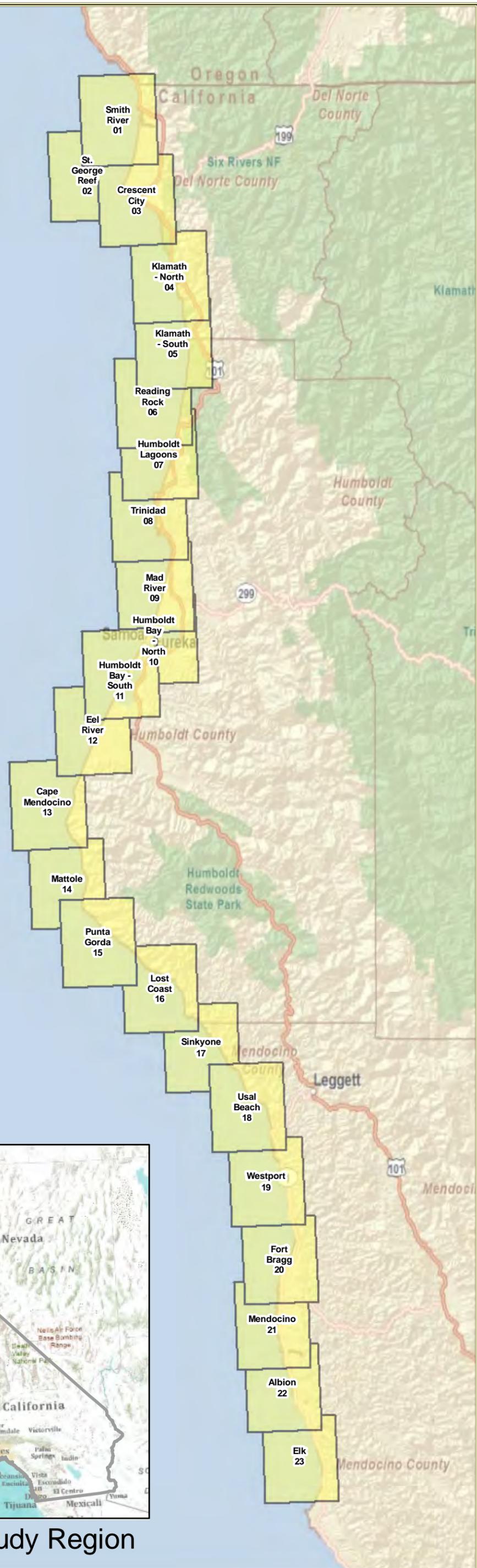


Coastal Management & Human Uses Atlas

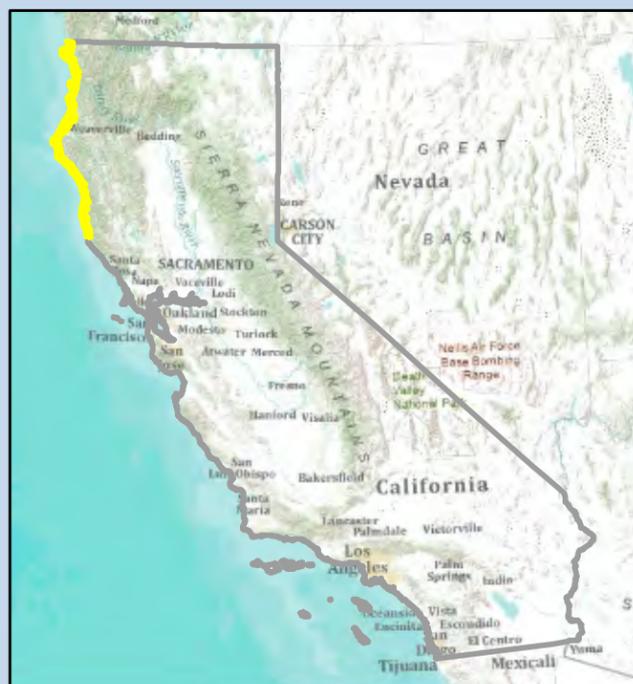
Marine Life Protection Act Initiative

The North Coast Study Region (California/Oregon border to Alder Creek near Point Arena in Mendocino County) is the fourth Marine Life Protection Act (MLPA) study region to undergo the regional marine protected area (MPA) planning and re-design process.

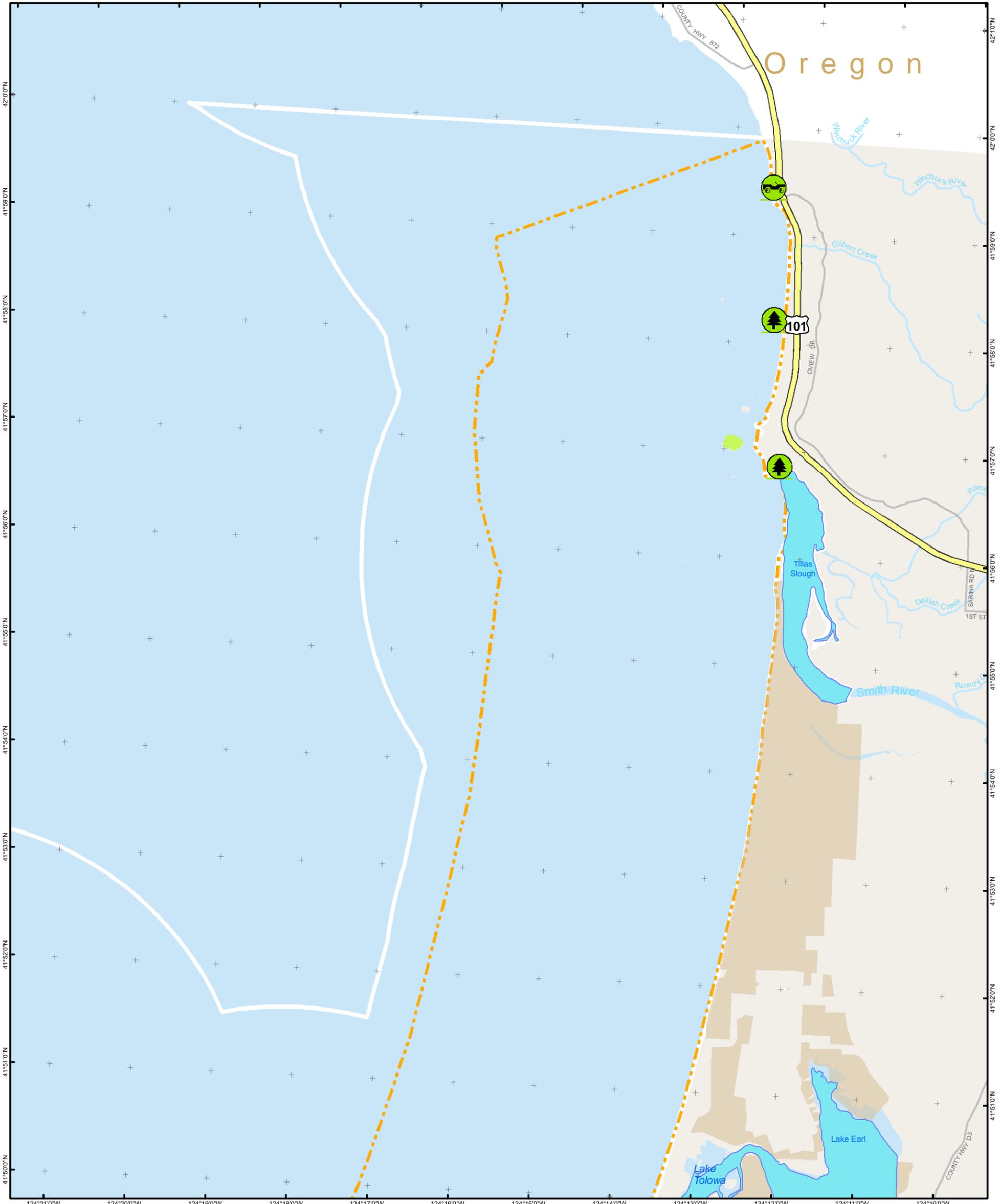
Page Number	Sheet Name
1	Smith River
2	St. George Reef
3	Crescent City
4	Klamath - North
5	Klamath - South
6	Reading Rock
7	Humboldt Lagoons
8	Trinidad
9	Mad River
10	Humboldt Bay - North
11	Humboldt Bay - South
12	Eel River
13	Cape Mendocino
14	Mattole
15	Punta Gorda
16	Lost Coast
17	Sinkyone
18	Usal Beach
19	Westport
20	Fort Bragg
21	Mendocino
22	Albion
23	Elk



California



North Coast Study Region



		Terrestrial Managed Areas
Place Names		
		Marine Managed Areas
		Kelp Bed Leases
	Existing State Marine Protected Areas	

0 0.5 1 2 Nautical Miles
0 0.5 1 2 Statute Miles
0 0.5 1 2 Kilometers

1 in = 1 Statute mile

Projection Information:
California Teale Albers
Datum: North American 1983

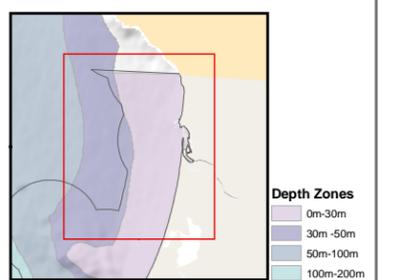
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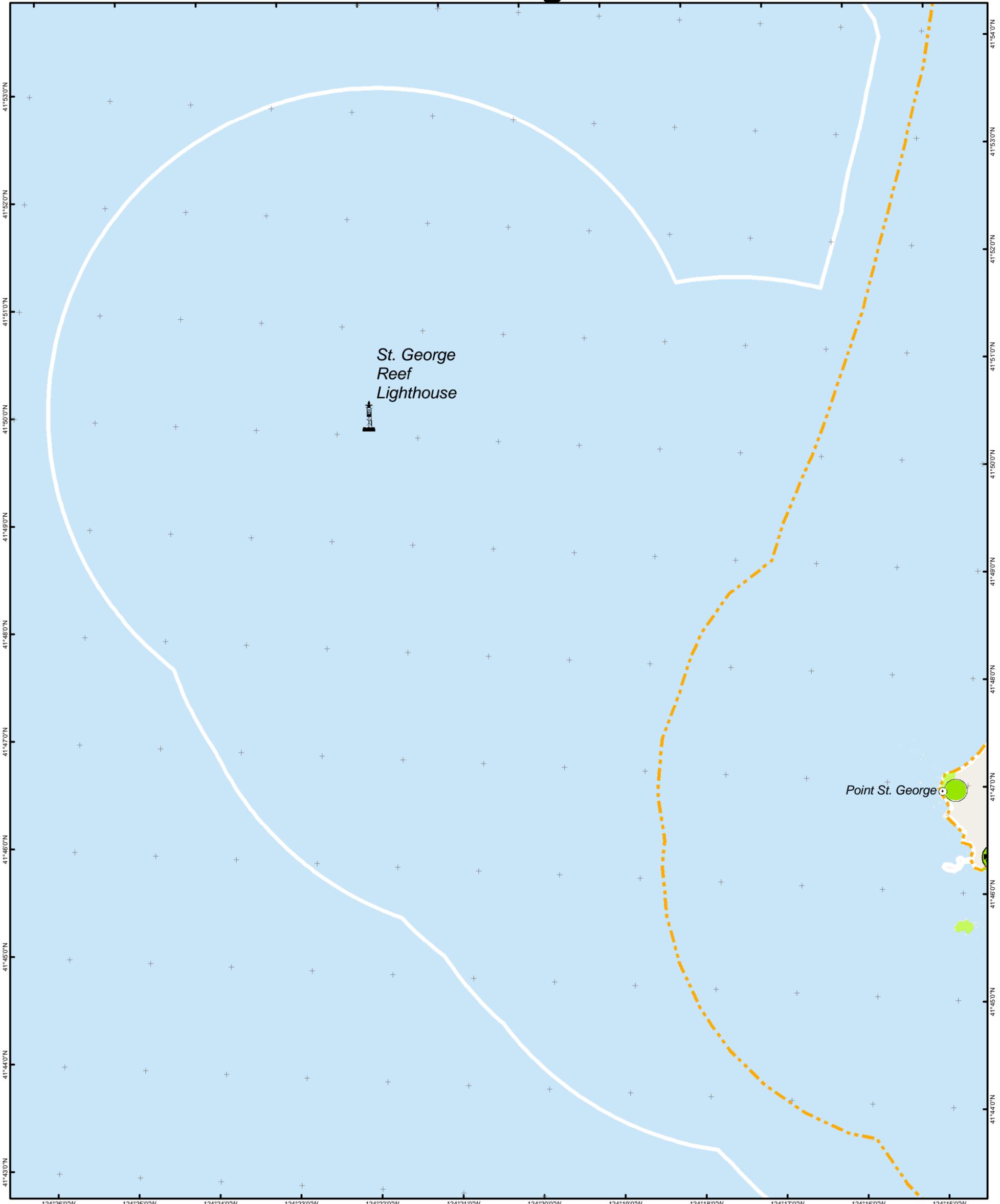
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Marine Life Protection Act Initiative
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		Terrestrial Managed Areas
Place Names		
	Roads	
		Marine Managed Areas
	Coastal Access Points	
		Kelp Bed Leases
	Existing State Marine Protected Areas	

