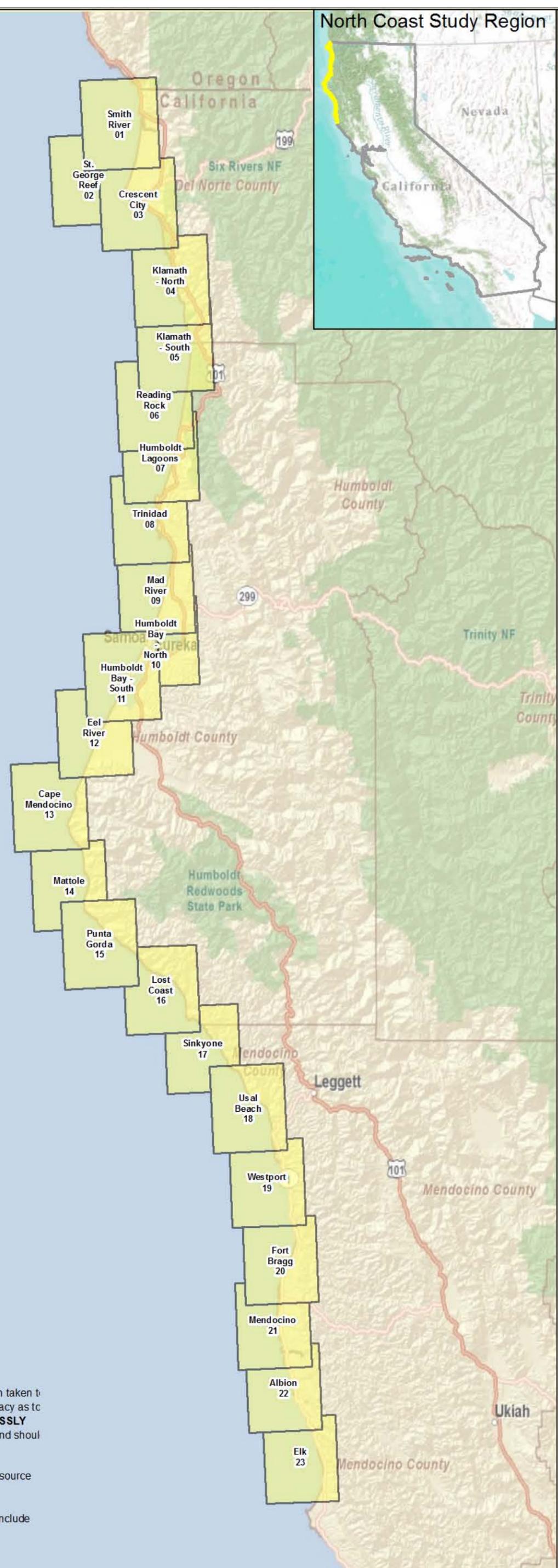


Coastal Management & Human Uses Atlas

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.

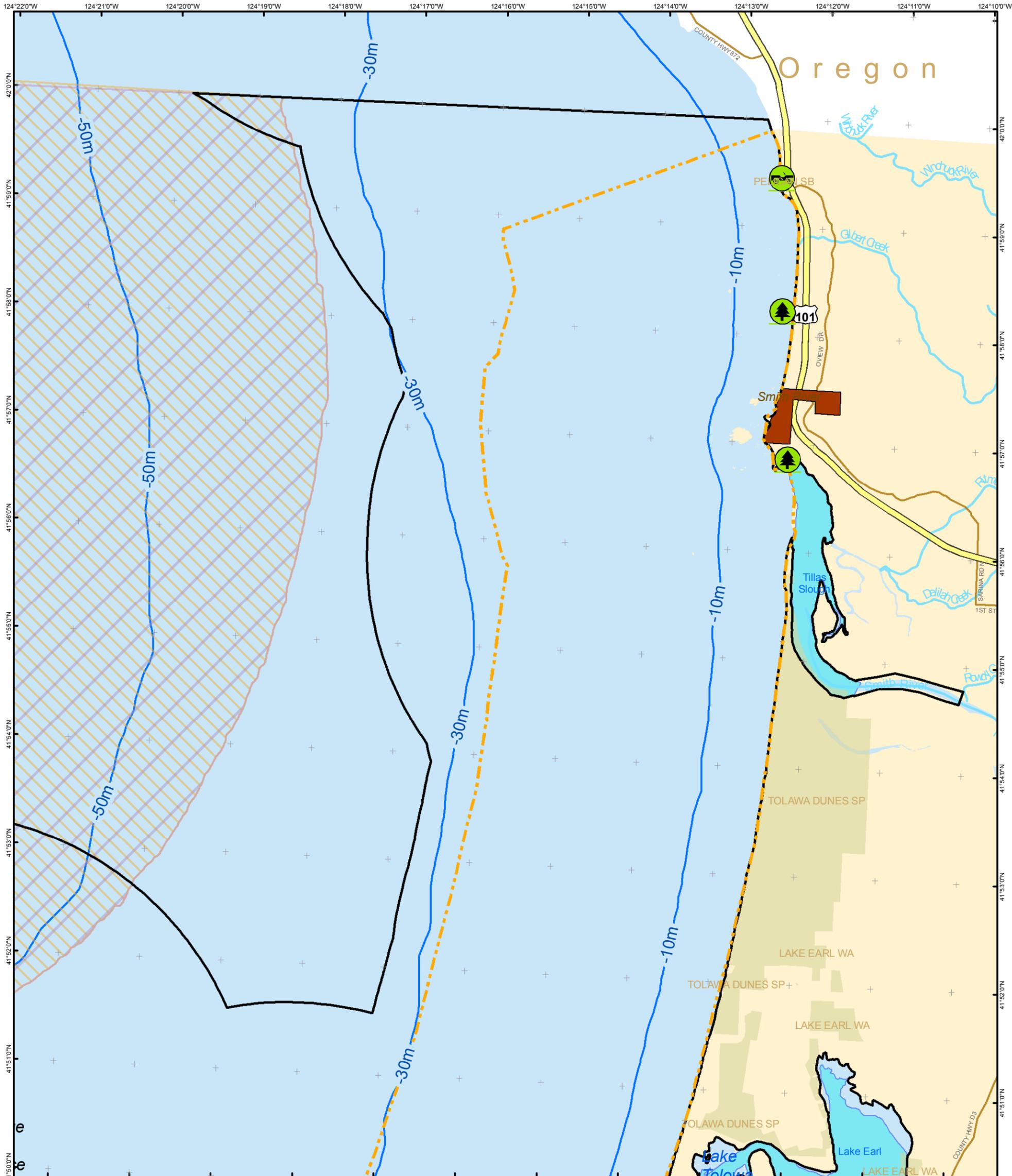
| Page Number | Sheet Name |
|-------------|----------------------|
| 1 | Smith River |
| 2 | St. George Reef |
| 3 | Crescent City |
| 4 | Klamath - North |
| 5 | Klamath - South |
| 6 | Reading Rock |
| 7 | Humboldt Lagoons |
| 8 | Trinidad |
| 9 | Mad River |
| 10 | Humboldt Bay - North |
| 11 | Humboldt 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 |



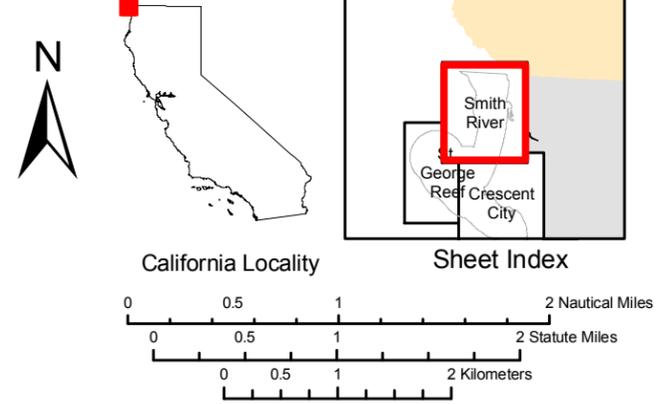
Disclaimer
The data available on these maps or map series have been tested for accuracy, and every effort has been taken to ensure that these data are timely, accurate and reliable. However no guarantee or warranty to their accuracy as to labeling, dimensions, or placement, or location of any features contained herein. **ALL DATA ARE EXPRESSLY PROVIDED AS IS AND WITH ALL FAULTS.** These maps are intended for informational purposes only and should not be considered authoritative for biological, navigational, legal and other site-specific uses.

Data Sources
Data represented on this map have been acquired from various data sources, for full descriptions of data source and additional notes for individual layers refer to the "Appendix A - Metadata"

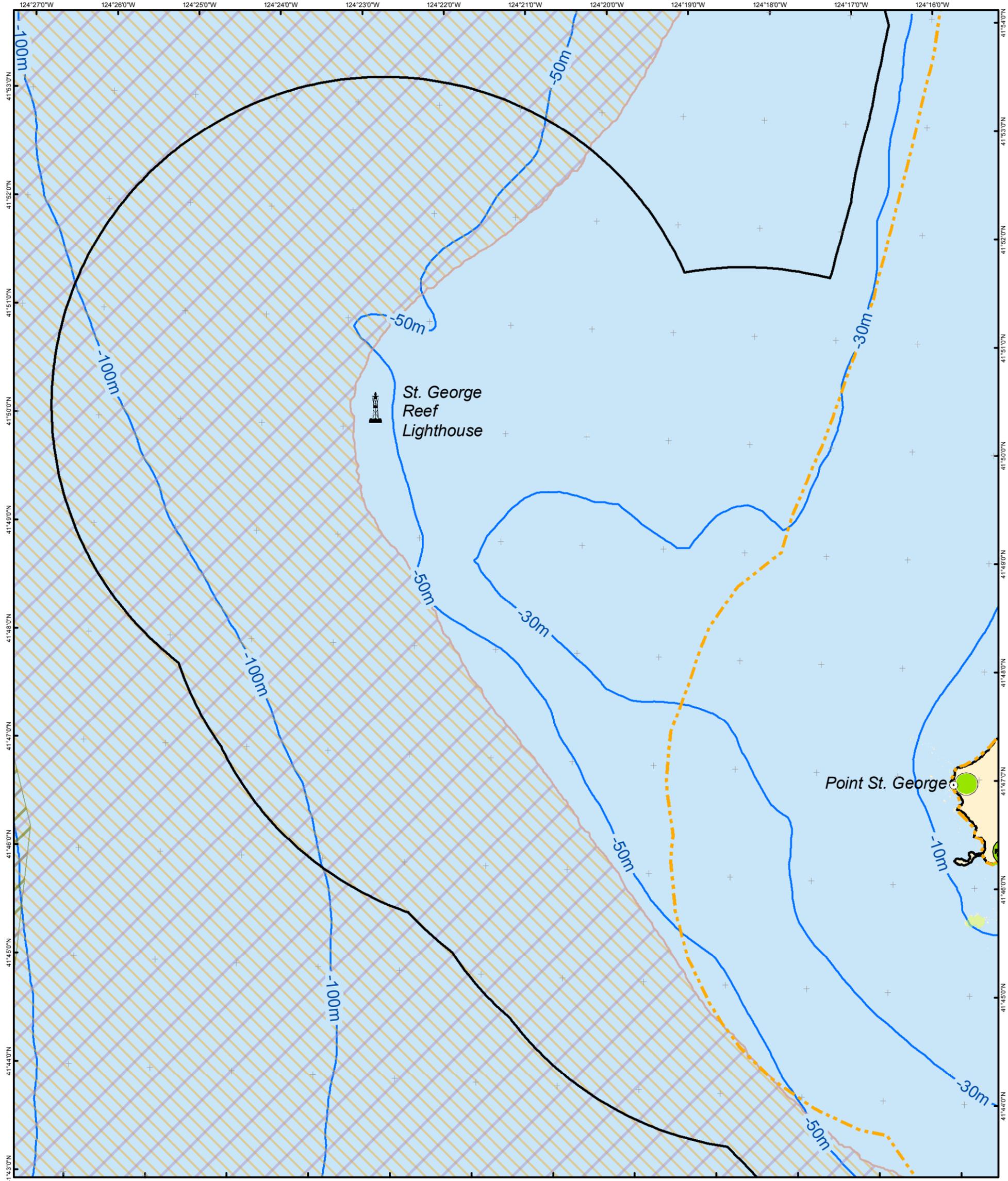
Frequency of update
Data layers included in these maps are considered final at time of mapping. Every effort will be made to include revisions to data in successive versions of these maps. For most up to date layers please visit <http://northcoast.marinemap.org/marinemap/>



