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**OPAC RECOMMENDATION:  
DRAFT COMPREHENSIVE  
PLAN FOR TSP AMENDMENT**

# Outline:

- ◎ Draft Plan
  - Framework – Area Definition
  - Area composition (Draft)
- ◎ Marine Recreation Conservation Area
- ◎ Visual Assessment Analysis Framework
- ◎ Overlay OWET Feasibility Map

# Draft Recommendation for TSP Amendment

## Marine Renewable Energy Exclusion Area

**Objective: To protect existing permitted uses and special management areas under Goal 19 Ocean Resources.**

No development of marine renewable energy will be permitted in these distinct areas.

## Marine Conservation Area

**Objective: Protect important, unique, or vulnerable Goal 19 ocean resources or uses.**

Area identified for the protection of Goal 19 Resources. Any development in this area must demonstrate no reasonably foreseeable adverse effect to the identified Goal 19 resources.

## Marine Resource Use Management Area

**Objective: To maintain the long term use and health of the area by managing for a broad range of Goal 19 ocean resources and uses.**

Maintain the status quo for existing users of the environment. Can demonstrate that the proposed use of the area will not conflict with the existing users, or have significant adverse effect to the Goal 19 resources or uses within the area.

## Marine Resource Development Area

**Objective: To identify areas of least use conflict for the development of Marine Renewable Energy Facilities.**

While the goal of minimizing the impacts of development to existing users and the natural resources remains, this is an area that has been identified for testing the implementation of marine renewable energy.

Screening standards applied across all areas

Visual Impact Assessment Analysis

Marine Recreation Conservation Area

Will not be permitted.

Higher

Permitting Difficulty Level

Lower

# Moving from Resource Inventories to Area Types...

## BENEFICIAL USES

### Most competing uses & resources

- **Note:** no resources have been allocated to this category yet

### High competing uses & resources

(Level I - 32% of TS)

- Dredge Material Disposal
- Commercial Shipping Lanes
- Coastal Discharge Outfalls
- National Wildlife Refuges
- Nearshore Research Inventory (NNMREC, OOI)
- OR Islands National Wildlife Refuges
- State Designated Marine Managed Areas
- State Marine Reserves and Protected Areas
- Undersea Cables
- Marine Renewable Energy Permits
- Ocean Outfalls

### Moderate competing uses & resources

(Level II - 38% of TS)

- Shallow Draft Commercial Shipping Lanes
- Inactive Dredge Material Disposal Sites
- Navigational Aids
- Nearshore Research Inventory (Other Locations)
- Crabber Tugboat Agreement Lanes
- Ocean Recreation Hotspots
- Other Areas
- Visual Inventory Assessment

### Least competing uses & resources

(Level III - 30% of TS)

No beneficial uses were listed in this category

## FISHERY RESOURCES

### Most competing uses & resources

- **Note:** no resources have been allocated to this category yet

### High competing uses & resources

(Level I - 45% of TS)

- Areas of Greatest Importance to Fisheries

### Moderate competing uses & resources

(Level II - 24% of TS)

- Areas of Great Importance to Fisheries

### Least competing uses & resources

(Level III - 31% of TS)

- Areas of Importance to Fisheries

### **NOTE: All Calculations (% Area)**

Made using the planning grid representations and reported in the following manner:

% of TSP in Level I Area

+

% of Additional Area covered in Level II

+

% of Area in remaining Level III

**Total to 100% of TS**

## ECOLOGICAL RESOURCES

### Most competing uses & resources

- **Note:** no resources have been allocated to this category yet

### High competing uses & resources

(Level I - 60% of TS)

- Kelp Beds
- Subtidal Rocky Reef

- Rocky Shores Habitat

- Pinniped Haulout
- Steller Sea Lion Critical Habitat
- Nesting Seabird Colonies
- Snowy Plover Critical Habitat
- Level I Marxan (core hotspots)

### Moderate competing uses & resources

(Level II - 22% of TS)

- Gray Whale Foraging Area
- Marbled Murrelet Foraging
- Level II Marxan (moderate hotspots)

## Legend

- Marine Renewable Energy Exclusion Area
- Marine Conservation Area
- Marine Resource Use Management Area
- Marine Renewable Energy Opportunity Area

Revised 2/8/2012

# Marine Renewable Energy Exclusion Zones

Objective: To protect already permitted uses and special management areas under Goal 19.