California Locality

0 0.5 1 2 Nautical Miles
0 0.5 1 2 Statute Miles
0 0.5 1 2 Kilometers

1:63,360

Projection Information:
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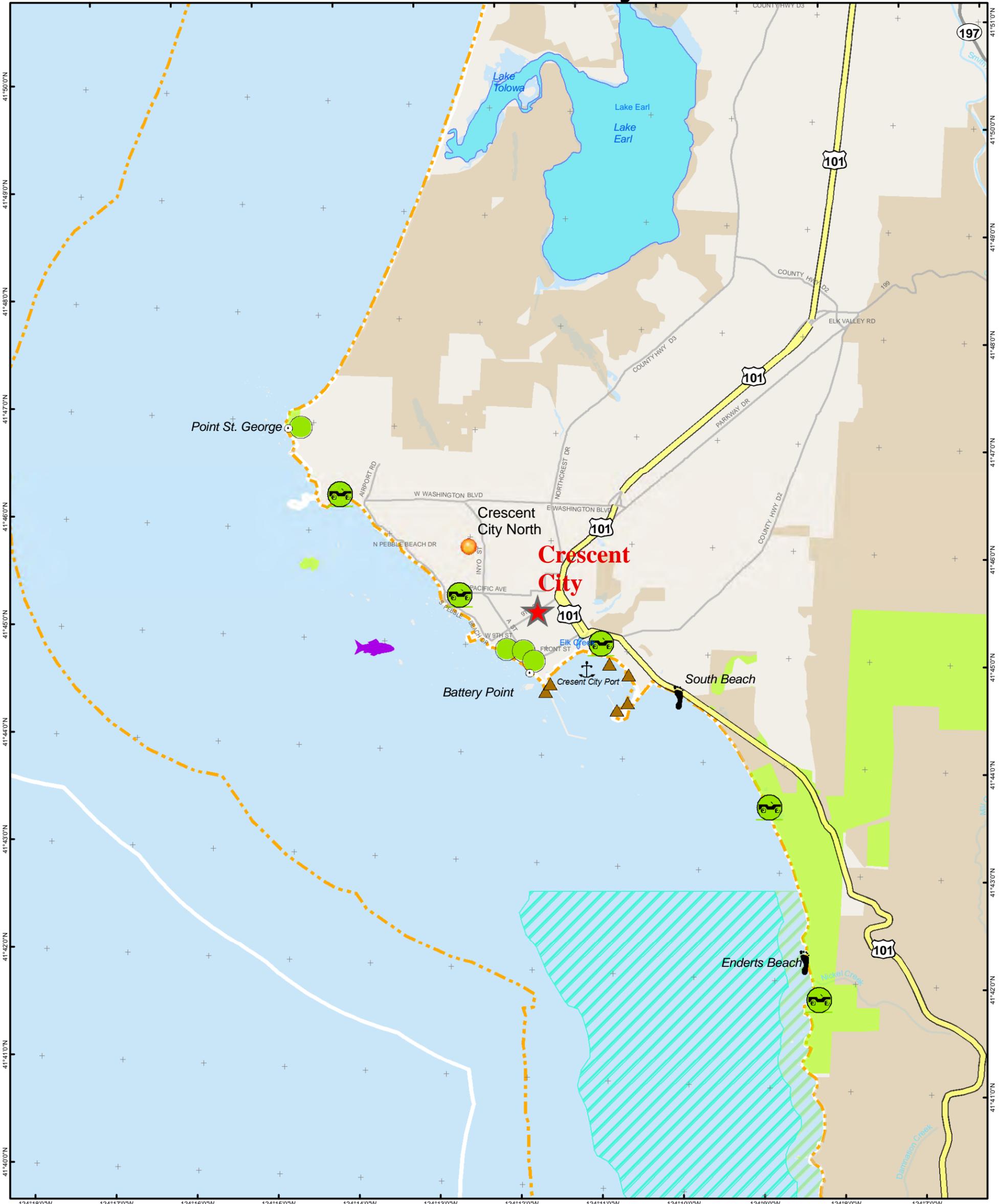
Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
North Coast Study Region

Depth Zones

- 0m-30m
- 30m-50m
- 50m-100m
- 100m-200m

Sheet Index



Study Region Boundary	Power Plants	Terrestrial Managed Areas
Place Names	Spearfish Competition Sites	State
Airport	Roads	Federal
Beach/Coastal Access	Major Roads	NGO
Coastal Point	State Highways	Marine Managed Areas
Lighthouse	US Highways	Areas of Special Biological Significance
Major City	Coastal Access Points	National Park
Town	Park/Reserve	Kelp Bed Leases
Ports	Path/Trail/Drive	Closed
Fishing Piers & Jetties	Physical Access	Lease Only
Shore Dive Locations	Visual Access	Aquaculture Leases
	Existing State Marine Protected Areas	Essential Fish Habitat Conservation Areas
	Existing State Marine Conservation Area (SMCA)	Proposed Hydrokinetic Projects
	Existing State Marine Reserve (SMR)	Rivers
		Estuaries

0 0.5 1 2 Nautical Miles
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0 0.5 1 2 Kilometers

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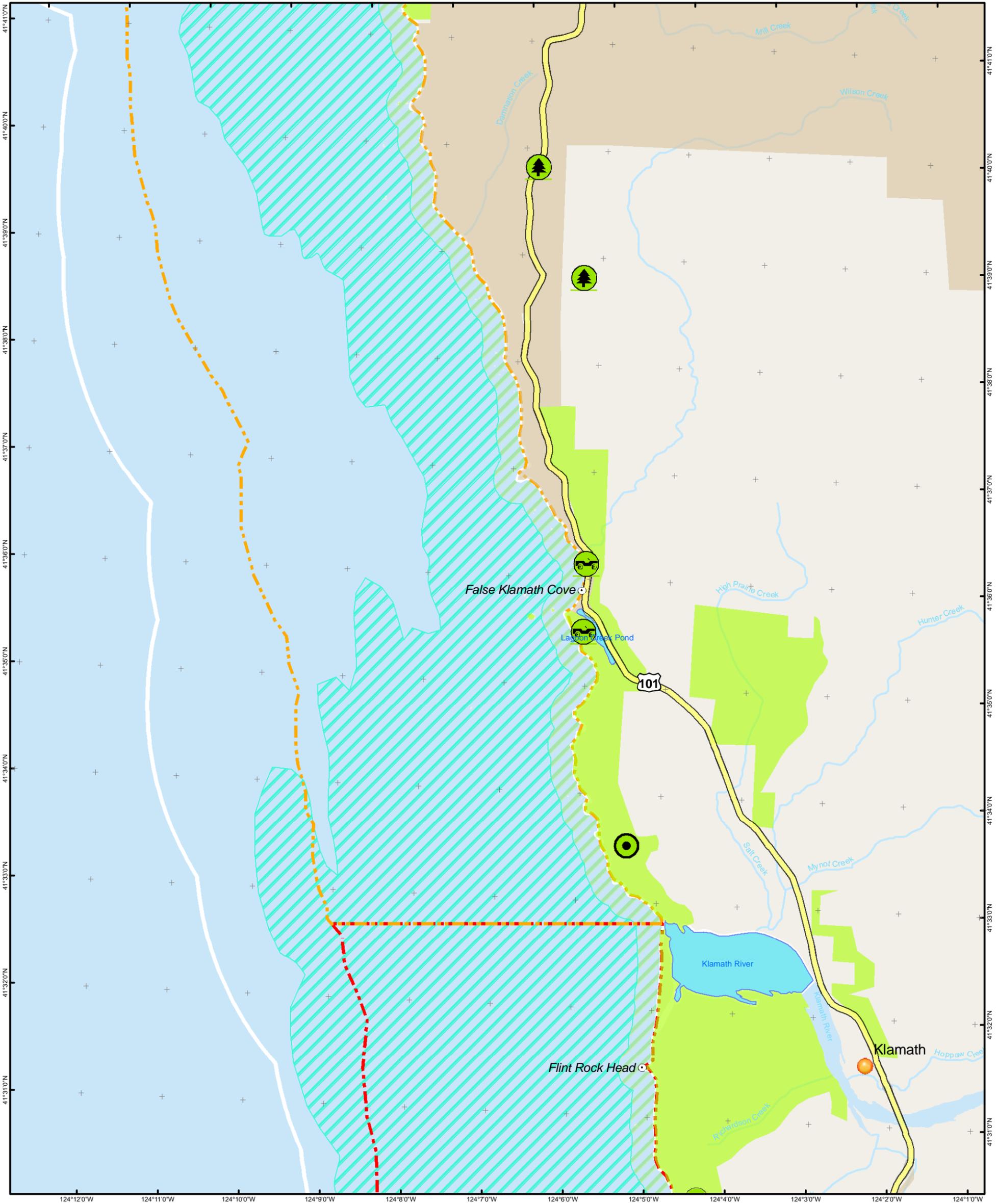
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- 50m-100m
- 100m-200m



		Terrestrial Managed Areas
Place Names		
		Marine Managed Areas
		Kelp Bed Leases
	Existing State Marine Protected Areas	