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1:63,360
1 in = 1 Statute Mile
Coastal Management & Human Uses Atlas
Map Sheet No:01 Page No:



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| Study Region Boundary | Coastal Access Points | Kelp Bed Leases | Terrestrial Managed Areas |
| Landmarks | Park/Reserve | Closed | State |
| Airport | Path/Trail/Drive | Lease Only | Federal |
| Beach /Coastal Access | Physical Access | Marine Managed Areas | Non-governmental organization |
| Lighthouse | Visual Access | Areas of Special Biological Significance | Existing State Marine Protected Areas |
| Major City | Ports | National Park | State Marine Conservation Area |
| Town | Wastewater Discharge | Proposed Hydrokinetic Projects | State Marine Reserve |
| Coastal Point | Cooling Water | Aquaculture Leases | Rockfish Conservation Areas (RCA) |
| Fishing Piers & Jetties | Municipal Wastewater Discharge | Essential Fish Habitat Coservation Areas | Non-Groundfish - Year Round (2009-2010) |
| Spearfish Competition Sites | Industrial Wastewater Discharge | Tribal Lands | Commercial Non-Trawl - Year Round (2009-2010) |
| Power Plants | | Government | Commercial Trawl - Year Round (2009-2010) |
| | | Rancheria | Recreational - Year Round (2009-2010) |
| | | Reservation | Roads |
| | | Village | Major Roads |
| | | | State Highways |
| | | | US Highways |

California Locality

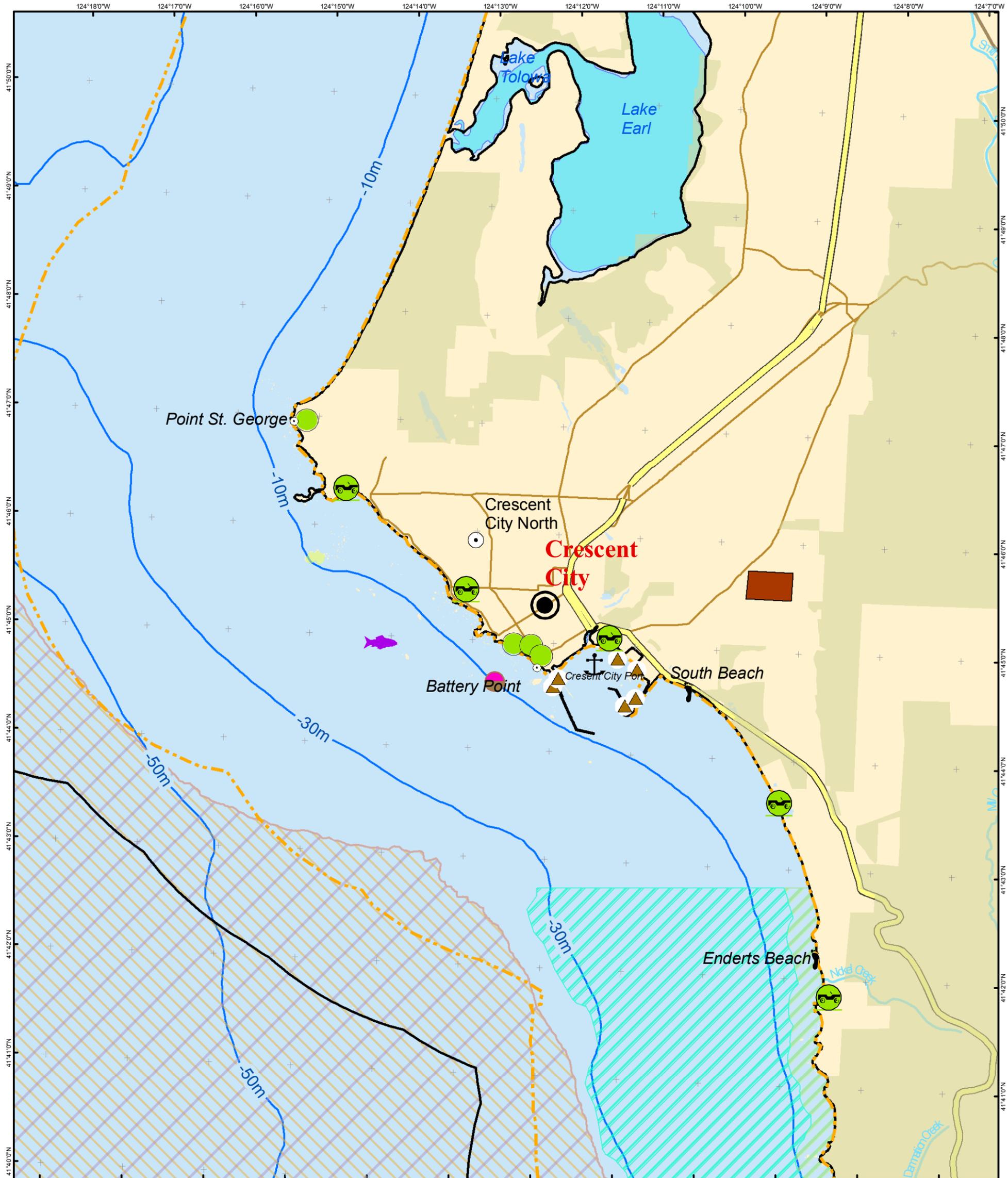
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1 in = 1 Statute Mile

Coastal Management & Human Uses Atlas

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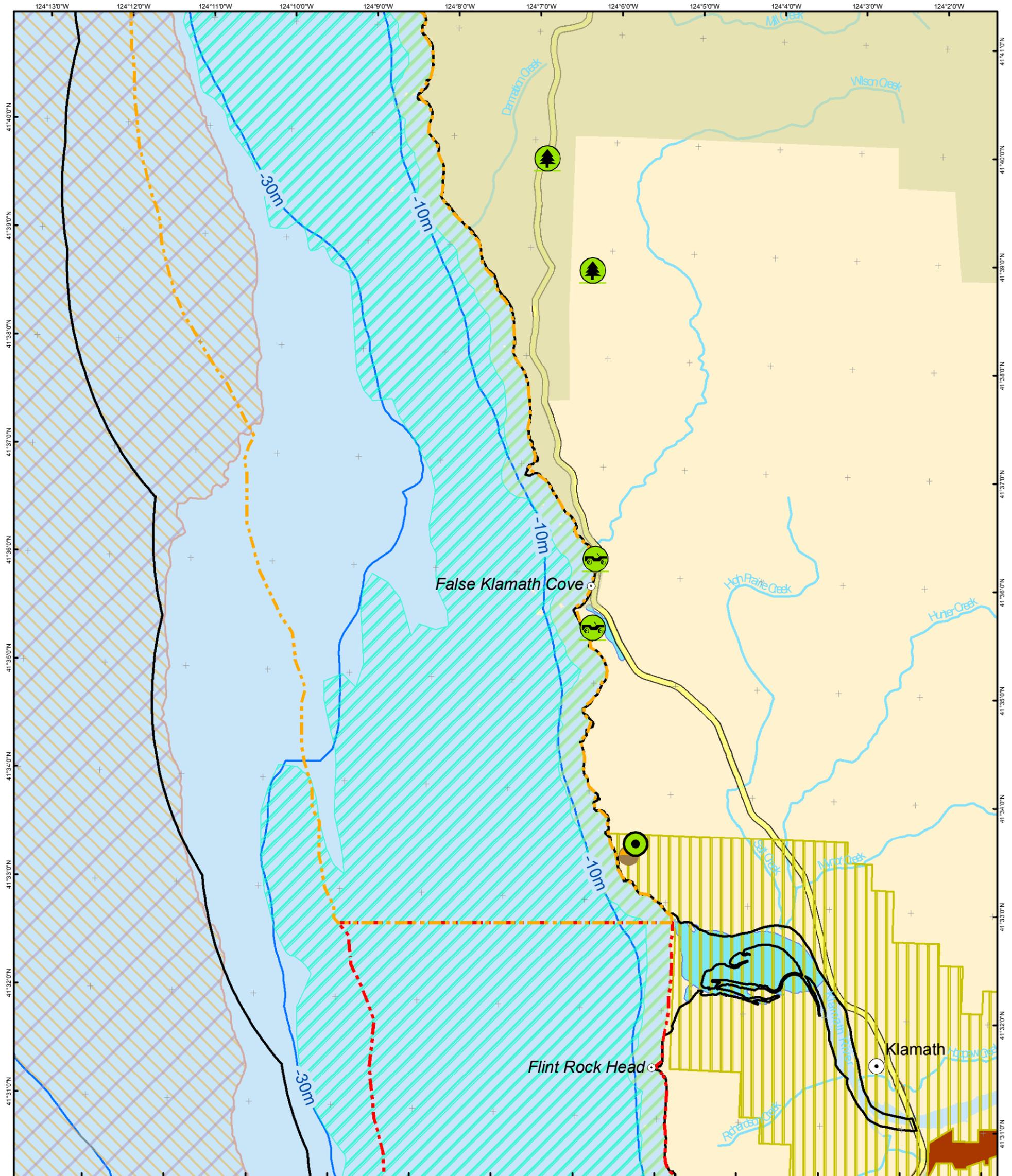


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| Study Region Boundary | Coastal Access Points | Kelp Bed Leases | Terrestrial Managed Areas |
| Landmarks | Park/Reserve | Closed Lease Only | State Federal Non-governmental organization |
| Airport Beach / Coastal Access Lighthouse | Path/Trail/Drive Physical Access Visual Access | Marine Managed Areas | Existing State Marine Protected Areas |
| Major City Town Coastal Point | Ports | Areas of Special Biological Significance National Park Proposed Hydrokinetic Projects | State Marine Conservation Area State Marine Reserve |
| Fishing Piers & Jetties Spearfish Competition Sites Power Plants | Wastewater Discharge | Aquaculture Leases Essential Fish Habitat Coservation Areas | Rockfish Conservation Areas (RCA) |
| | Cooling Water Municipal Wastewater Discharge Industrial Wastewater Discharge | Tribal Lands | Non-Groundfish - Year Round (2009-2010) Commercial Non-Trawl - Year Round (2009-2010) Commercial Trawl - Year Round (2009-2010) Recreational - Year Round (2009-2010) |
| | | Government Rancheria Reservation Village | Roads |
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California Locality