- No MRE development will be allowed

## Resource Inventory Layers Included:

- Dredge Material Disposal Sites
- Commercial Shipping Lanes (Deep & Shallow draft)
- Coastal Discharge Outfalls
- Coastal National Wildlife Refuges
- OR Islands National Wildlife Refuges
- Research Cables and Infrastructure
- Existing State Designated Marine Managed Areas
- Undersea Telecommunication Cables
- Existing Marine Renewable Energy Permits
- Ocean Outfalls

# Marine Conservation Area

Objective: To protect unique, important, or vulnerable Goal 19 resources or uses

- Any MRE development must demonstrate no adverse effects to identified Goal 19 resources or uses.

## Resource Inventory Layers Included:

- Areas of Greatest Importance to Fisheries
- Ocean Recreation Hotspots
- Kelp Beds
- Subtidal Rocky Reef
- Rock Shores Habitat
- Pinniped Haulout
- Steller Sea Lion Critical Habitat
- Nesting Seabird Colonies
- Snowy Plover Critical Habitat
- Level I Marxan (core hotspots)

# Marine Resource Use Management Area

Objective: To maintain the long term use and health of the area by a broad range of Goal 19 uses and resources.

- Maintain the status quo for Goal 19 uses and resources. Any MRE development must demonstrate no significant adverse effects, to the extent possible, to those resources or uses.

## Resource Inventory Layers Included:

- Oceanographic Research
- Crabber Tugboat Agreement lanes
- Ocean Recreation
- Gray Whale Foraging Area
- Marbled Murrelet Foraging
- Level II Marxan (core hotspots)
- Areas of Great Importance to Fisheries

# Marine Resource Development Area

Objective: Indicates an area of least use conflict for the development of Marine Renewable Energy Facilities.

- While the goal of minimizing the impacts of development to Goal 19 uses and resources remains, this is an area that has been identified for the testing and development of marine renewable energy.

## Resource Inventory Layers Included:

- Navigational Aides
- Inactive Dredge Material Disposal Sites

# Marine Recreation Conservation Area Overlay

Proposal: To include a shoreline to 300m offshore zone that would serve as a plan overlay for the review of adverse effects to the existing shoreline and ocean recreation community.

Designed to cover shore-land bound marine recreation activities.

- ⦿ Proposed criteria to apply to this overlay:
  - project has significant adverse impact IF:
    - access is denied or impeded,
    - there are safety/health issues or
    - if there would be reasonable foreseeable adverse impacts/effects on the natural environment that the recreational community depends upon (like beach users depend on the beach, could be impacted by sediment transport issues...increased erosion etc.)
- ⦿ within this area, need to use best available data (e.g., OPRD data for beach, locations of state parks and other recreation areas)

## Visual Impact Assessment Analysis Overlay

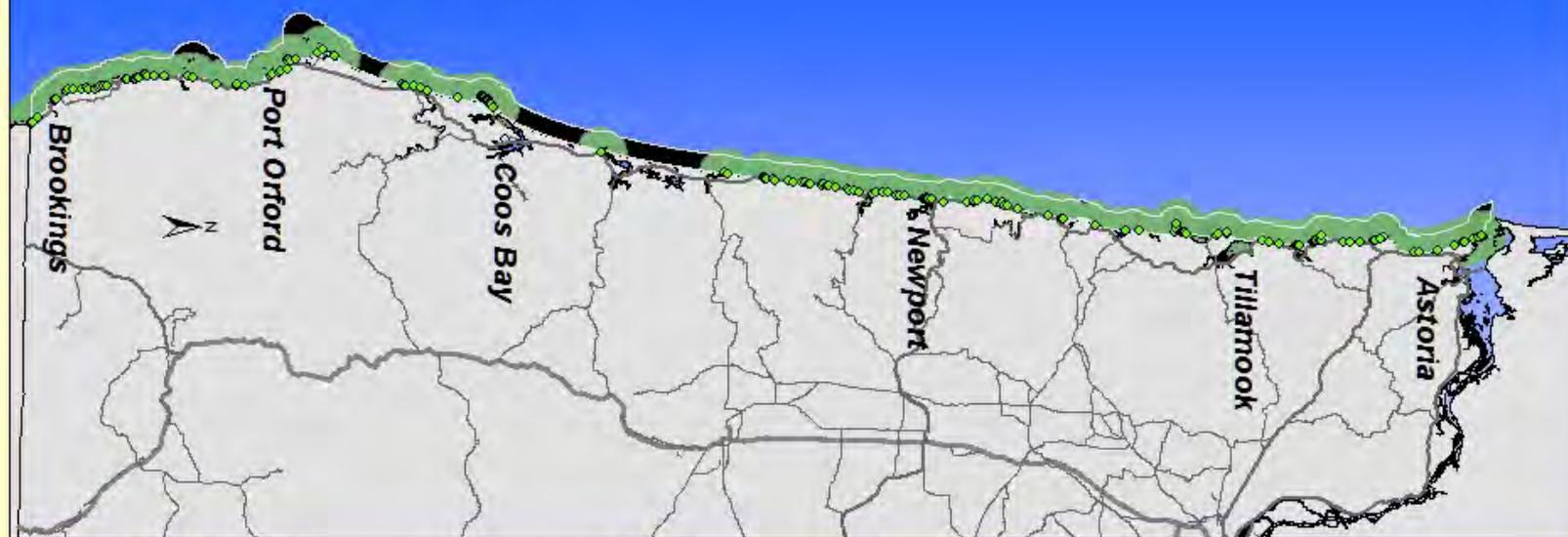
Proposal: To include an overlay over the entire Territorial Sea requiring the conduct of a Visual Impact Assessment.