1 in = 1 Statute mile

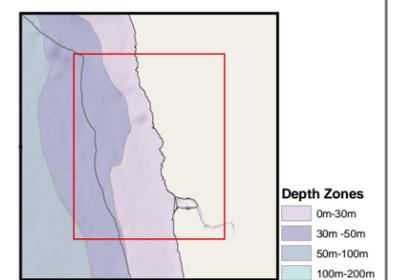
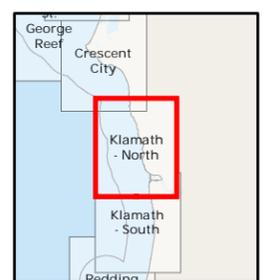
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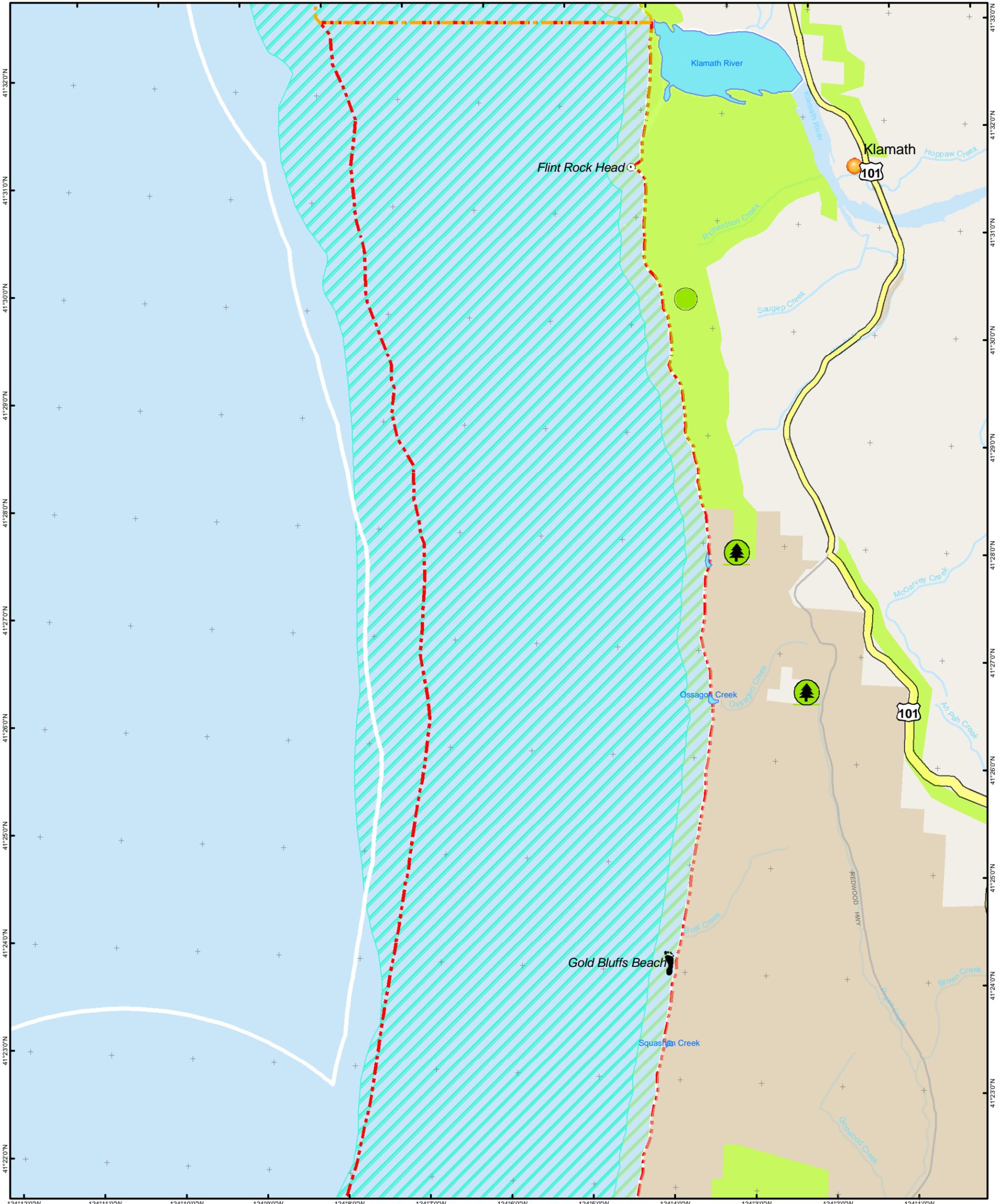
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
North Coast Study Region





		Terrestrial Managed Areas
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	Existing State Marine Protected Areas	

0 0.5 1 2 Nautical Miles
0 0.5 1 2 Statute Miles
0 0.5 1 2 Kilometers

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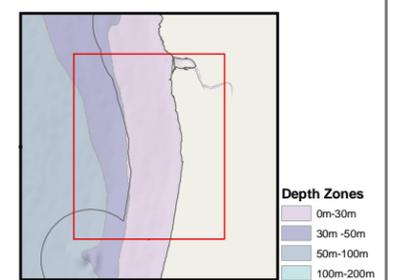
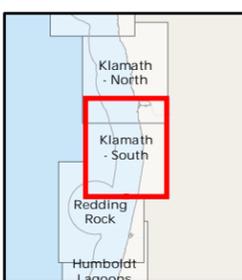
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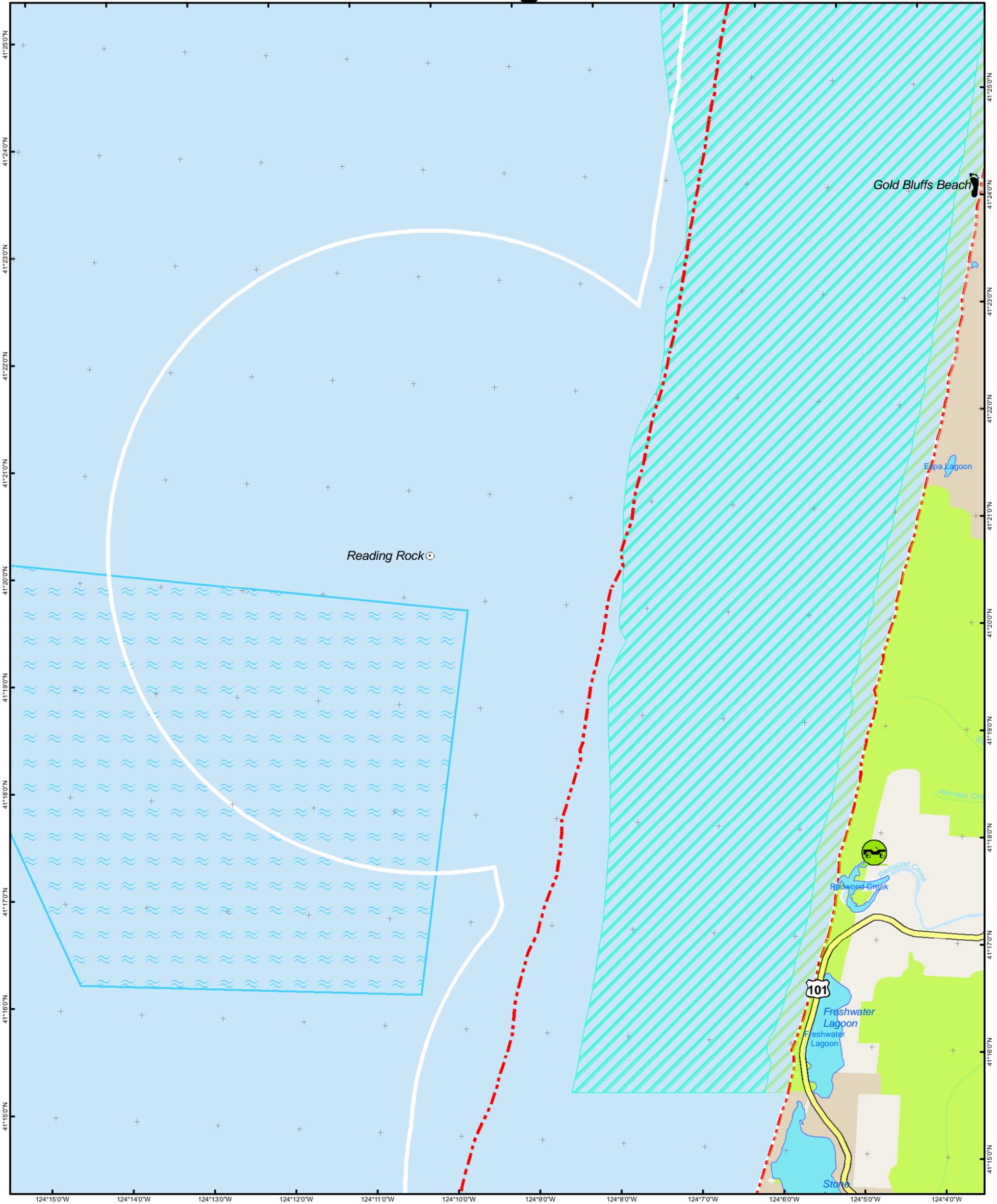
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
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California Locality

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0 0.5 1 2 Statute Miles
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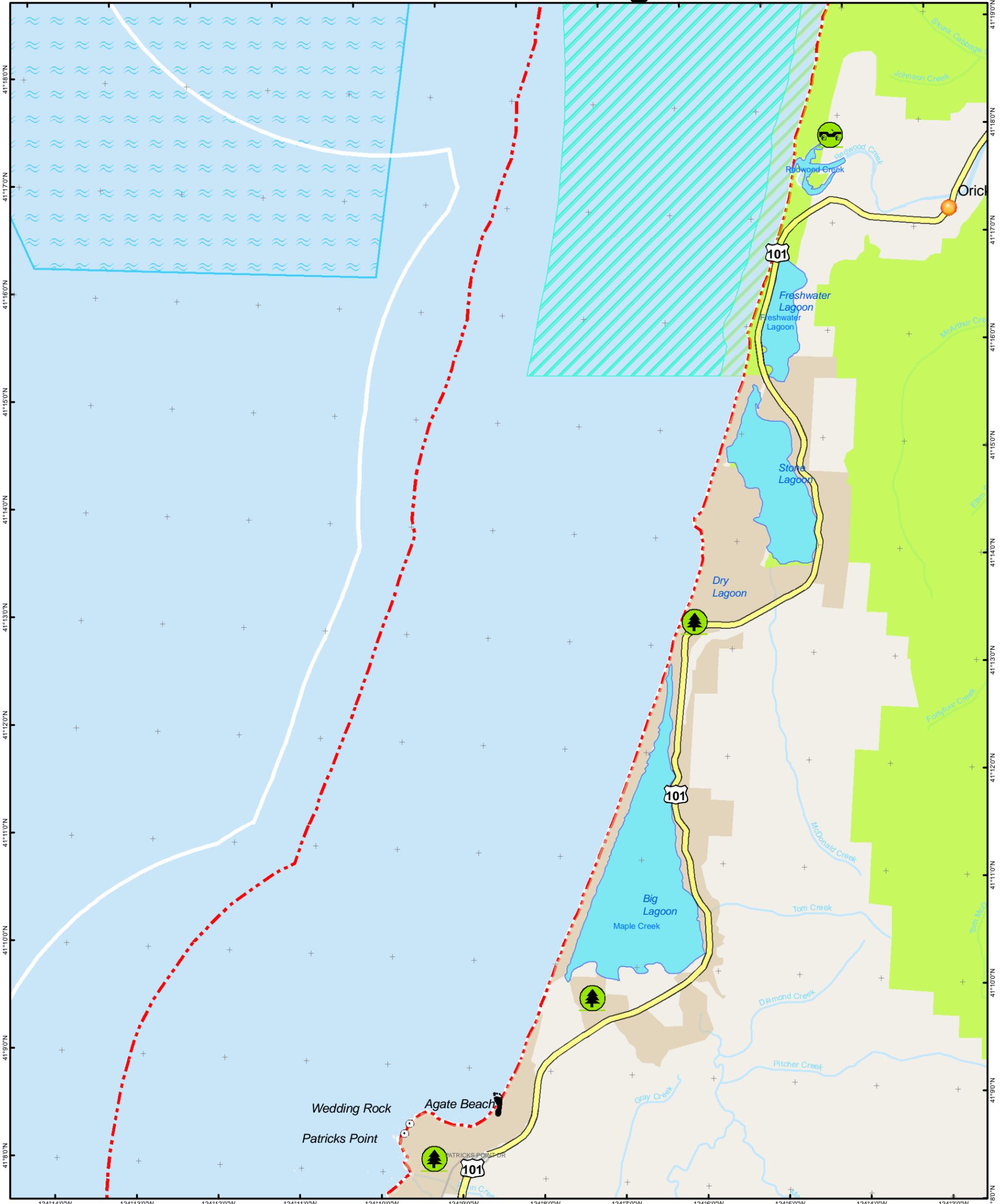
Marine Life Protection Act Initiative
North Coast Study Region

Depth Zones

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- 30m-50m
- 50m-100m
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Depth Zones



		Terrestrial Managed Areas
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0 0.5 1 2 Nautical Miles
0 0.5 1 2 Statute Miles
0 0.5 1 2 Kilometers

1:63,360

Projection Information:
California Teale Albers
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California Locality