Sheet Index

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California Locality

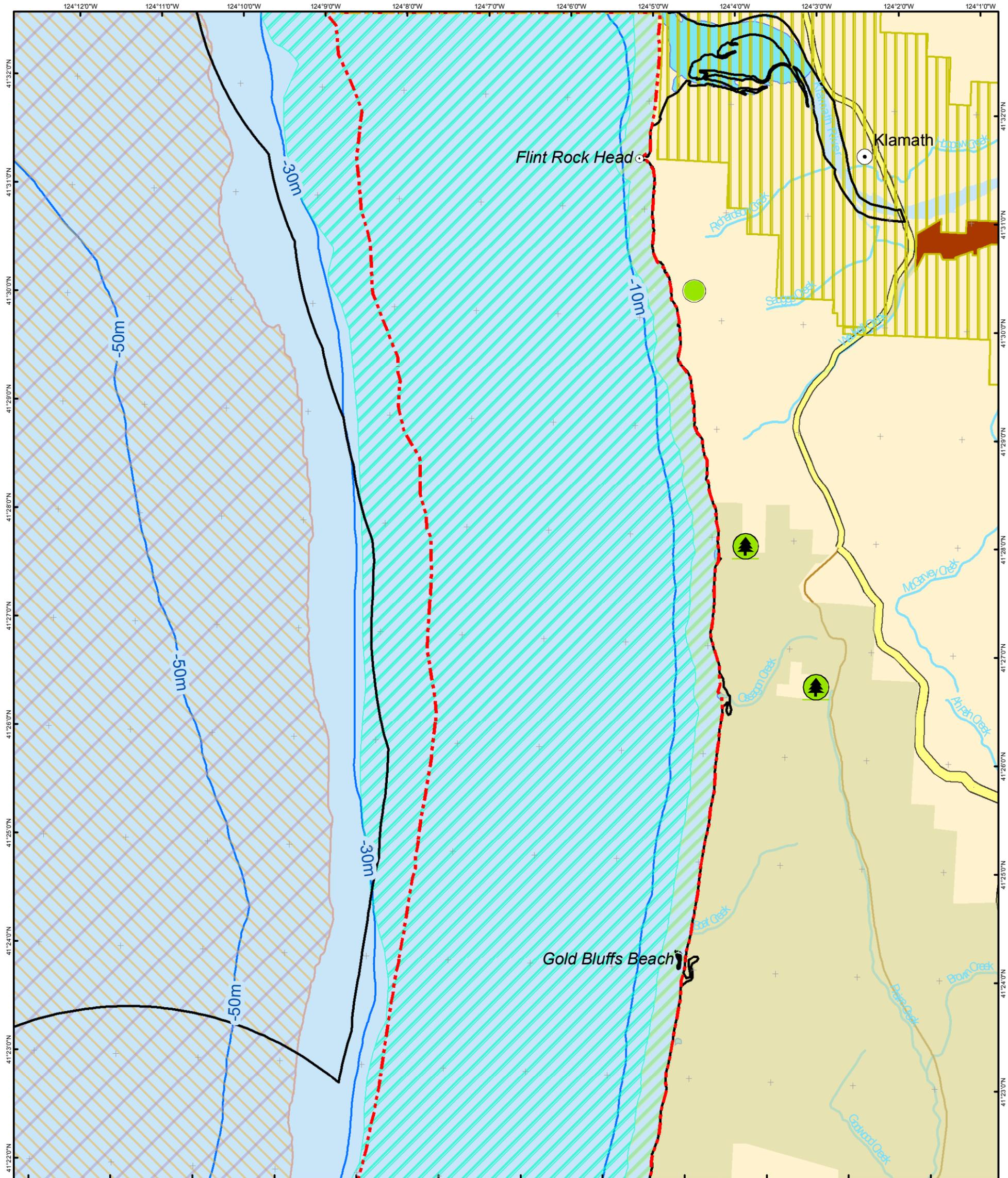
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1 in = 1 Statute Mile

Coastal Management & Human Uses Atlas

Map Sheet No:04 Page No:



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California Locality

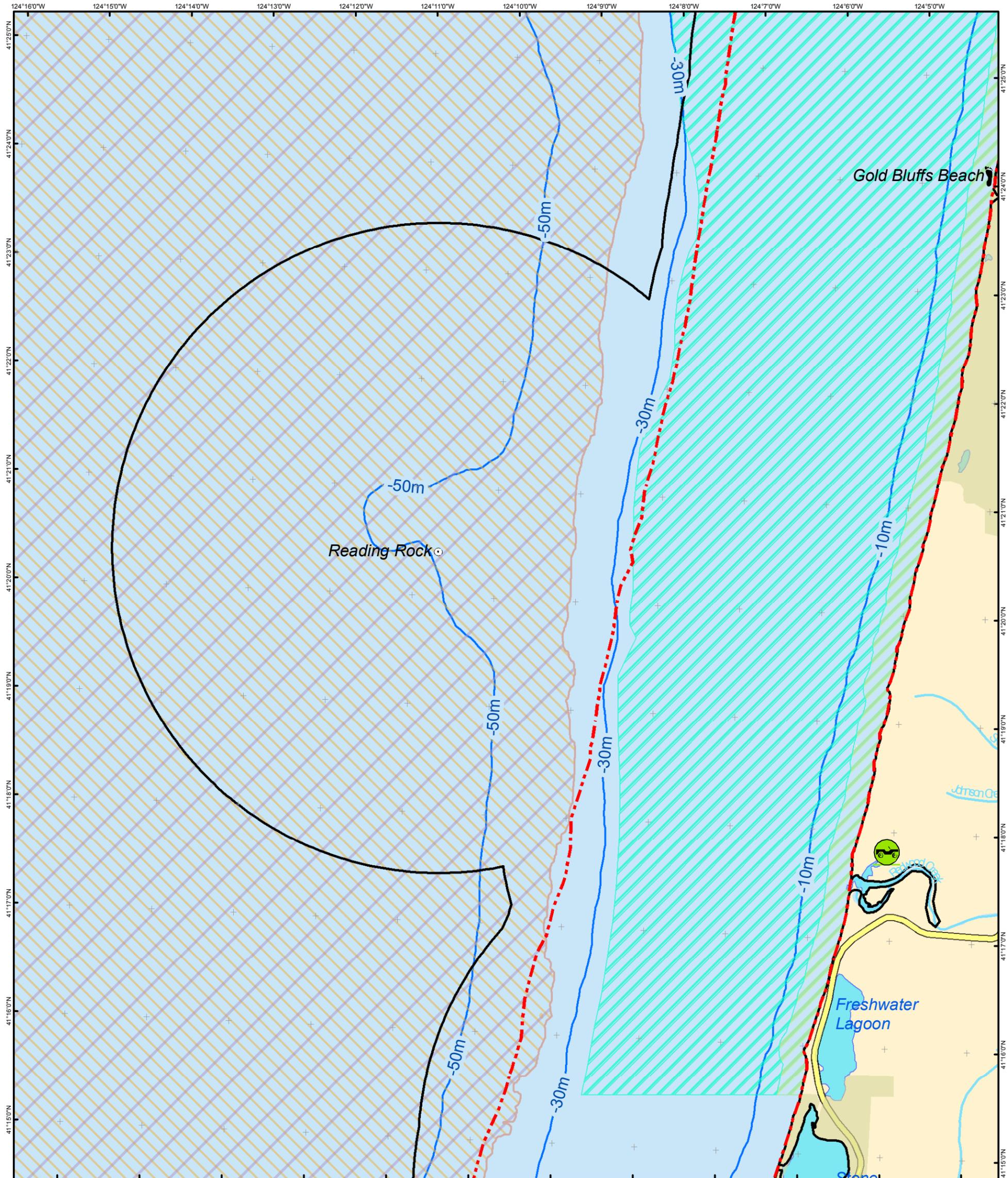
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Coastal Management & Human Uses Atlas

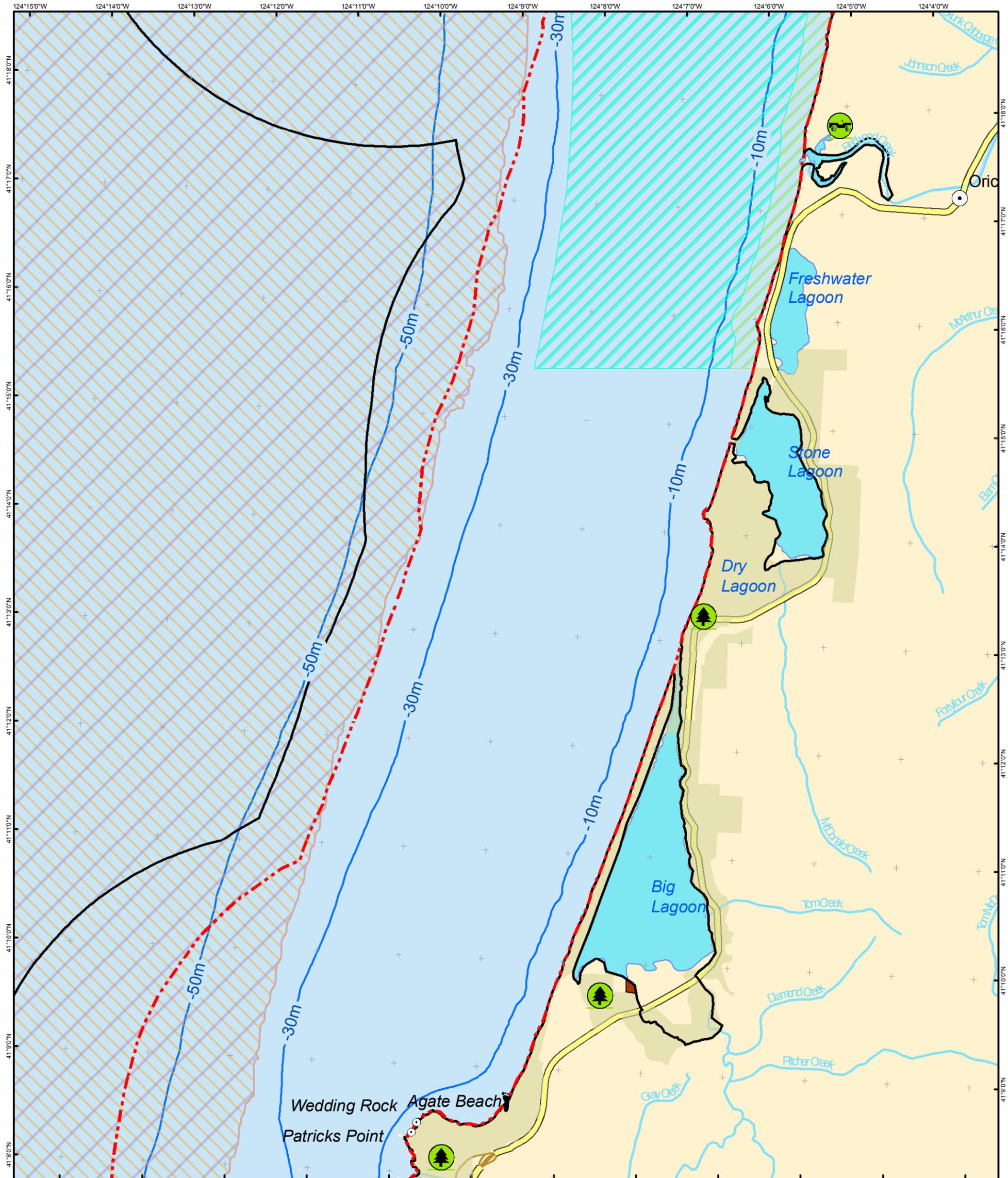
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California Locality