The visual impact assessment framework provided by the Oregon Parks and Recreation Department will serve as a model framework the state will adopt for the evaluation of impacts. An initial assessment will be conducted to provide be a starting point for the generation of a coastwide inventory of sites.

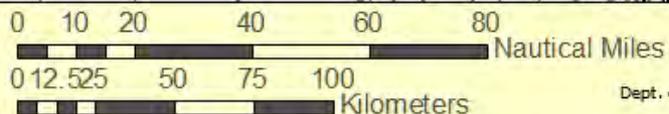
- ⦿ In the planning phase of work, all sites included in the inventory will be given a class rating
- ⦿ That rating will be used in the regulatory phase for the evaluation of impacts to any viewpoint in the inventory.

# State of Oregon

## Oregon State Parks Viewpoints and Viewsheds



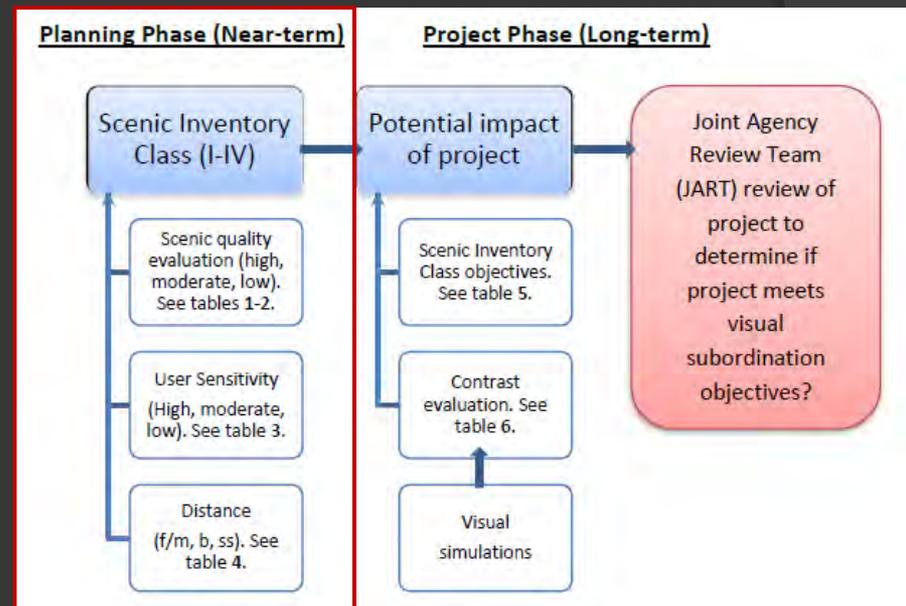
- ◆ State Park Viewpoints
- Territorial Sea outside of State Park Viewsheds
- 5 mile distance from OPRD viewpoints



Cartography by Andy Lanier  
Oregon Coastal Management Program  
Dept. of Land Conservation and Development  
Last Updated: 04.7.2012

# The Planning Phase:

- **Determine scenic quality**
  - Measure of visual appeal based on key factors: Seascape, vegetation, color, adjacent scenery, scarcity, and cultural modification.
- **Determine sensitivity**
  - Measure of public concern for scenic quality: *type of users, amount of use, public interest, adjacent land use, special areas, and other factors.*
  - Park users are considered to have high user sensitivity.
- **Determine distance zone**
  - Seascapes divided into distanced zones based on relative visibility from observation points.
- **Determine visual resource classes**
  - Combination of scenic quality, sensitivity and distance zone



# Objectives for Visual Resource Classes

## ● Class I:

- Preserve the existing character of the seascape
- Does not preclude *very limited* management activity.
- The level of change to the characteristic seascape should be very low and must not attract attention.