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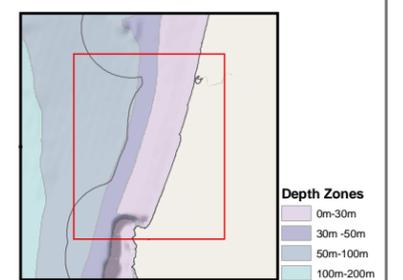
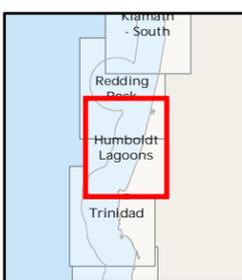
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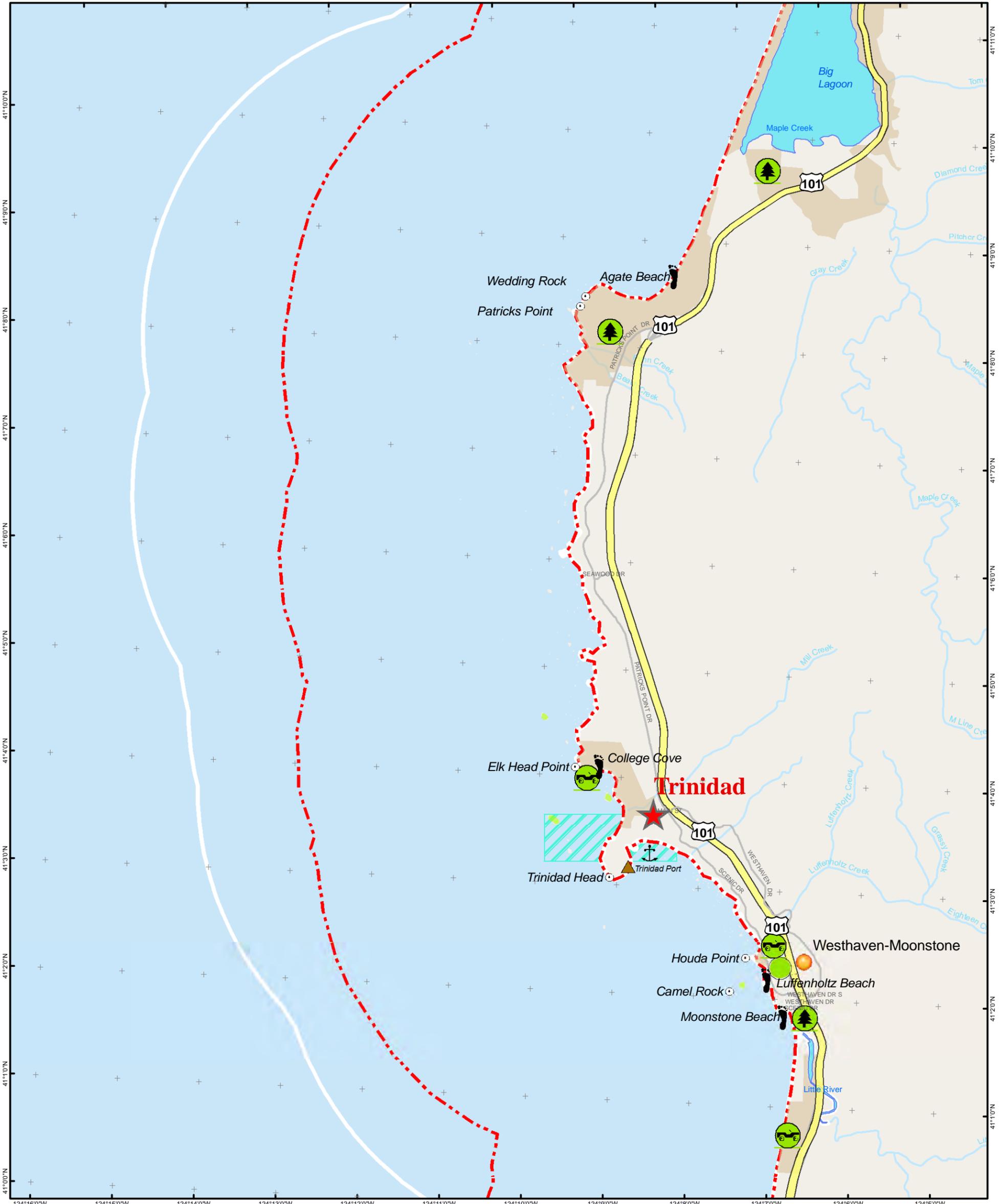
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
North Coast Study Region





		Terrestrial Managed Areas
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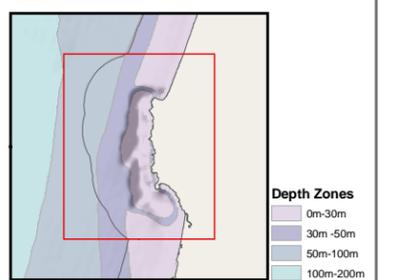
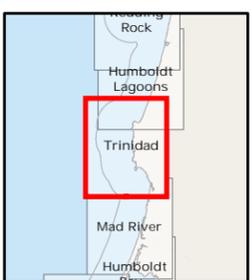
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
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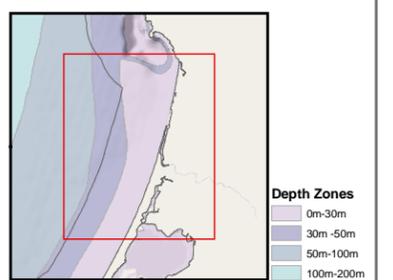
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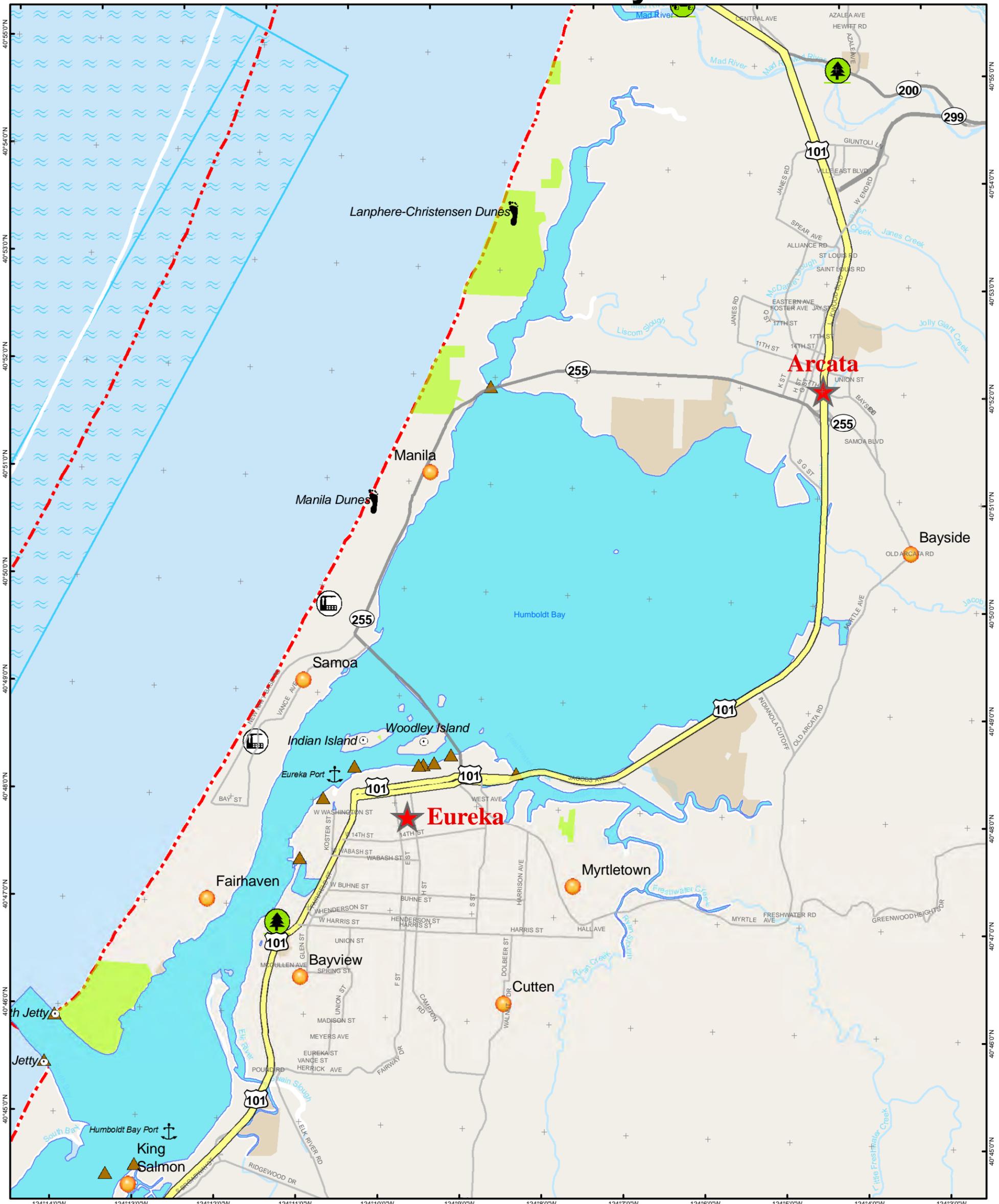
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Coastal Management & Human Uses Atlas

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0 0.5 1 2 Nautical Miles
0 0.5 1 2 Statute Miles