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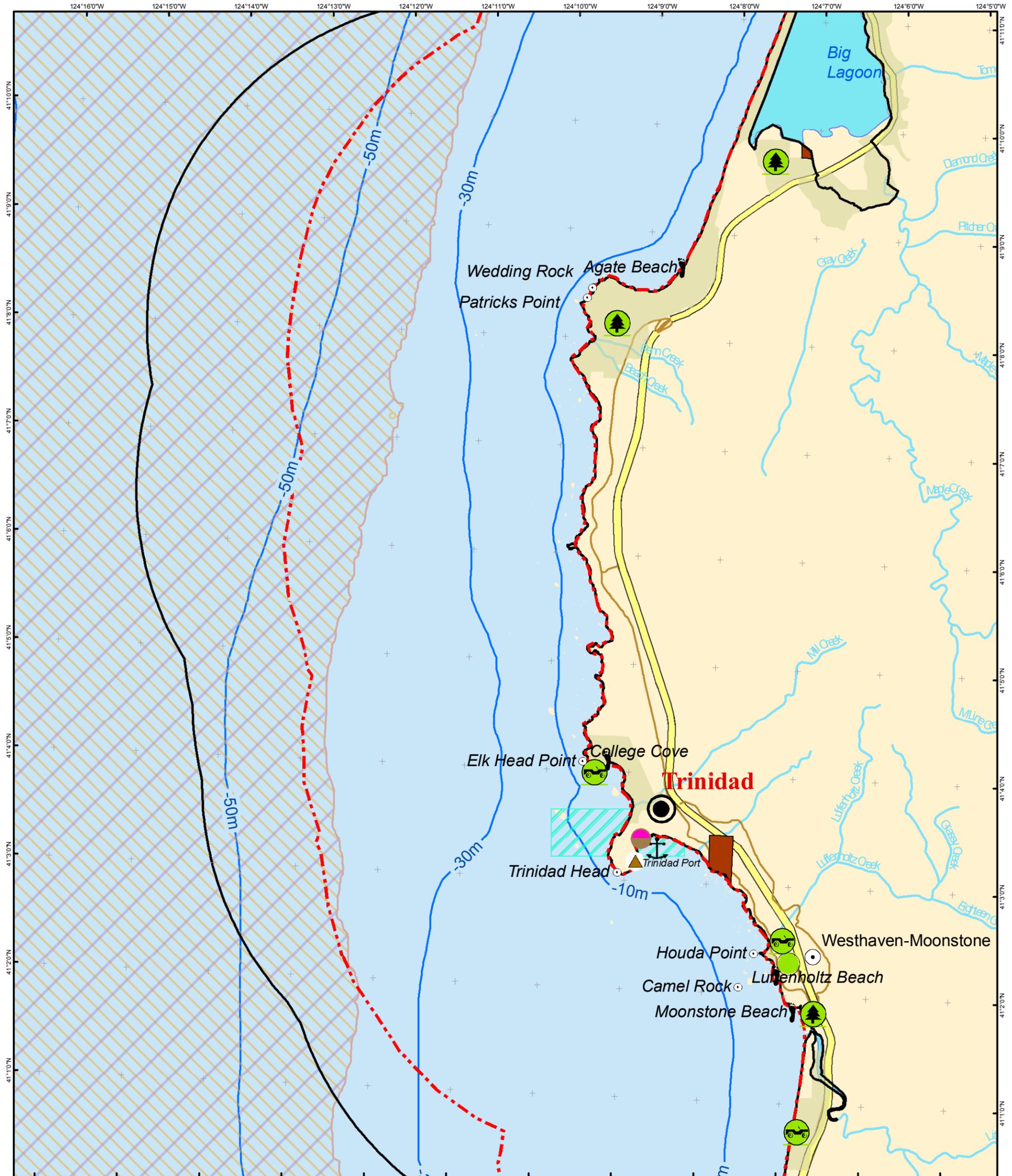


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California Locality

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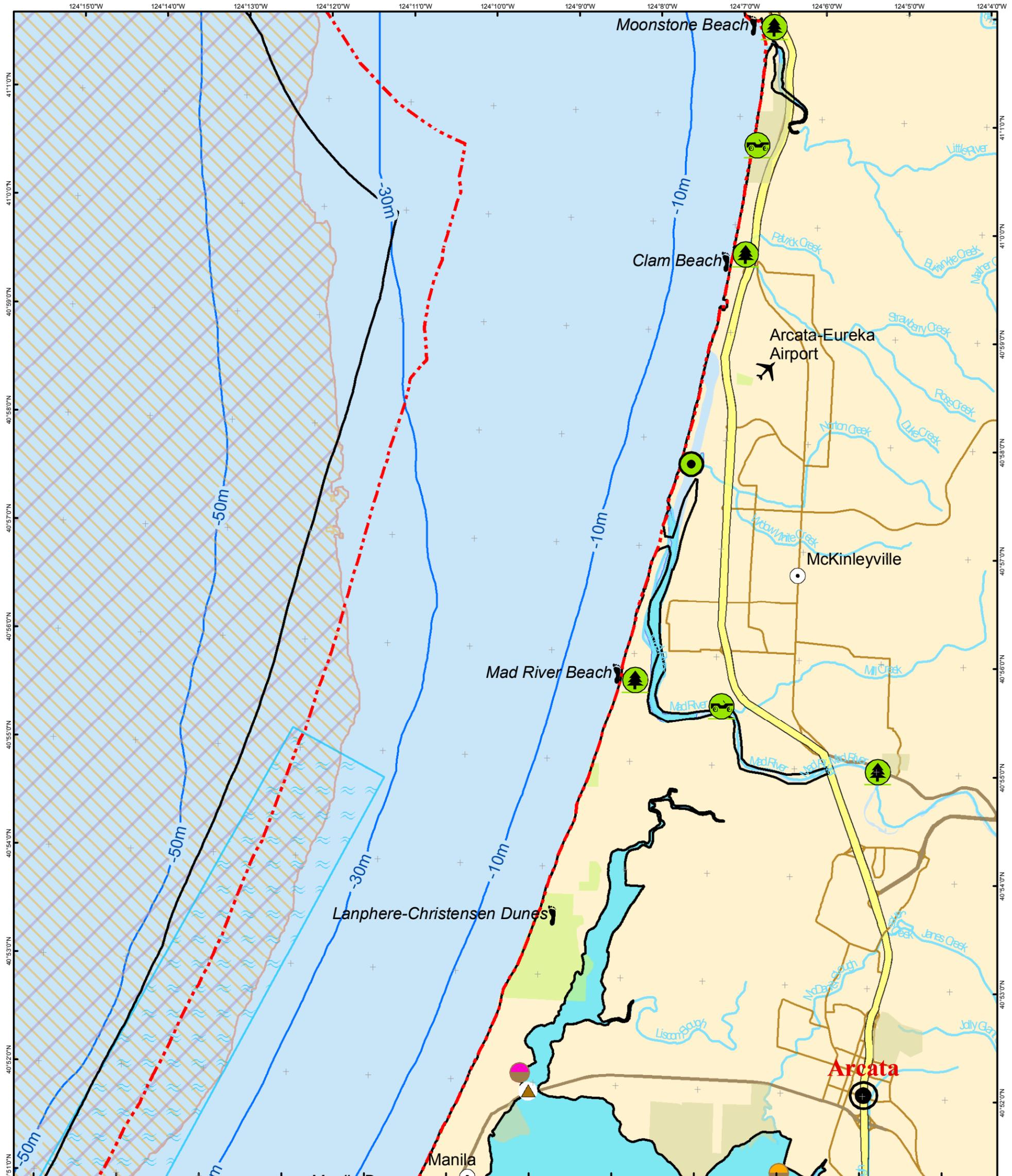
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California Locality

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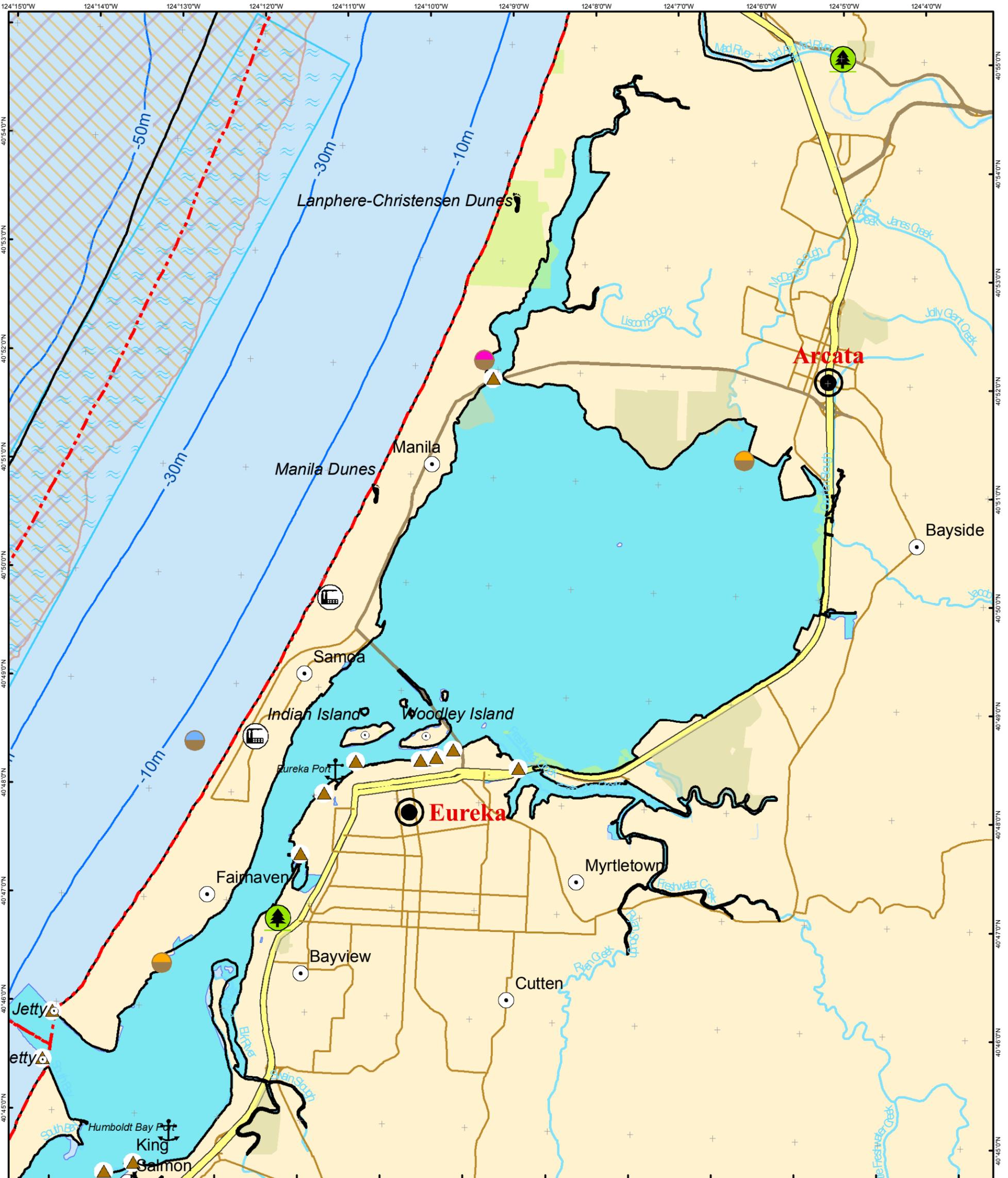