## ● Class II:

- Retain the existing character of the seascape.
- The level of change should be *low*.
- Management activities may be seen, but should not attract the attention of the casual observer.

## ● Class III:

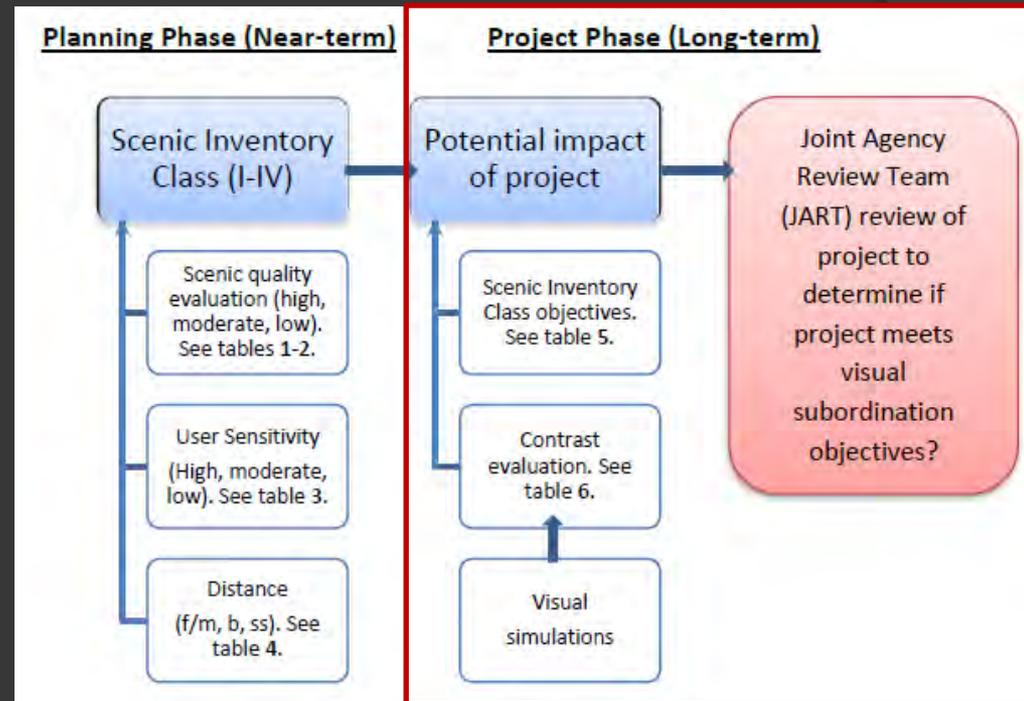
- Partially retain the existing character of the seascape.
- The level of change should be *moderate*.
- Management activities may attract attention but should not dominate the view of the casual observer.

## ● Class IV:

- Provide for management activities which require major modifications
- The level of change to the characteristic seascape *can be high*.
- Management activities may dominate the view and be the major focus of viewer attention.