1:63,360

Projection Information:
California Teale Albers
Datum: North American 1983

California Locality

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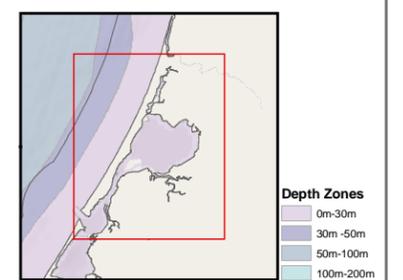
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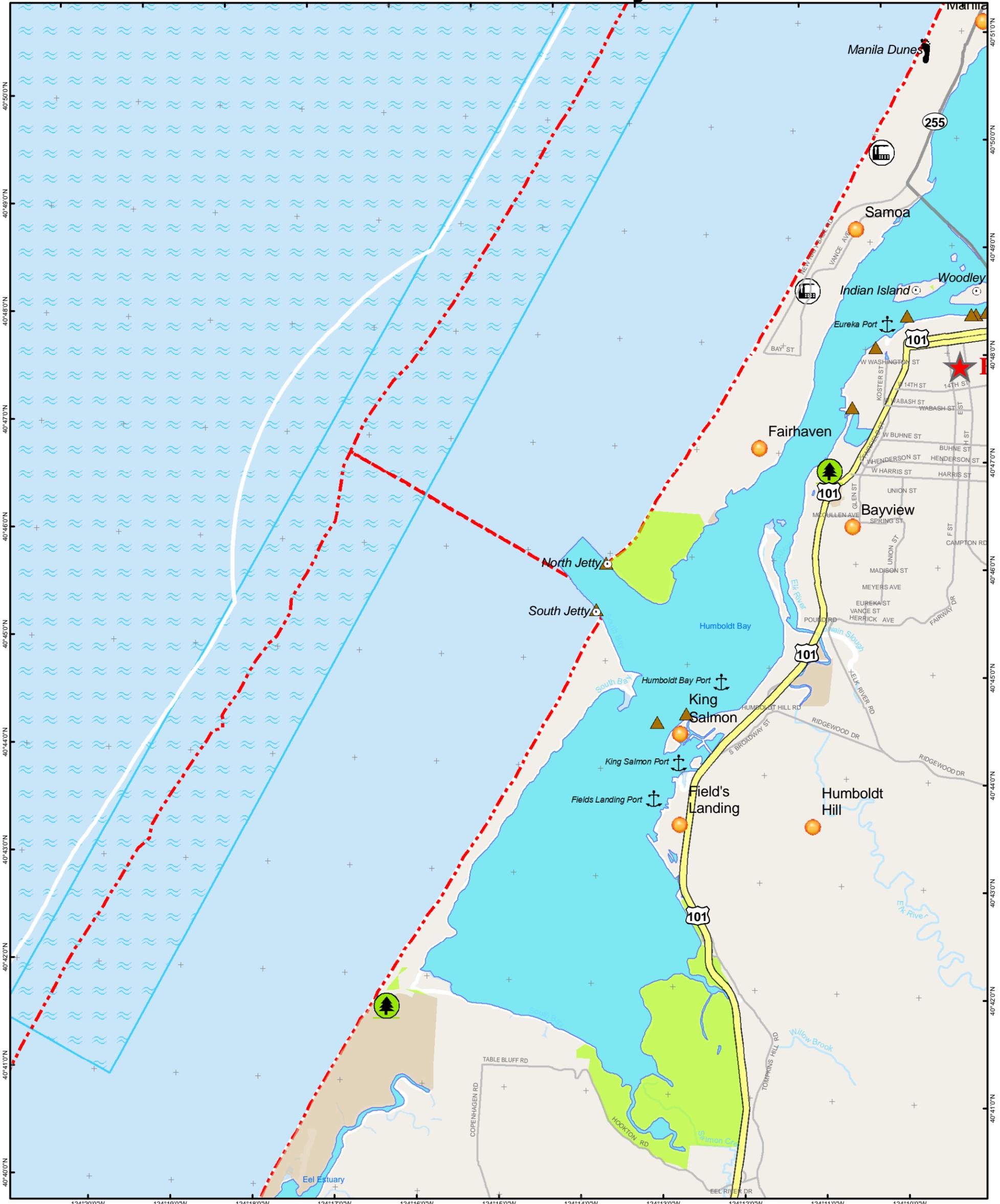
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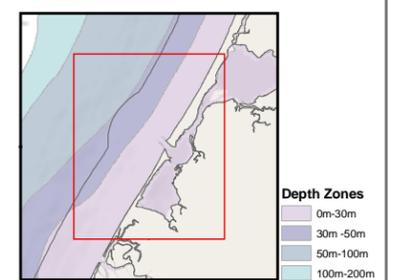
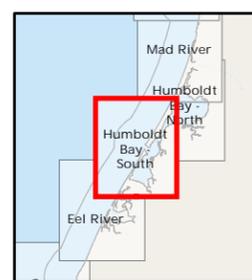
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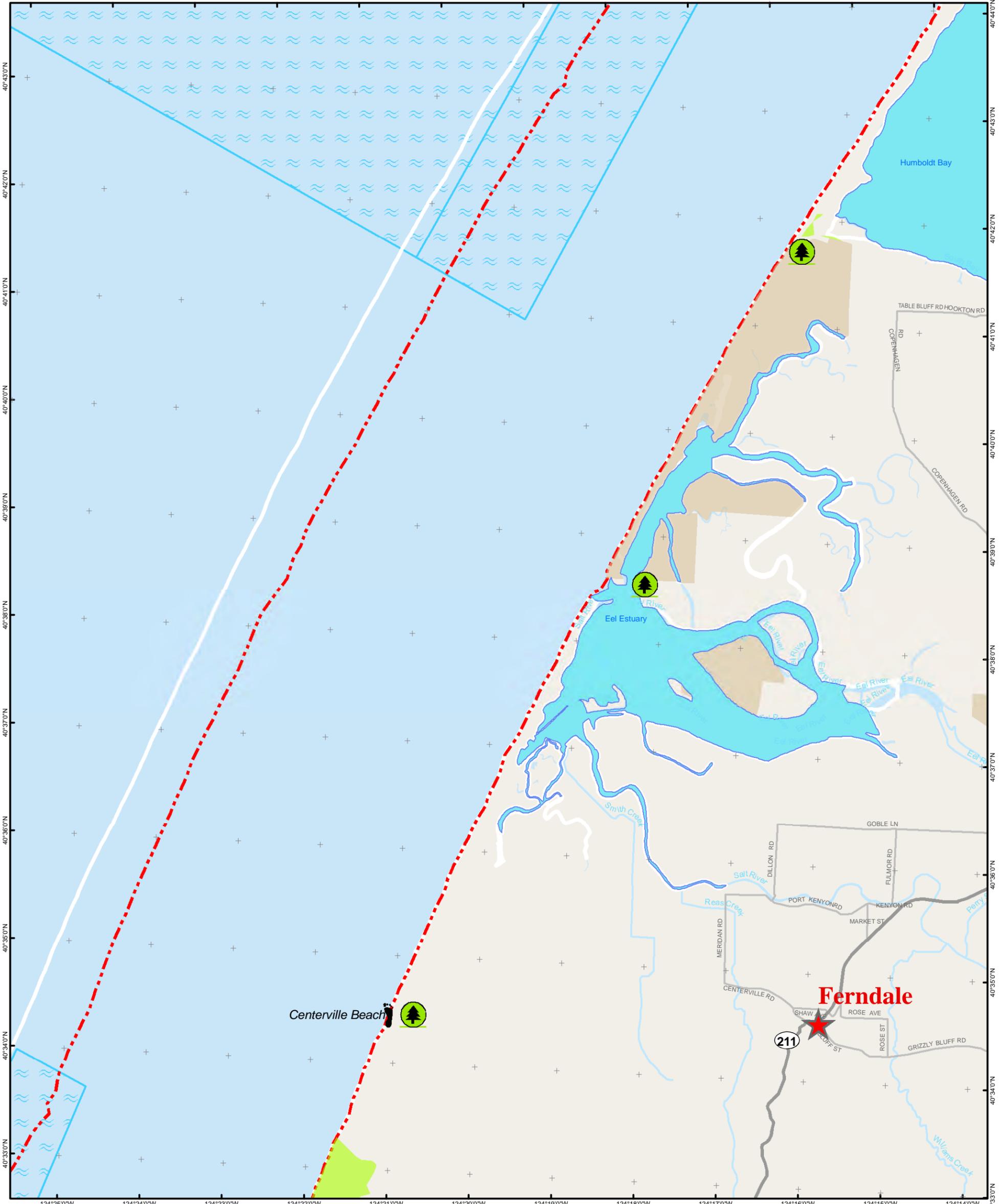
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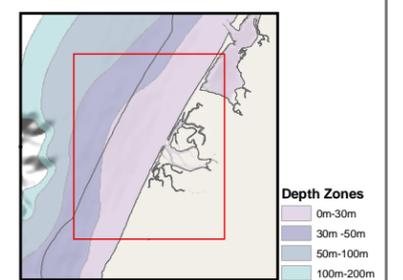
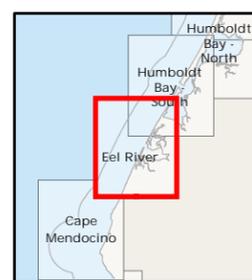
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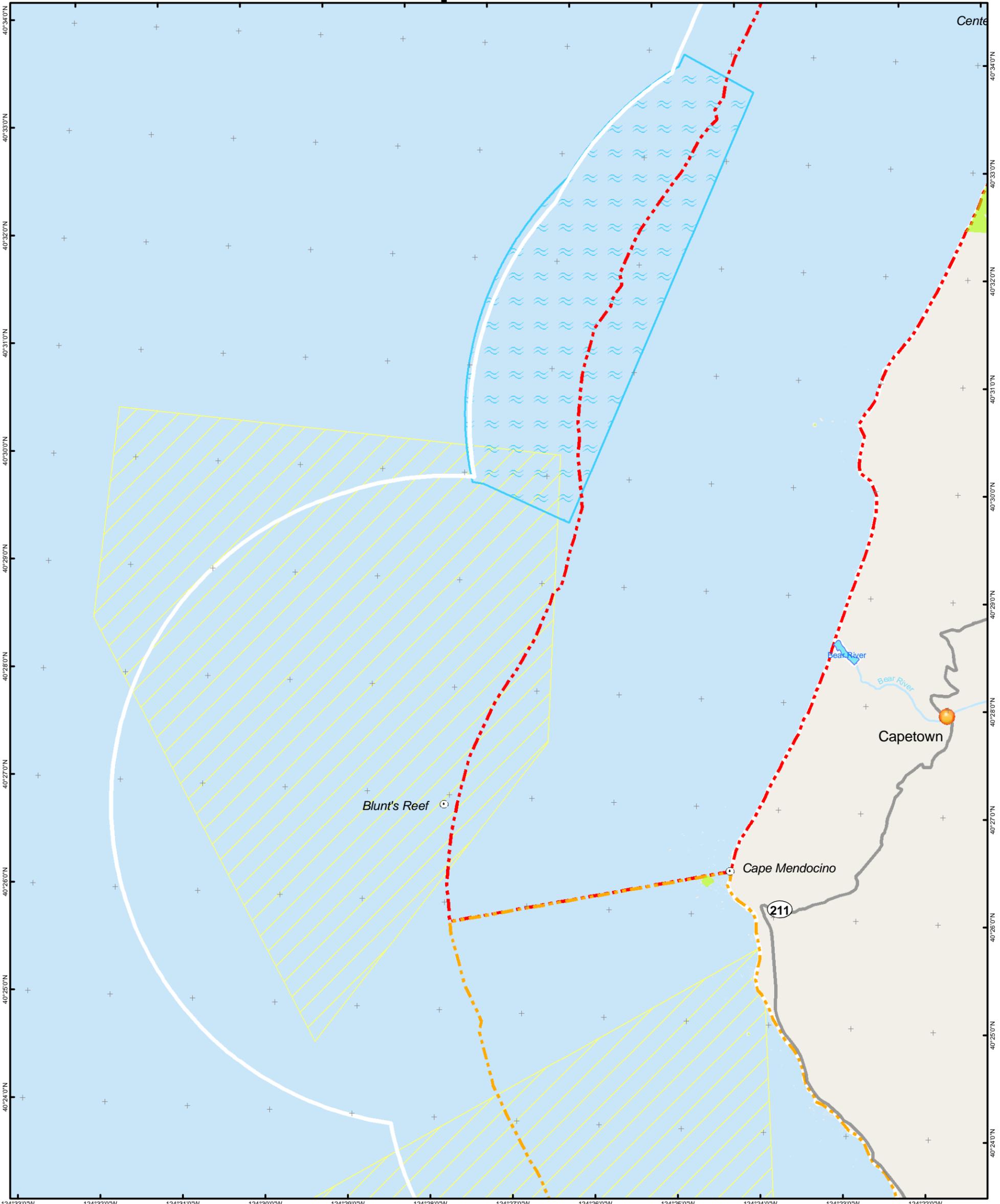
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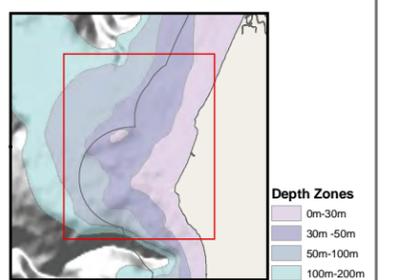
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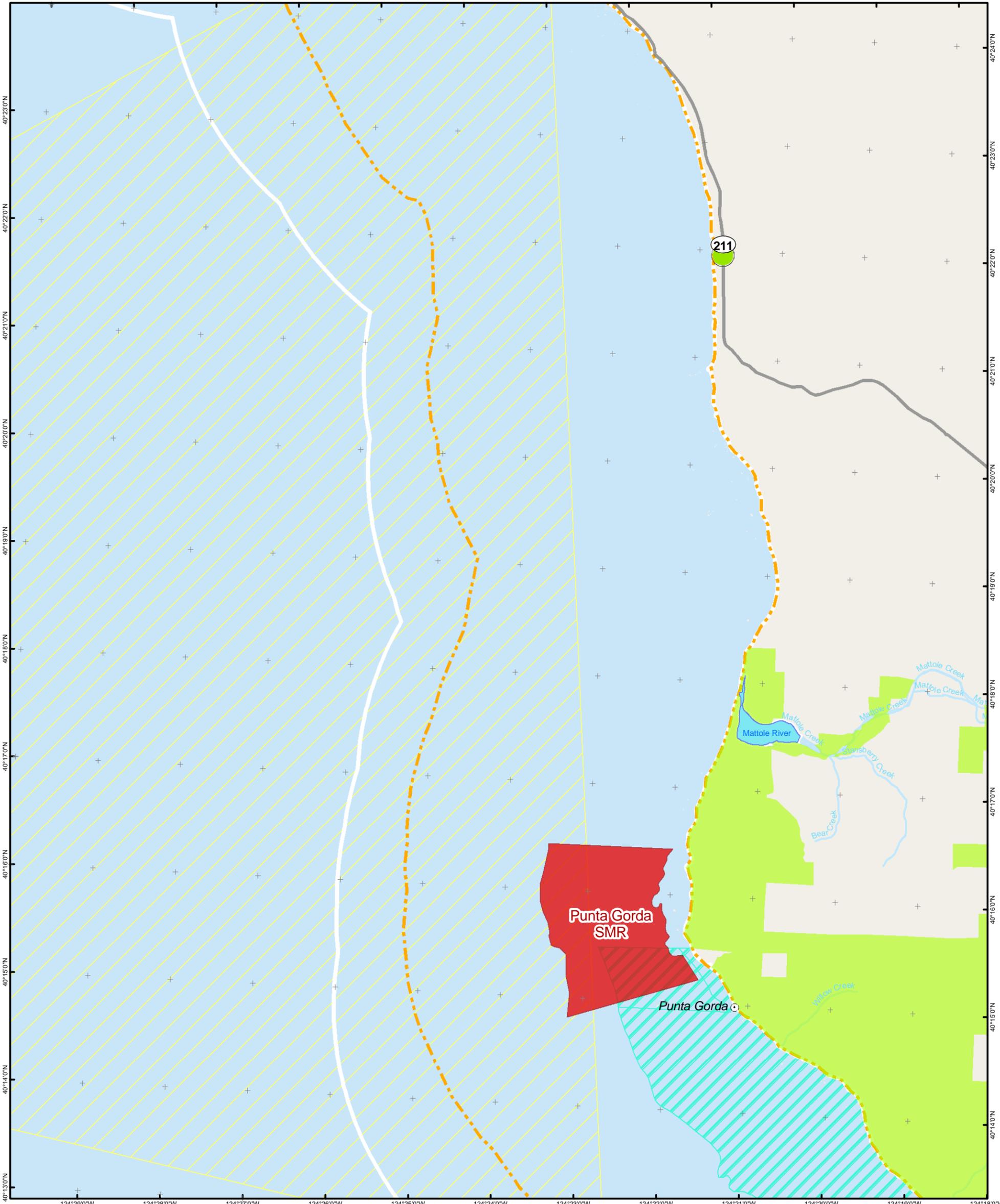
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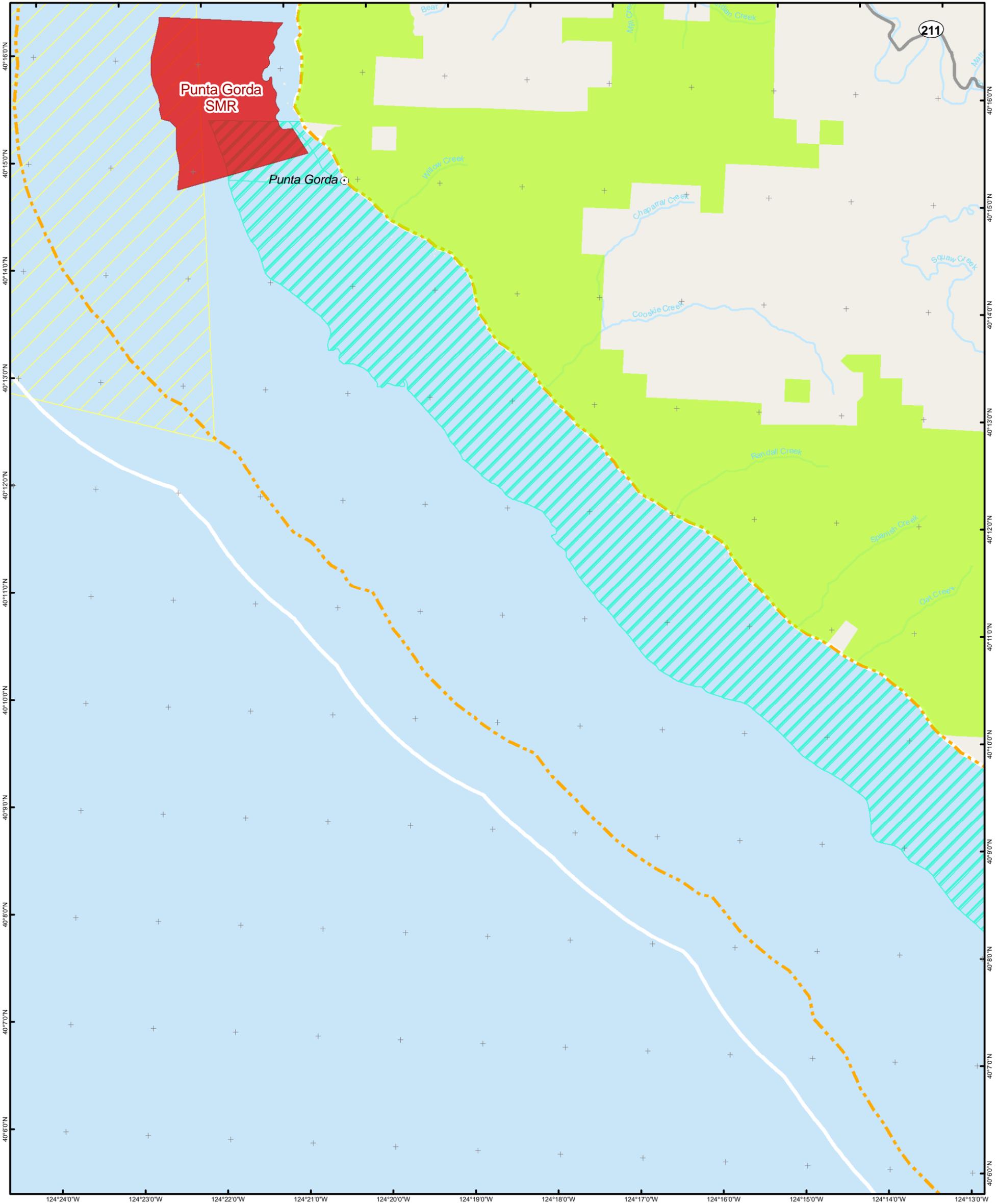
Coastal Management & Human Uses Atlas