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California Locality

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California Locality

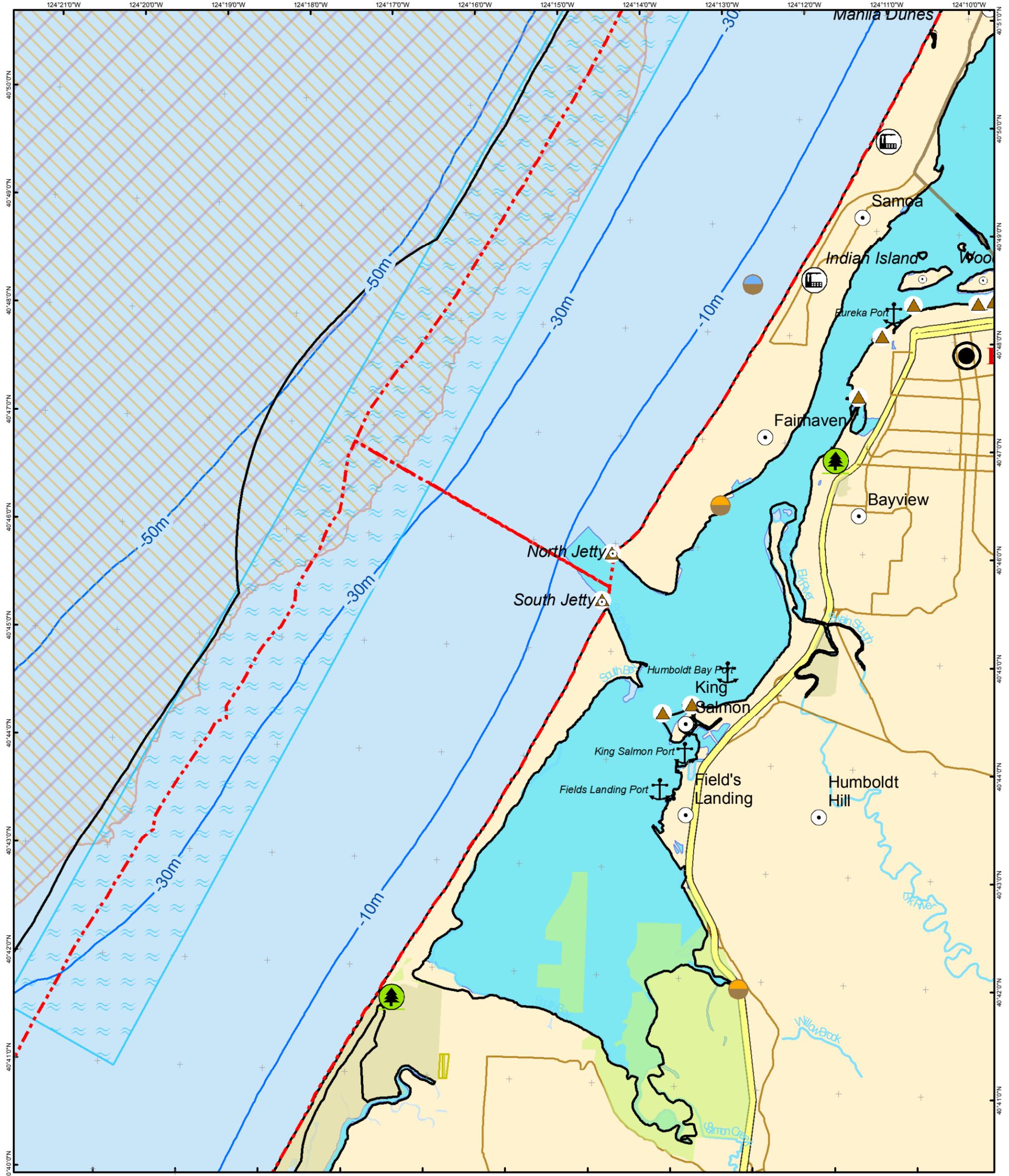
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1 in = 1 Statute Mile

Coastal Management & Human Uses Atlas

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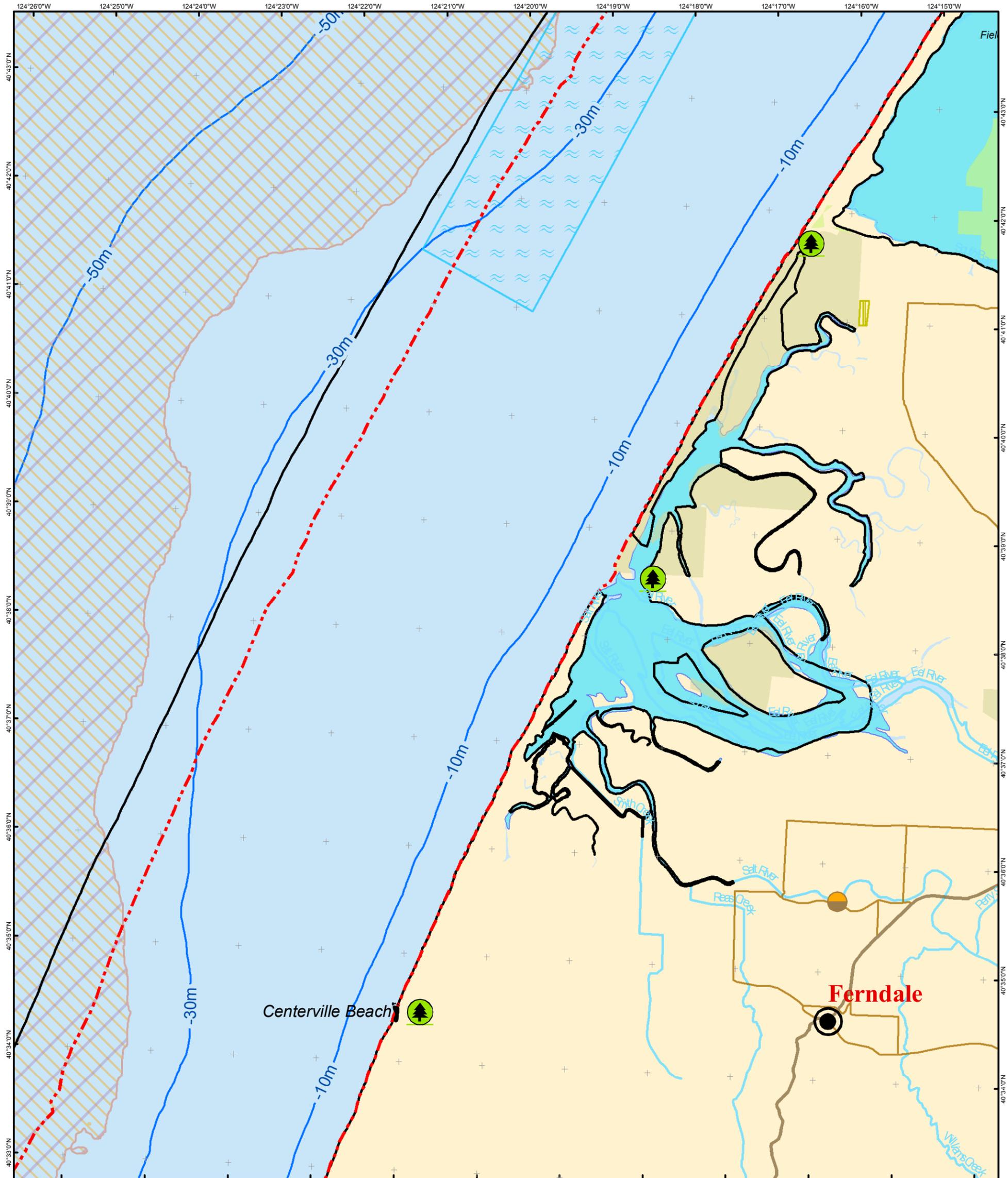


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| Airport | Path/Trail/Drive | Lease Only | Federal |
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| | | Rancheria | Recreational - Year Round (2009-2010) |
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California Locality

Sheet Index

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| <ul style="list-style-type: none"> Study Region Boundary Landmarks <ul style="list-style-type: none"> Airport Beach / Coastal Access Lighthouse Major City Town Coastal Point Fishing Piers & Jetties Spearfish Competition Sites Power Plants | <ul style="list-style-type: none"> Coastal Access Points <ul style="list-style-type: none"> Park/Reserve Path/Trail/Drive Physical Access Visual Access Ports Wastewater Discharge <ul style="list-style-type: none"> Cooling Water Municipal Wastewater Discharge Industrial Wastewater Discharge | <ul style="list-style-type: none"> Kelp Bed Leases <ul style="list-style-type: none"> Closed Lease Only Marine Managed Areas <ul style="list-style-type: none"> Areas of Special Biological Significance National Park Proposed Hydrokinetic Projects Aquaculture Leases Essential Fish Habitat Coservation Areas Tribal Lands <ul style="list-style-type: none"> Government Rancheria Reservation Village | <ul style="list-style-type: none"> Terrestrial Managed Areas <ul style="list-style-type: none"> State Federal Non-governmental organization Existing State Marine Protected Areas <ul style="list-style-type: none"> State Marine Conservation Area State Marine Reserve Rockfish Conservation Areas (RCA) <ul style="list-style-type: none"> Non-Groundfish - Year Round (2009-2010) Commercial Non-Trawl - Year Round (2009-2010) Commercial Trawl - Year Round (2009-2010) Recreational - Year Round (2009-2010) Roads <ul style="list-style-type: none"> Major Roads State Highways US Highways |
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California Locality