# The Project Review Phase:

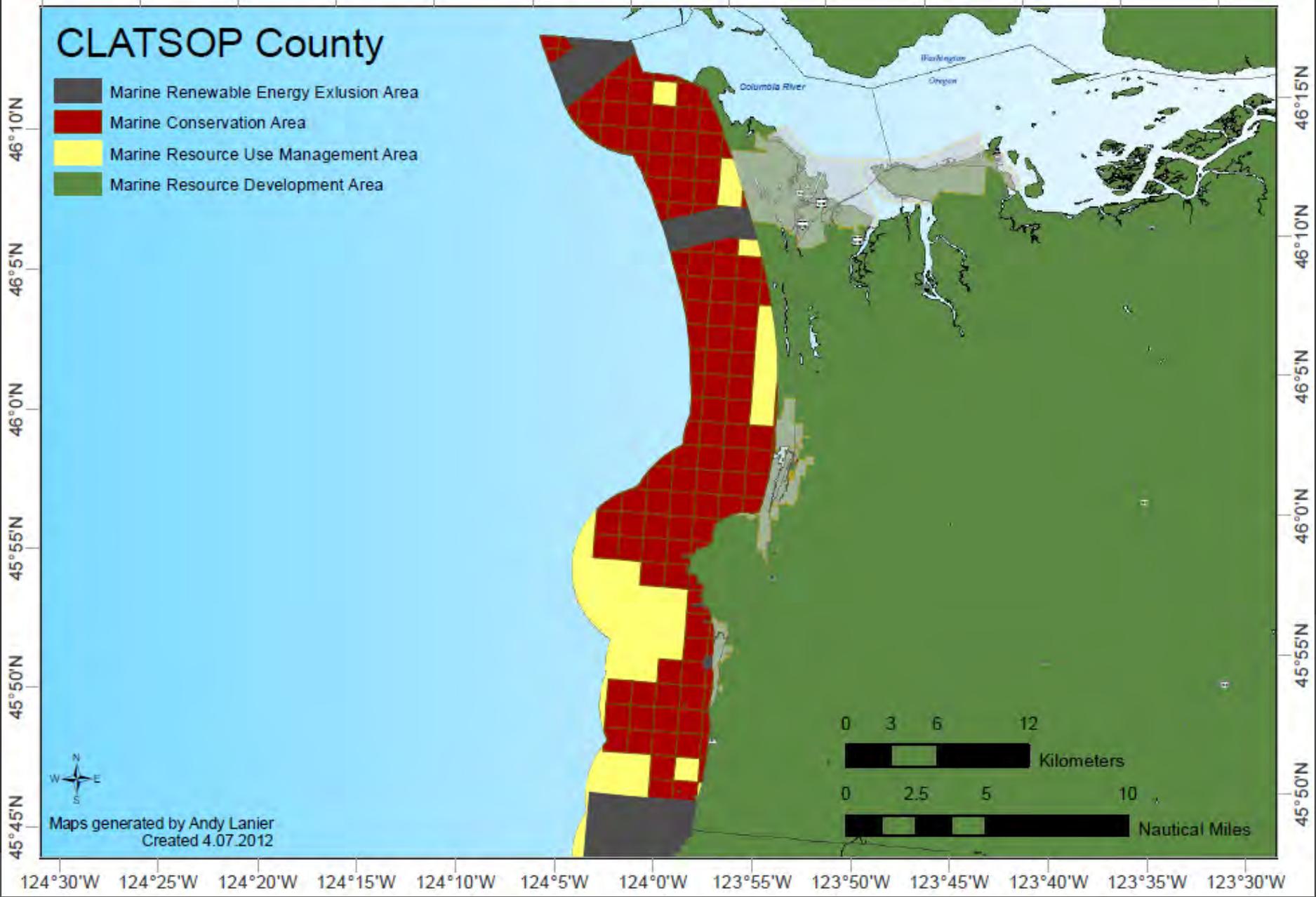
- Visual simulations
- Contrast evaluation to determine potential impact of project on scenic resources
- JART review of contrast evaluation to determine consistency with visual resource class objectives.



# Draft Comprehensive Plan for TSP Amendment Process

## CLATSOP County

- Marine Renewable Energy Exclusion Area
- Marine Conservation Area
- Marine Resource Use Management Area
- Marine Resource Development Area



Maps generated by Andy Lanier  
Created 4.07.2012

# Draft Comprehensive Plan for TSP Amendment Process

## LINCOLN County

### OWET Feasibility Layers

#### LEGEND

-  Top 5%
-  Top 11%
-  Top 20%
-  Marine Renewable Energy Exclusion Area
-  Marine Conservation Area
-  Marine Resource Use Management Area
-  Marine Resource Development Area



Maps generated by Andy Lanier  
Created 4.07.2012

0 4.75 9.5 19  
Kilometers

0 4.25 8.5 17  
Nautical Miles

44°0'N  
44°5'N  
44°10'N  
44°15'N  
44°20'N  
44°25'N  
44°30'N  
44°35'N  
44°40'N  
44°45'N  
44°50'N  
45°0'N

44°0'N  
44°5'N  
44°10'N  
44°15'N  
44°20'N  
44°25'N  
44°30'N  
44°35'N  
44°40'N  
44°45'N  
44°50'N  
45°0'N

124°50'W 124°40'W 124°30'W 124°20'W 124°10'W 124°0'W 123°50'W 123°40'W 123°30'W 123°20'W

# Draft Comprehensive Plan for TSP Amendment Process

## CURRY County

### OWET Feasibility Layers

#### LEGEND

- Top 5%
- Top 11%
- Top 20%
- Marine Renewable Energy Exclusion Area
- Marine Conservation Area
- Marine Resource Use Management Area
- Marine Resource Development Area