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North Coast Study Region

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- 30m-50m
- 50m-100m
- 100m-200m



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Place Names		
	Roads	
		Marine Managed Areas
	Coastal Access Points	
		Kelp Bed Leases
	Existing State Marine Protected Areas	

0 0.5 1 2 Nautical Miles
0 0.5 1 2 Statute Miles
0 0.5 1 2 Kilometers

1 in = 1 Statute mile

Projection Information:
California Teale Albers
Datum: North American 1983

Disclaimer
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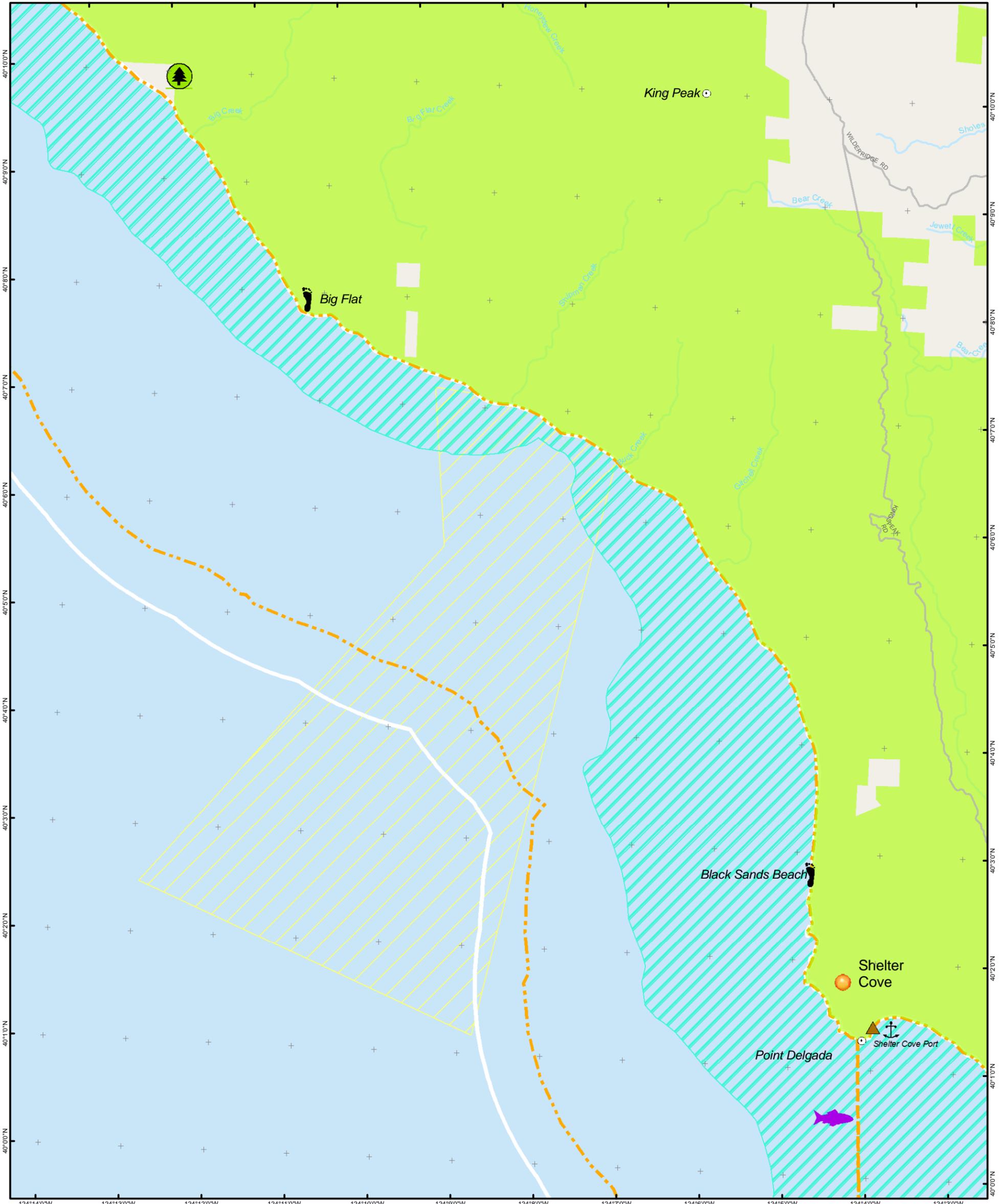
Frequency of update
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
North Coast Study Region

Depth Zones

- 0m-30m
- 30m-50m
- 50m-100m
- 100m-200m



		Terrestrial Managed Areas
Place Names		
	Roads	
		Marine Managed Areas
	Coastal Access Points	
		Kelp Bed Leases
	Existing State Marine Protected Areas	

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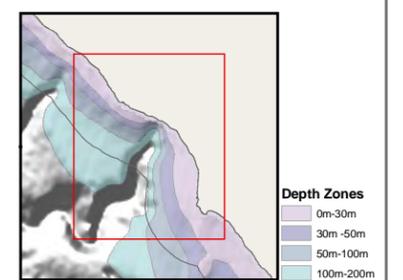
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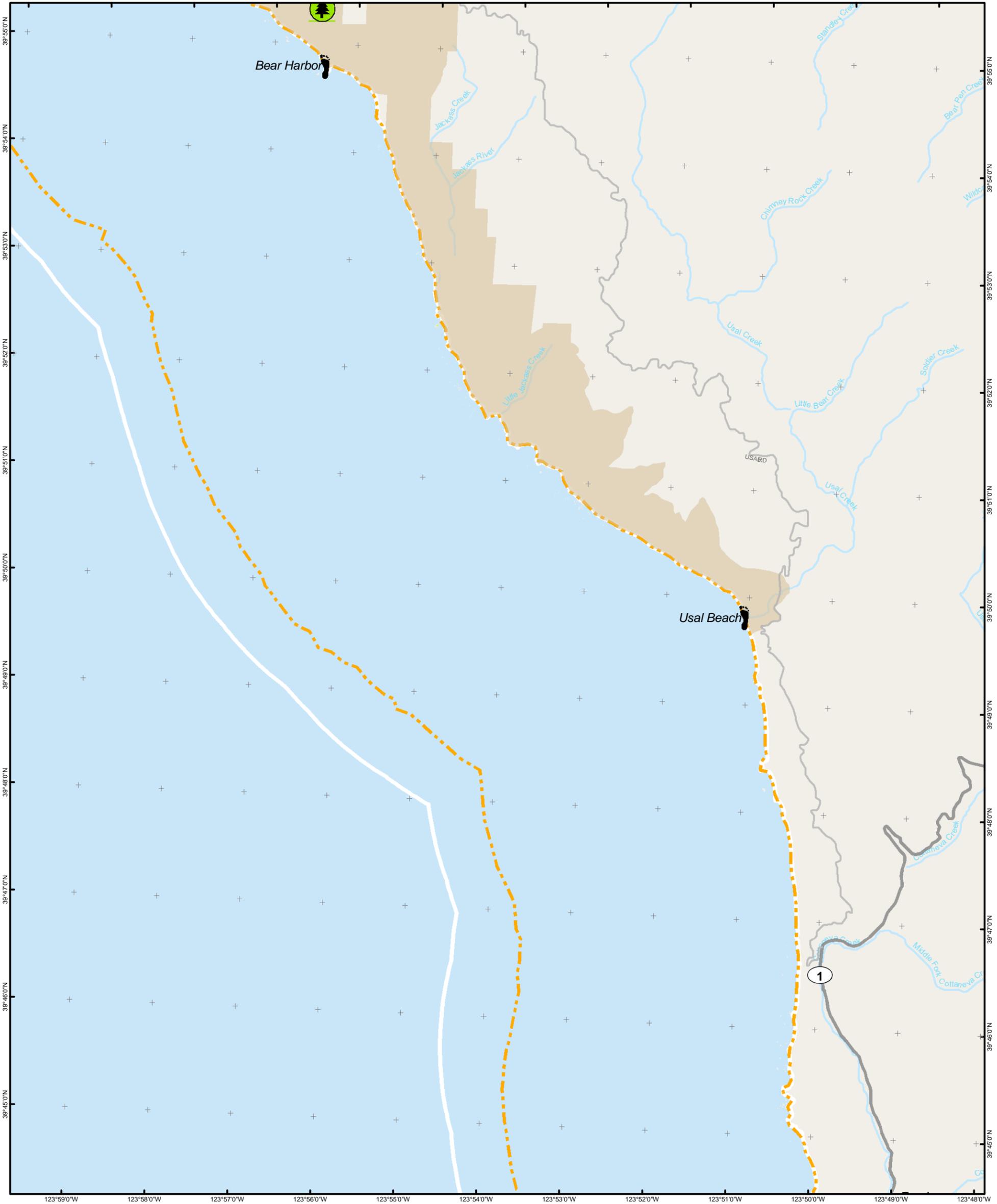
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
North Coast Study Region