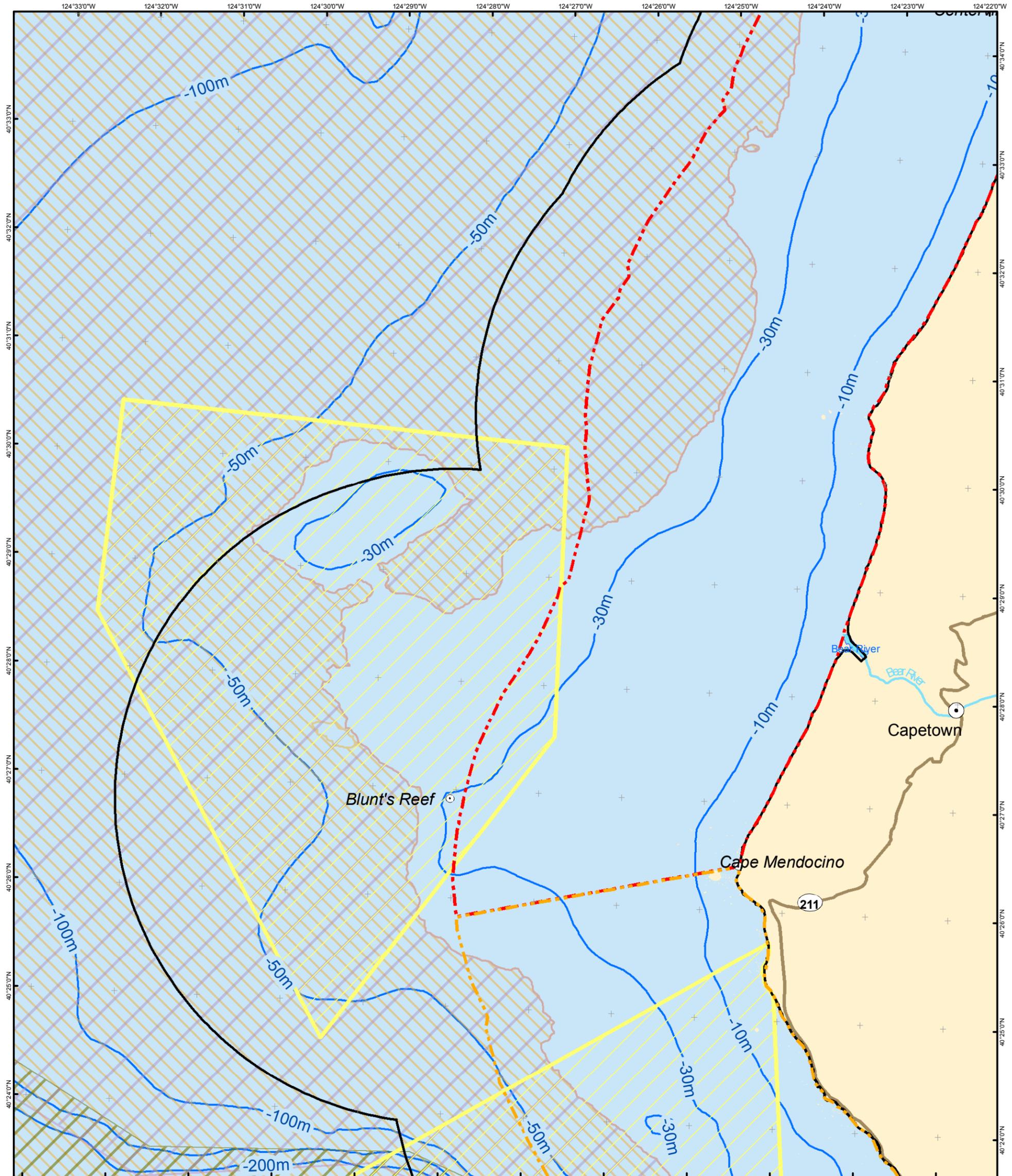
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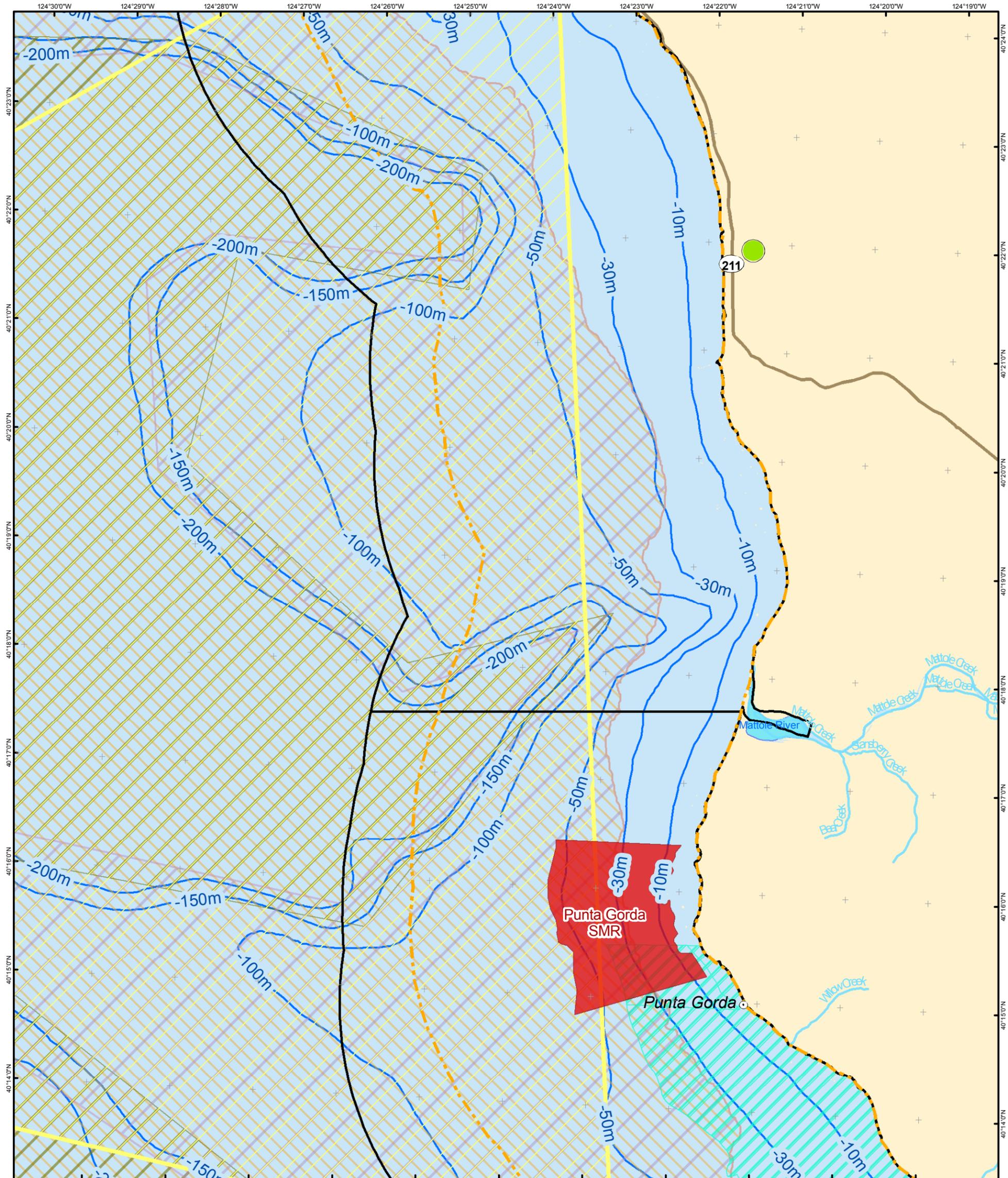
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California Locality

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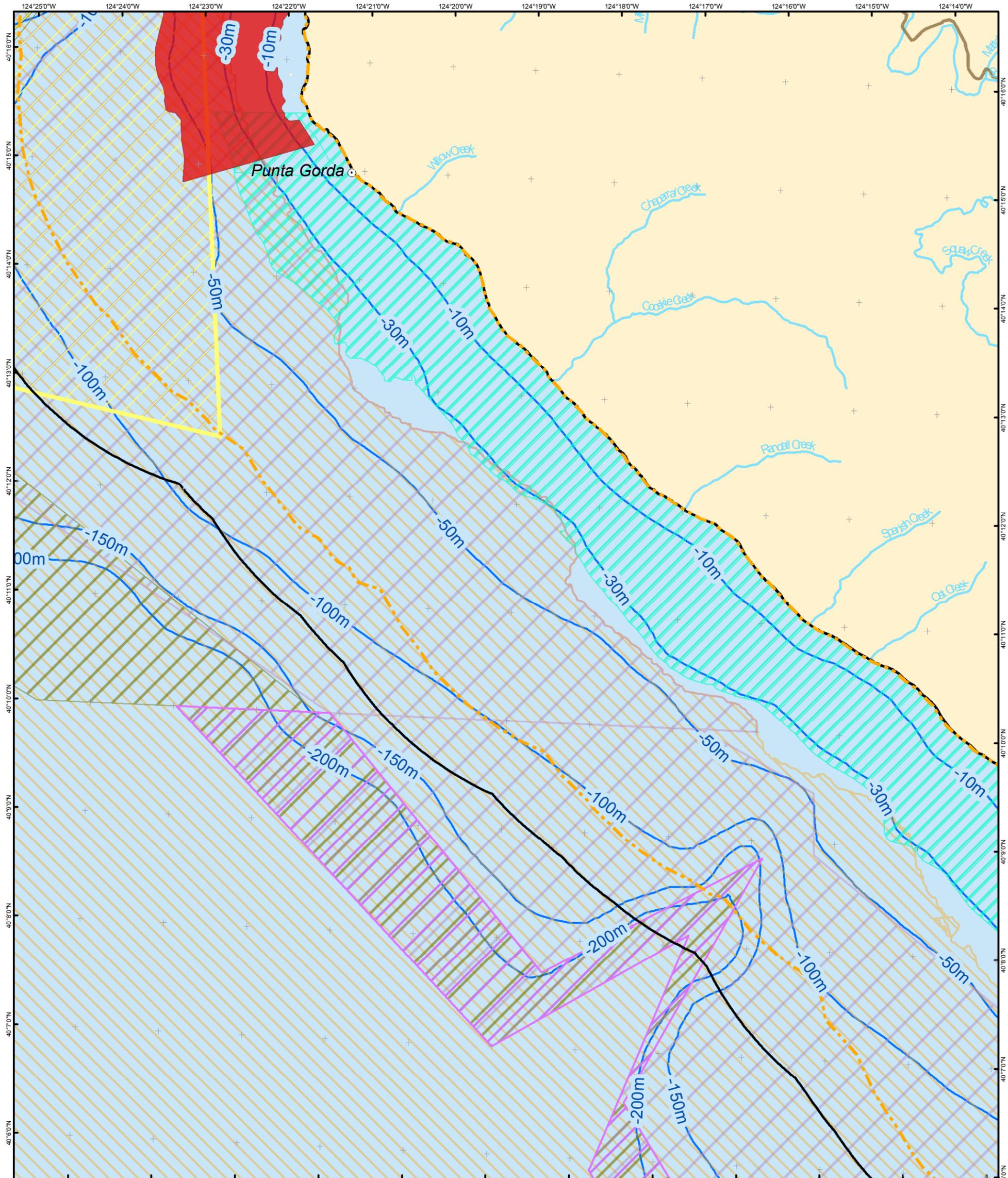
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California Locality