Maps generated by Andy Lanier  
Created 4.07.2012

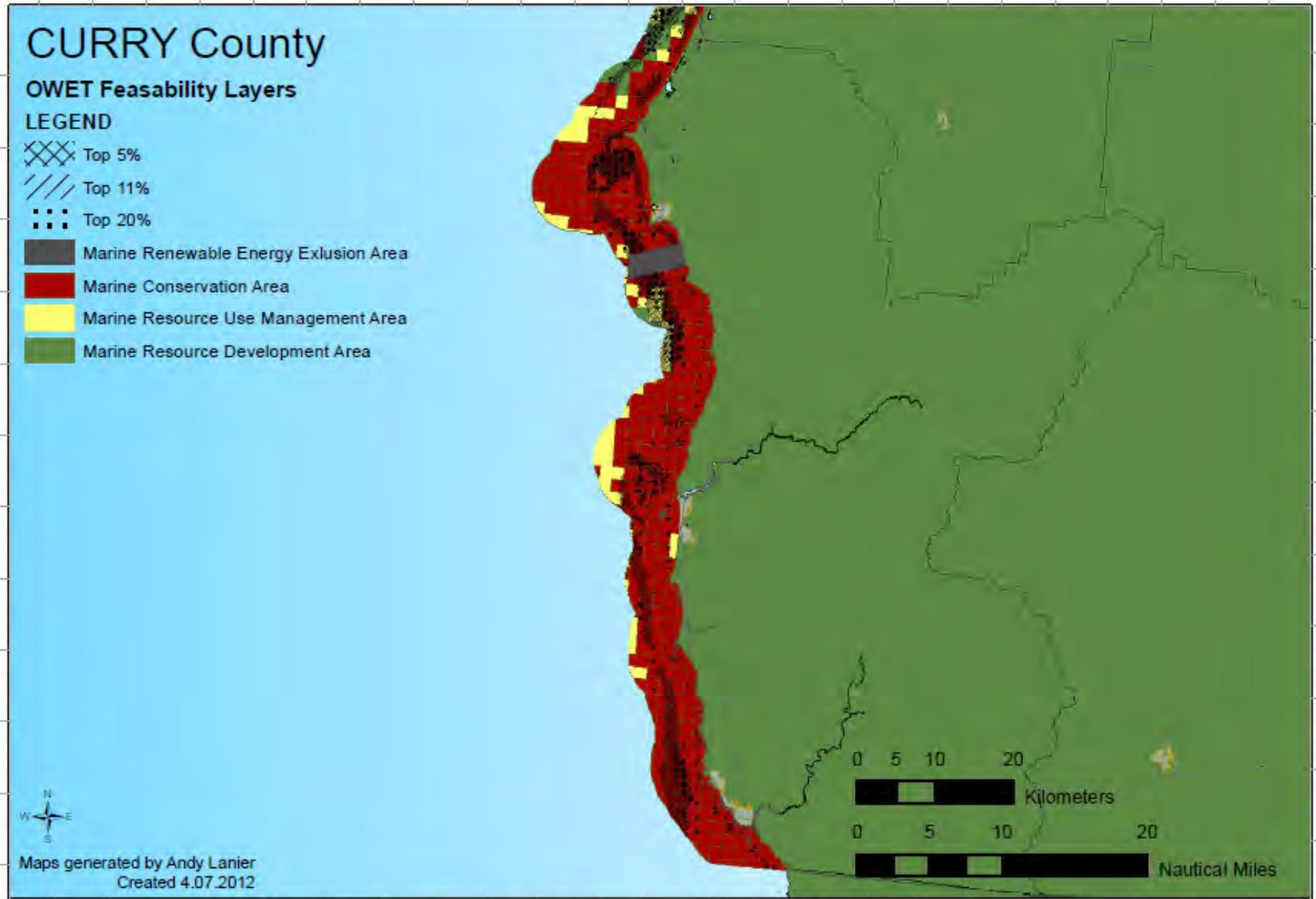
0 5 10 20  
Kilometers

0 5 10 20  
Nautical Miles

125°15'W 125°5'W 124°55'W 124°45'W 124°35'W 124°25'W 124°15'W 124°5'W 123°55'W 123°45'W 123°35'W 123°25'W

42°50'N  
42°40'N  
42°30'N  
42°20'N  
42°10'N  
42°5'N  
41°55'N

42°55'N 43°0'N  
42°45'N  
42°35'N  
42°25'N  
42°15'N  
42°5'N



Lest we forget: This is who we're planning for....