Study Region Boundary	Power Plants	Terrestrial Managed Areas
Place Names	Spearfish Competition Sites	State
Airport	Roads	Federal
Beach/Coastal Access	Major Roads	NGO
Coastal Point	State Highways	Marine Managed Areas
Lighthouse	US Highways	Areas of Special Biological Significance
Major City	Coastal Access Points	National Park
Town	Park/Reserve	Kelp Bed Leases
Ports	Path/Trail/Drive	Closed
Fishing Piers & Jetties	Physical Access	Lease Only
Shore Dive Locations	Visual Access	Aquaculture Leases
	Existing State Marine Protected Areas	Essential Fish Habitat Conservation Areas
	Existing State Marine Conservation Area (SMCA)	Proposed Hydrokinetic Projects
	Existing State Marine Reserve (SMR)	Rivers
		Estuaries

0 0.5 1 2 Nautical Miles
 0 0.5 1 2 Statute Miles
 0 0.5 1 2 Kilometers

1:63,360

Projection Information:
 California Teale Albers
 Datum: North American 1983

California Locality

1 in = 1 Statute mile

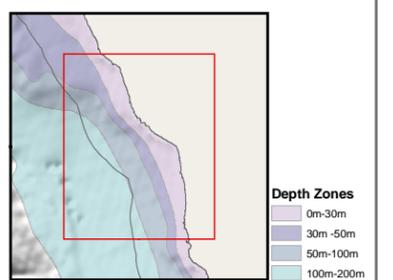
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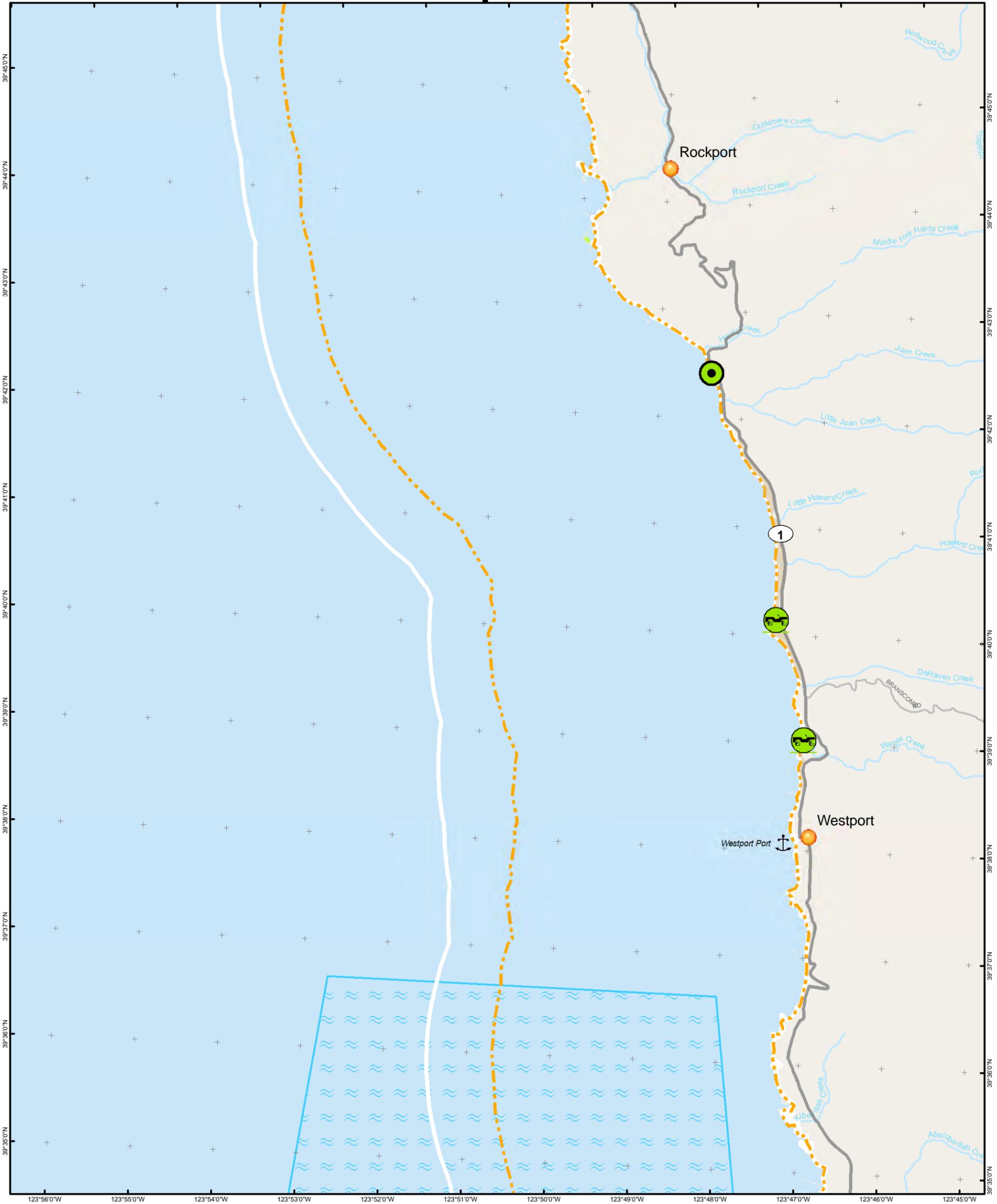
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
 North Coast Study Region





Study Region Boundary	Power Plants	Terrestrial Managed Areas
Airport	Spearfish Competition Sites	State
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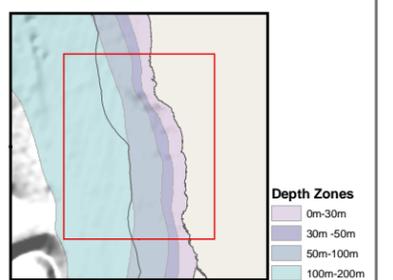
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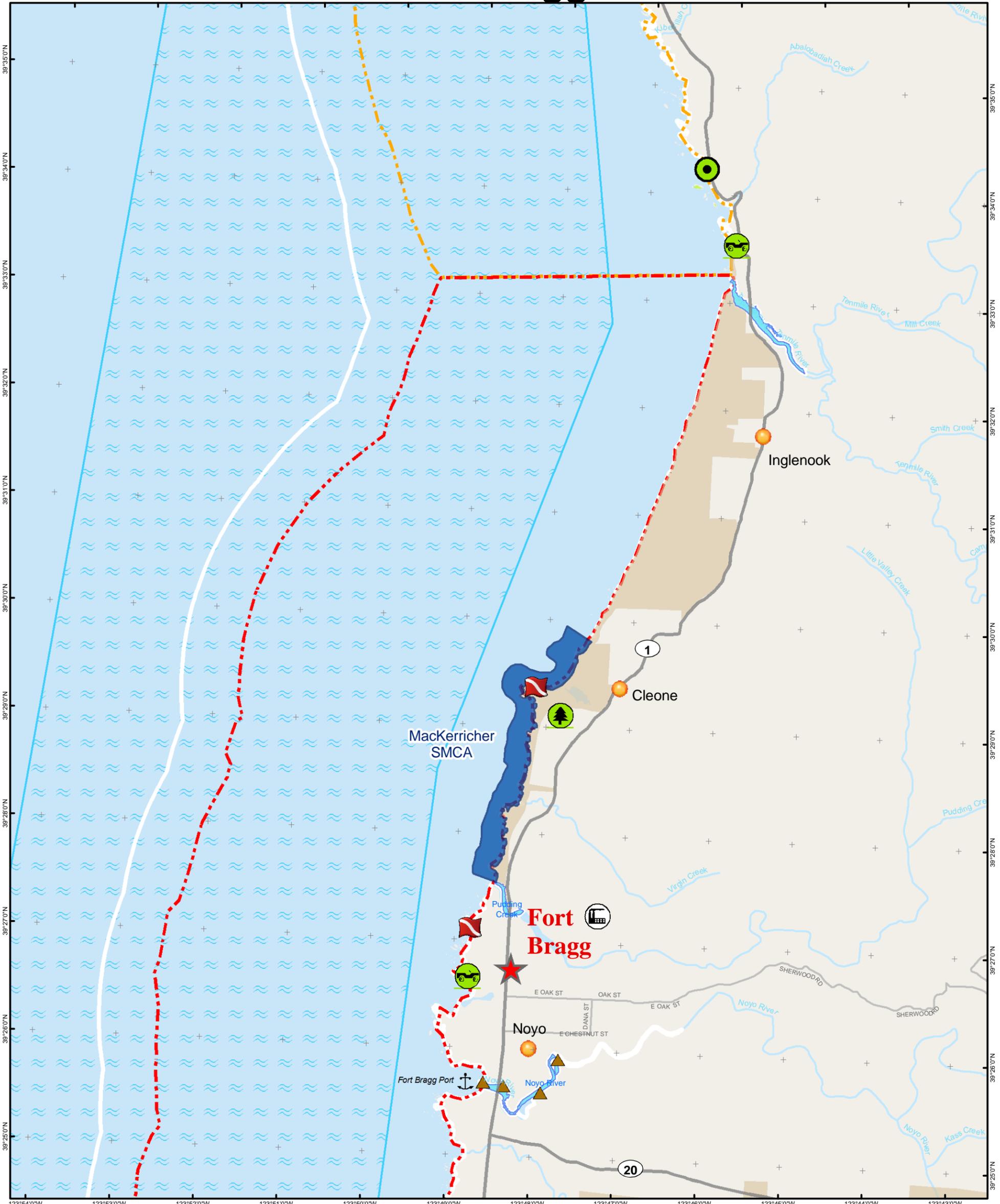
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
 North Coast Study Region