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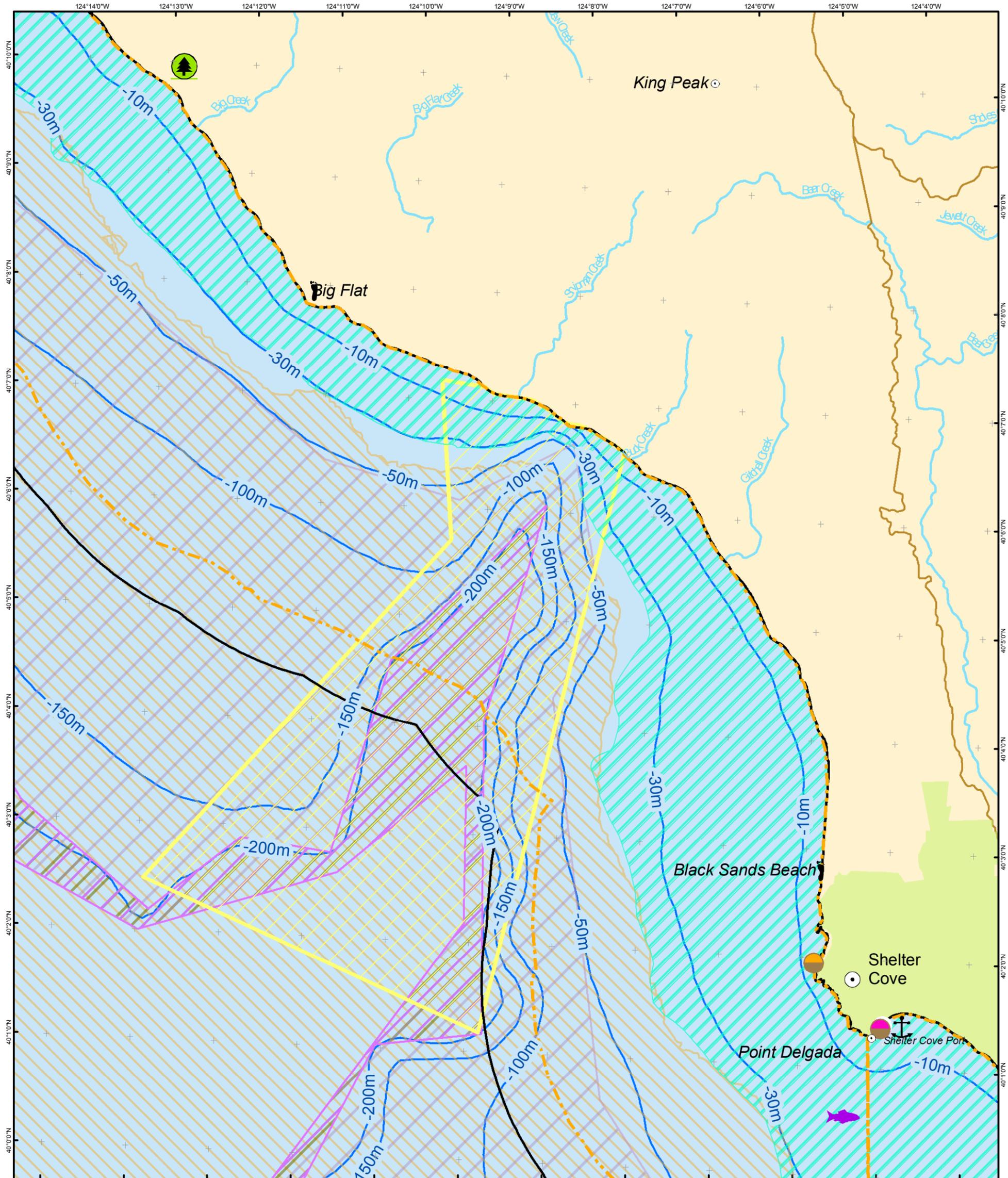
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California Locality

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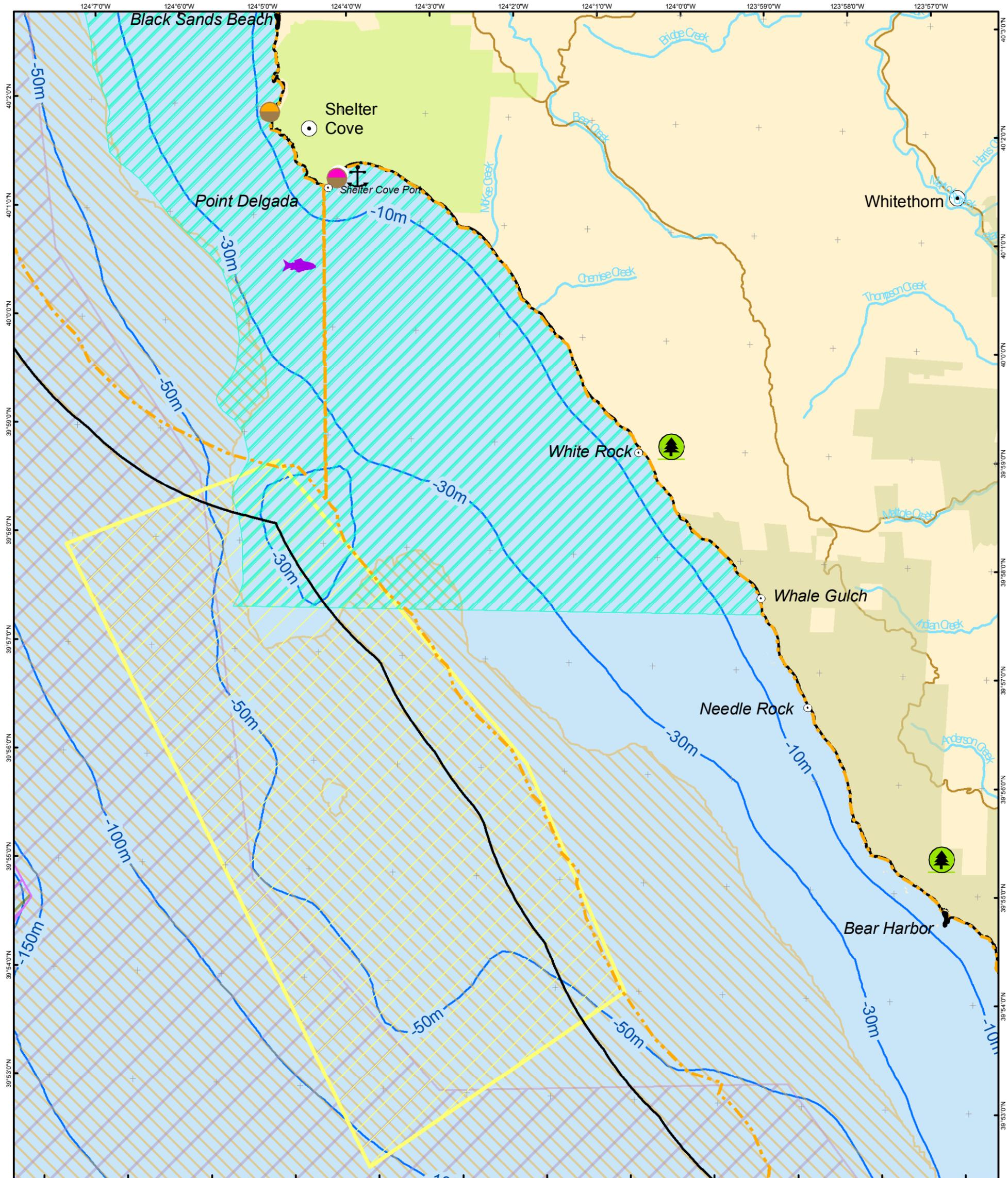


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California Locality

Sheet Index

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| Study Region Boundary | Coastal Access Points | Kelp Bed Leases | Terrestrial Managed Areas |
| Landmarks | Park/Reserve | Closed | State |
| Airport | Path/Trail/Drive | Lease Only | Federal |
| Beach /Coastal Access | Physical Access | Marine Managed Areas | Non-governmental organization |
| Lighthouse | Visual Access | Areas of Special Biological Significance | Existing State Marine Protected Areas |
| Major City | Ports | National Park | State Marine Conservation Area |
| Town | Wastewater Discharge | Proposed Hydrokinetic Projects | State Marine Reserve |
| Coastal Point | Cooling Water | Aquaculture Leases | Rockfish Conservation Areas (RCA) |
| Fishing Piers & Jetties | Municipal Wastewater Discharge | Essential Fish Habitat Coservation Areas | Non-Groundfish - Year Round (2009-2010) |
| Spearfish Competition Sites | Industrial Wastewater Discharge | Tribal Lands | Commercial Non-Trawl - Year Round (2009-2010) |
| Power Plants | | Government | Commercial Trawl - Year Round (2009-2010) |
| | | Rancheria | Recreational - Year Round (2009-2010) |
| | | Reservation | Roads |
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California Locality

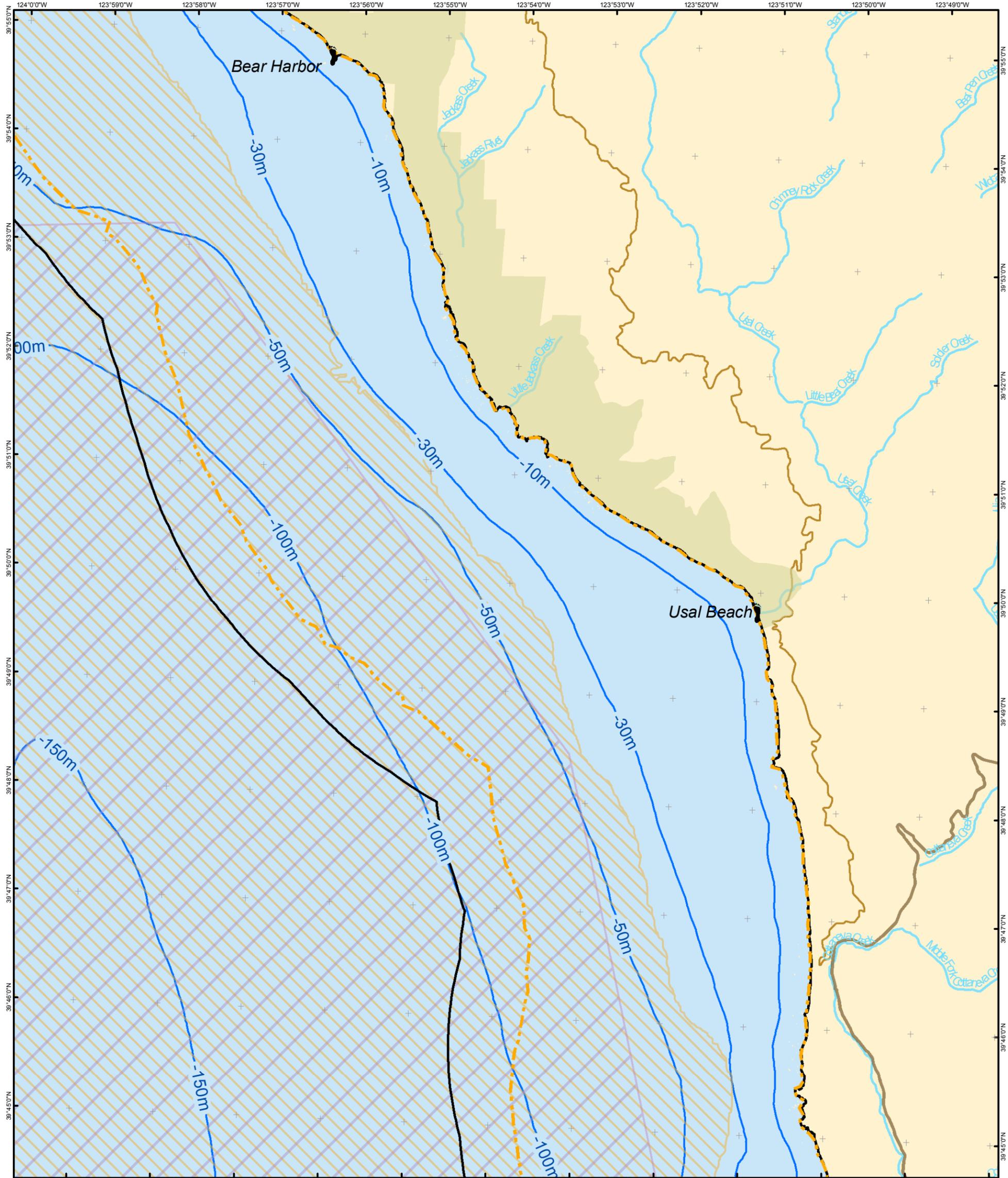
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1 in = 1 Statute Mile

Coastal Management & Human Uses Atlas

Map Sheet No:17 Page No:



