ Developing the Spatial Allocation
Plan Alternatives



Alternative #1

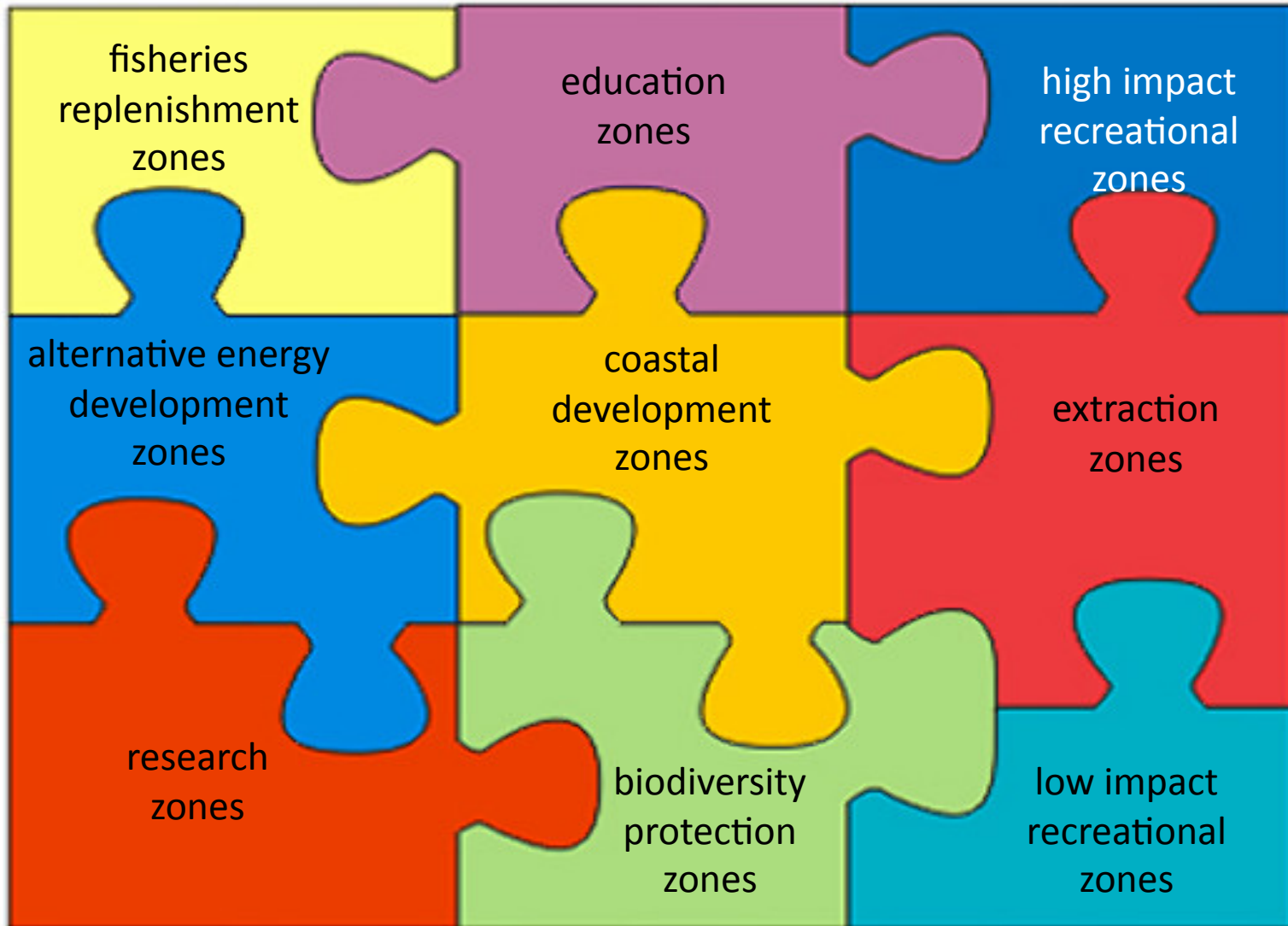


Alternative #2



Alternative #3

FLORIDA KEYS



Stage 3: Developing the Zoning Plan

- ✓ Developing the Spatial Allocation Plan Alternatives
- ✓ Describing Zones, Regulations and Boundaries
- ✓ Evaluating the Spatial Allocation Plan

1. *Does the zoning plan make a significant contribution towards meeting your management objectives?*
2. *Have you addressed areas of conflict and compatibility?*
3. *Does it meet your feasibility criteria?*



Stage 3: Developing the Zoning Plan

- ✓ Developing the Spatial Allocation Plan Alternatives
- ✓ Describing Zones, Regulations & Boundaries
- ✓ Evaluating the Spatial Allocation Plan
- ✓ Making Recommendations to the Sanctuary Superintendent & Refuge Manager



MARINE SPATIAL PLANNING TRAINING

Stage 3: Developing the Zoning Plan

- ✓ Developing the Spatial Allocation Plan Alternatives
- ✓ Describing, Zones, Regulations & Boundaries
- ✓ Evaluating the Spatial Allocation Plan
- ✓ Making Recommendations to the Sanctuary Superintendent & Refuge Manager
- ✓ **Public Review**





Thank You