		Terrestrial Managed Areas
Place Names		
		Marine Managed Areas
		Kelp Bed Leases

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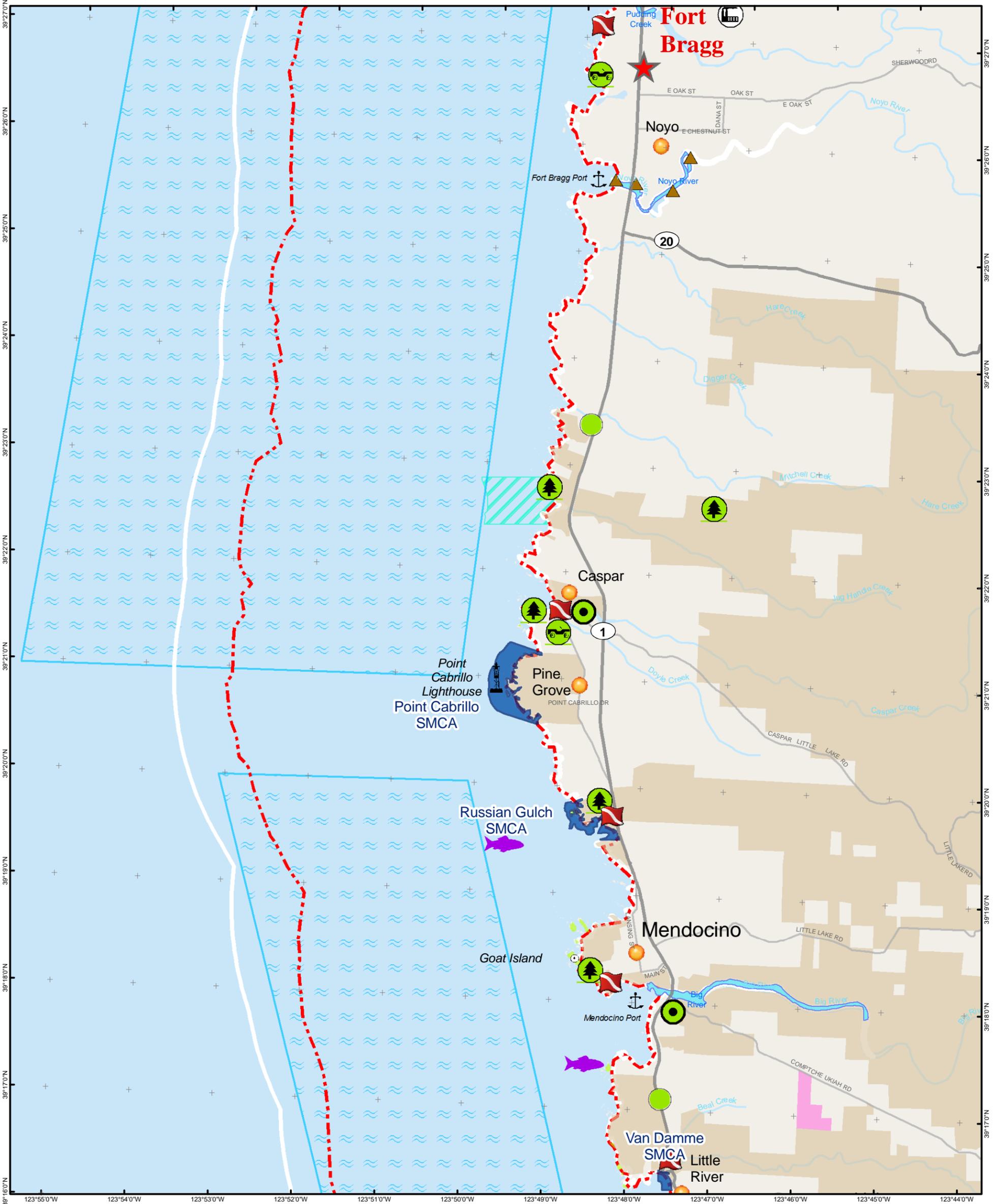
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
 North Coast Study Region

Sheet Index
 Westport
 Fort Bragg
 Mendocino

Depth Zones
 0m-30m
 30m-50m
 50m-100m
 100m-200m



		Terrestrial Managed Areas
Place Names		
		Marine Managed Areas
		Kelp Bed Leases

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1:63,360

Projection Information:
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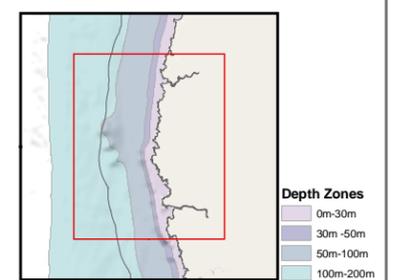
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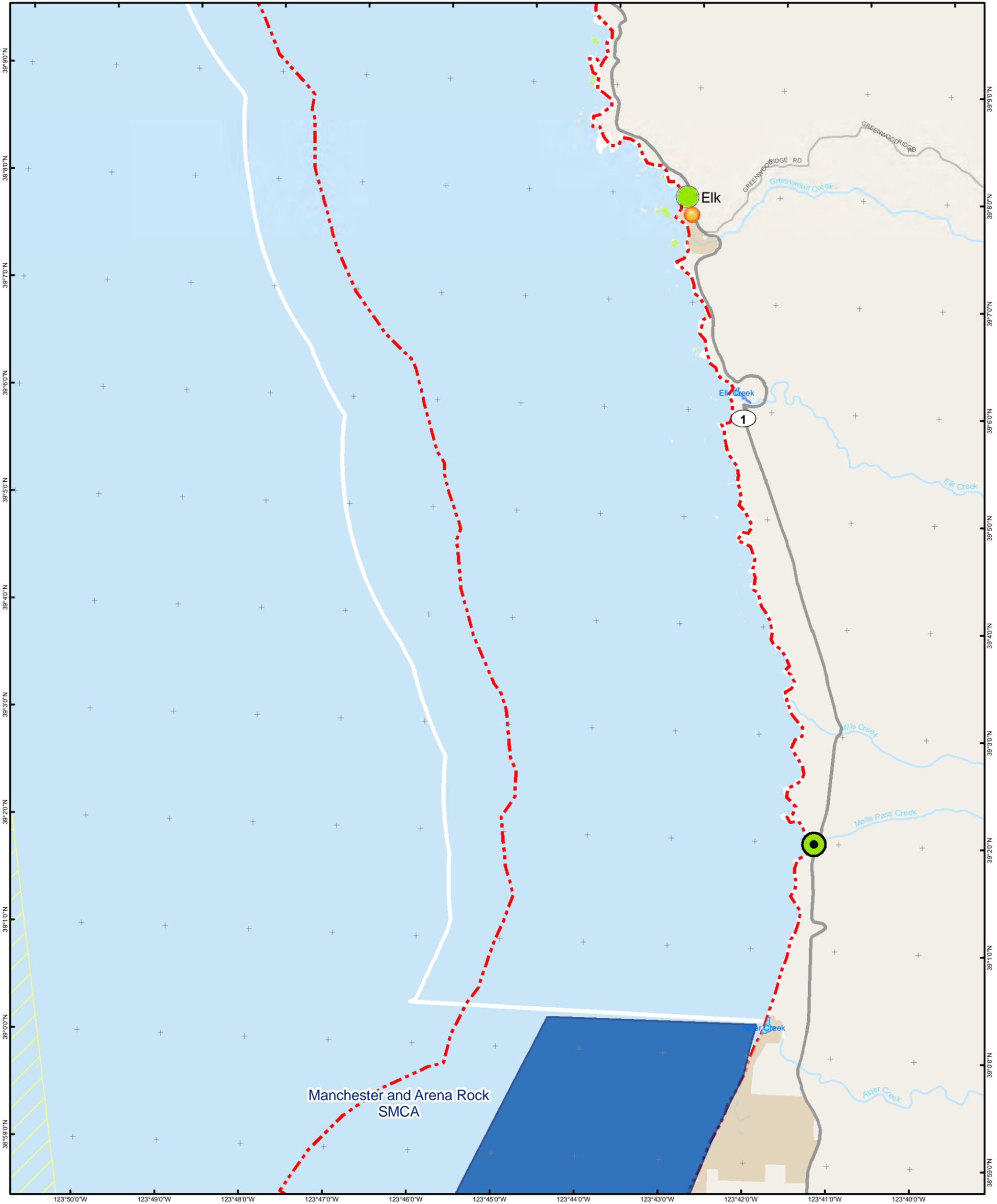
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Coastal Management & Human Uses Atlas

Marine Life Protection Act Initiative
North Coast Study Region





		Terrestrial Managed Areas
Place Names		
		Marine Managed Areas
		Kelp Bed Leases

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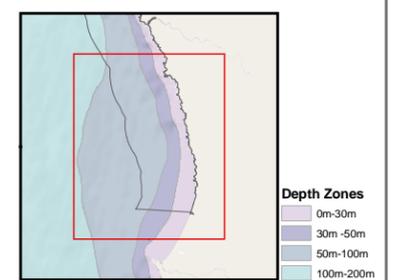
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North Coast Study Region



Appendix A - Metadata

Layer Names	Disclaimer	Source
Aquaculture Leases	This layer is considered draft and is subject to change.	California Department of Fish and Game
Coastal Access Points	Access points on this map are based on information from the California Coastal Commission and do not represent a comprehensive list of access points in the study region.	California Coastal Commission
Essential Fish Habitat Conservation Areas	These data depict Essential Fish Habitat (EFH) conservation areas off Washington, Oregon, and California. The coordinate locations are from NMFS' Final Rule to implement Amendment 19 to the Pacific Coast Groundfish Fishery Management Plan (71 FR 27408; May 11, 2006). In order to minimize to the extent practicable adverse effects from fishing, the final rule prohibits fishing with various gear types within these areas. Consult the text of the final rule for specific details about each area and the management measures. The prohibitions are listed in Section 660.306 and the official coordinates are listed in Sections 660.397, 660.398, and 660.399 of the final rule.	NOAA, National Marine Fisheries Service
Existing State Marine Protected Areas	These boundaries were developed using legal definitions of California marine protected areas found in Title 14, California Code of Regulations, Section 632(b). The boundaries described are solely intended as a visual representation of the areas included and do not replace or supercede the legal definitions.	California Department of Fish and Game
Fishing Piers And Jetties	Man made survey sites queried from the California Recreational Fisheries Survey (CRFS) Sites database.	Pacific States Marine Fisheries Commission - California Recreational Fisheries Survey
Kelp Bed Leases	Kelp beds along the coast of California are a critical habitat for many important sport and commercial species of invertebrates and fishes. Title 14, California Code of Regulations, designates 87 "Administrative Kelp Beds" (hereinafter kelp beds) for the purposes of managing commercial kelp harvest. The 87 kelp beds extend from the U.S.A.-Mexico International Boundary to the California-Oregon Boundary. They also surround the following islands, Anacapa, San Clemente, San Miguel, San Nicolas, Santa Barbara, Santa Catalina, Santa Cruz and Santa Rosa. Kelp beds may be leased by individual harvesters for the right to exclusively take kelp. Certain kelp beds are designated in Title 14 as unavailable for lease, or open to harvest by any licensed commercial harvester. Other beds are designated as closed to harvest.	California Department of Fish and Game
Marine Managed Areas	Existing marine and coastal managed areas include mapped spatial regulations other than state marine protected areas. Further spatial information on these areas will be included in subsequent versions of this document. Information on aquaculture depicted on this map is not comprehensive.	California Department of Fish and Game
Ports & Harbors	Coastal ports used by marine fisheries for the landing and sale of fish and invertebrates.	California Department of Fish and Game
Power Plants	This layer is considered draft and is subject to change.	California Energy Commission 2004 (updates pending)
Proposed Hydrokinetic Projects (Wave Farms)	Project area polygons were created based on applicants narrative descriptions.	National Marine Fisheries Service
Shore Dive Locations	Shore dive locations for the NCSR obtained from www.shorediving.com .	Shore Dive Locations - www.shorediving.com
Spearfish Competition Sites	These locations show specific dive sites along the California coast as used by the Central California Diving Council (CenCal) for freedive spearfishing competitions.	Central California Diving Council
Terrestrial Managed Areas	A 1:100,000 polygon features class representing public, conservation and trust land ownership in the state of California. Developed for the California Resources Agency's Legacy Project, this dataset depicts ownership features as submitted by major public, trust, and non-profit groups in the state. PCTL04_1 is an update to the Legacy Project's PCTL03_1a geographic dataset, which was built upon a prior effort by the USBR to map public lands. Contributors to past datasets were contacted with requests for any updated lands. Agencies that had ownership changes or boundary adjustments were BLM (including NPS, USBR, and SLC), USFWS, CDFG, CDF, and CDPR. Major changes for the PCTL04_1 update included changes in data supplied by BLM. The changes were due to the agency's switch to a GCBD-based PLS. There were also improvements made to NPS boundaries from a joint effort between NPS and BLM. Changes in USFWS lands were primarily due to re-coding of ownership status. CDF and CDFG also had minor changes.	California Resources Agency Legacy Project