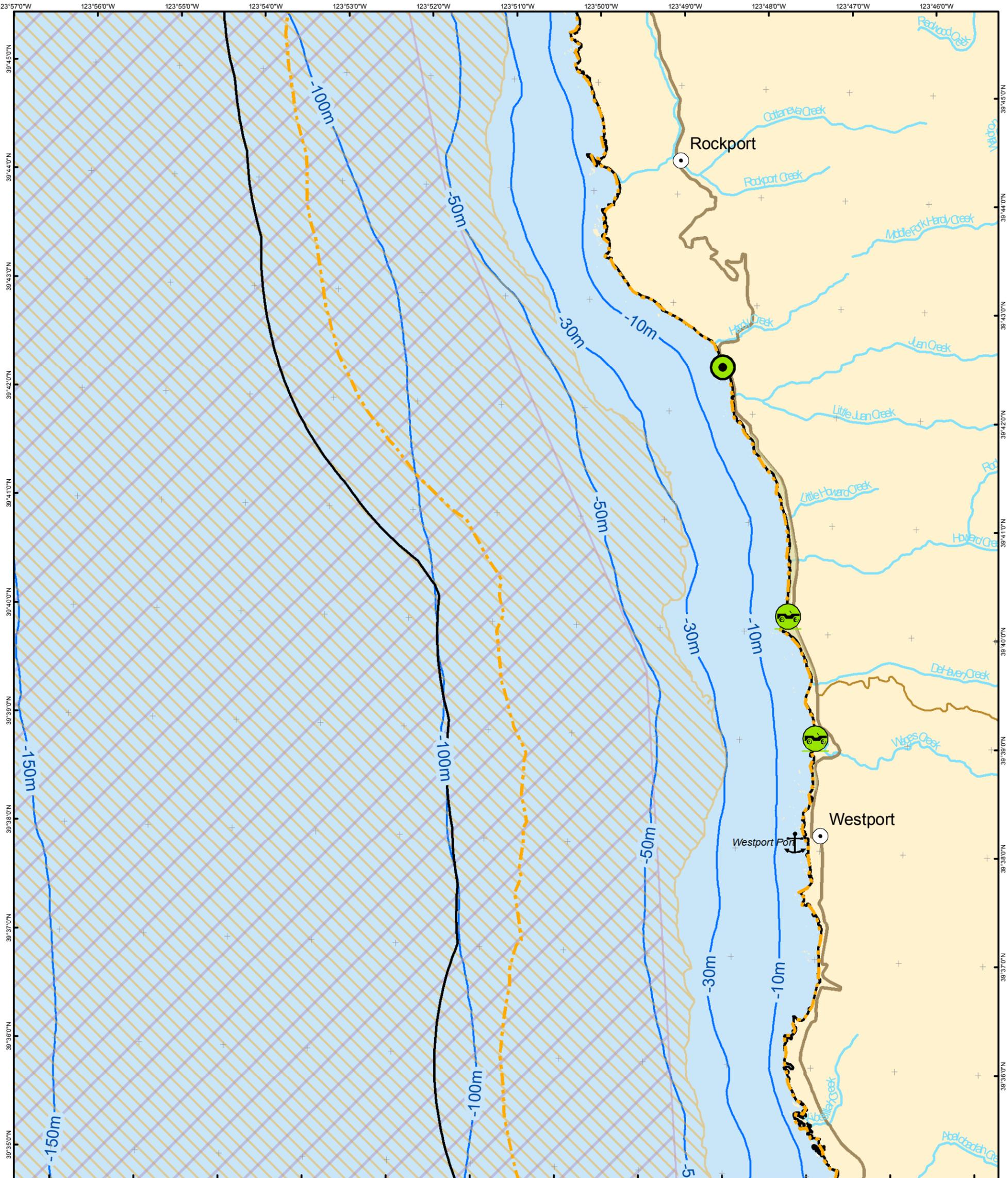
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California Locality

Sheet Index

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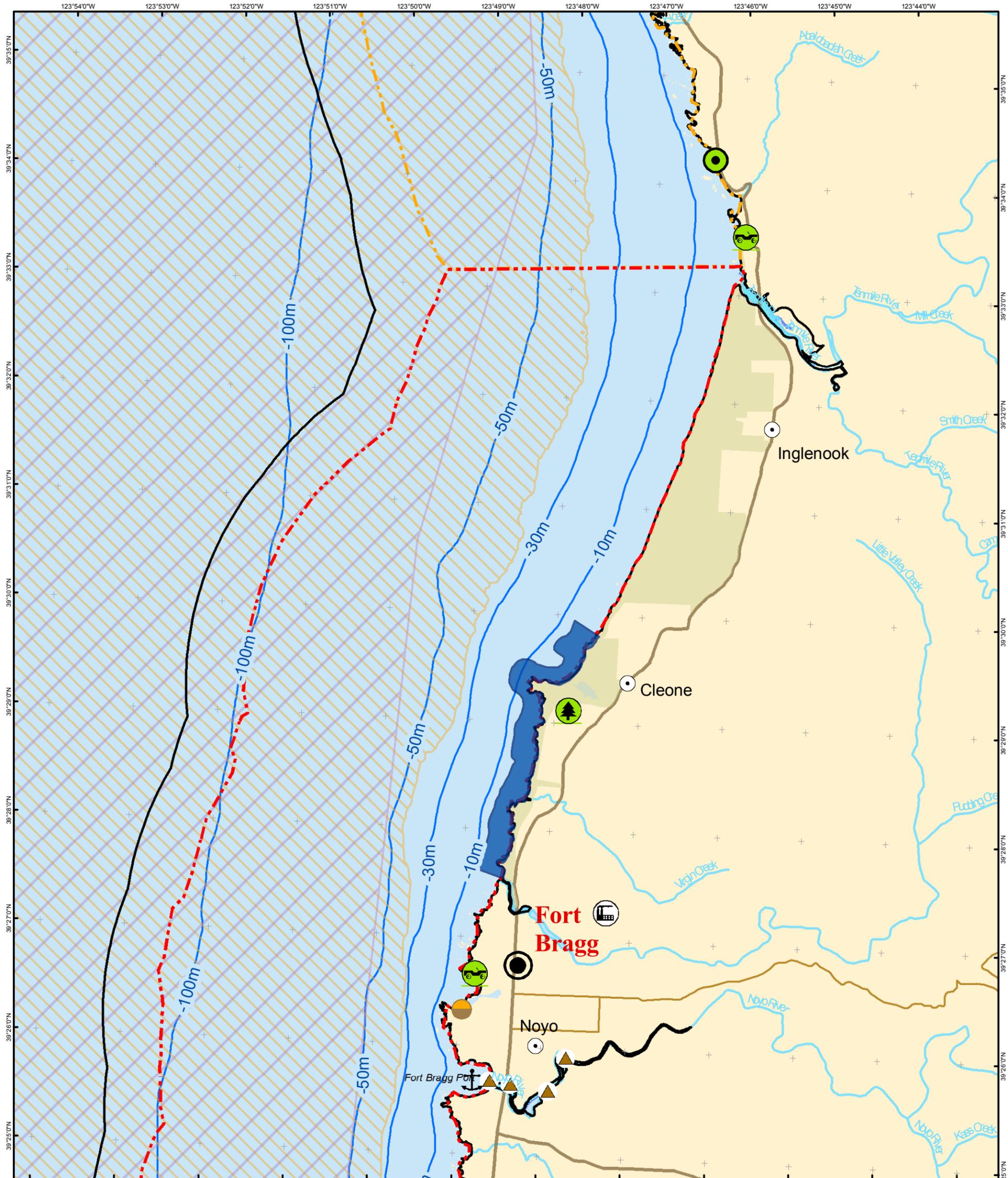
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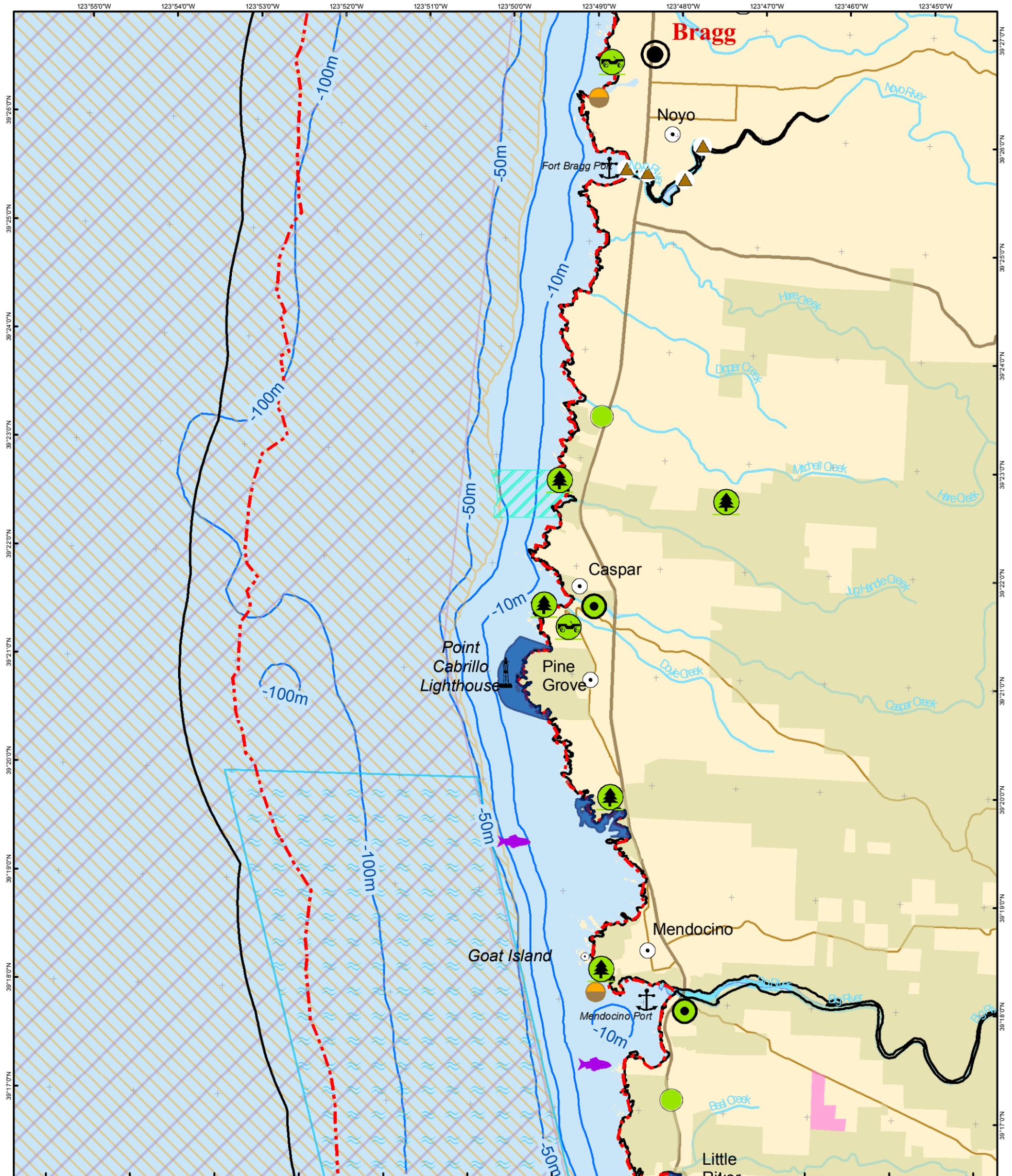


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Sheet Index

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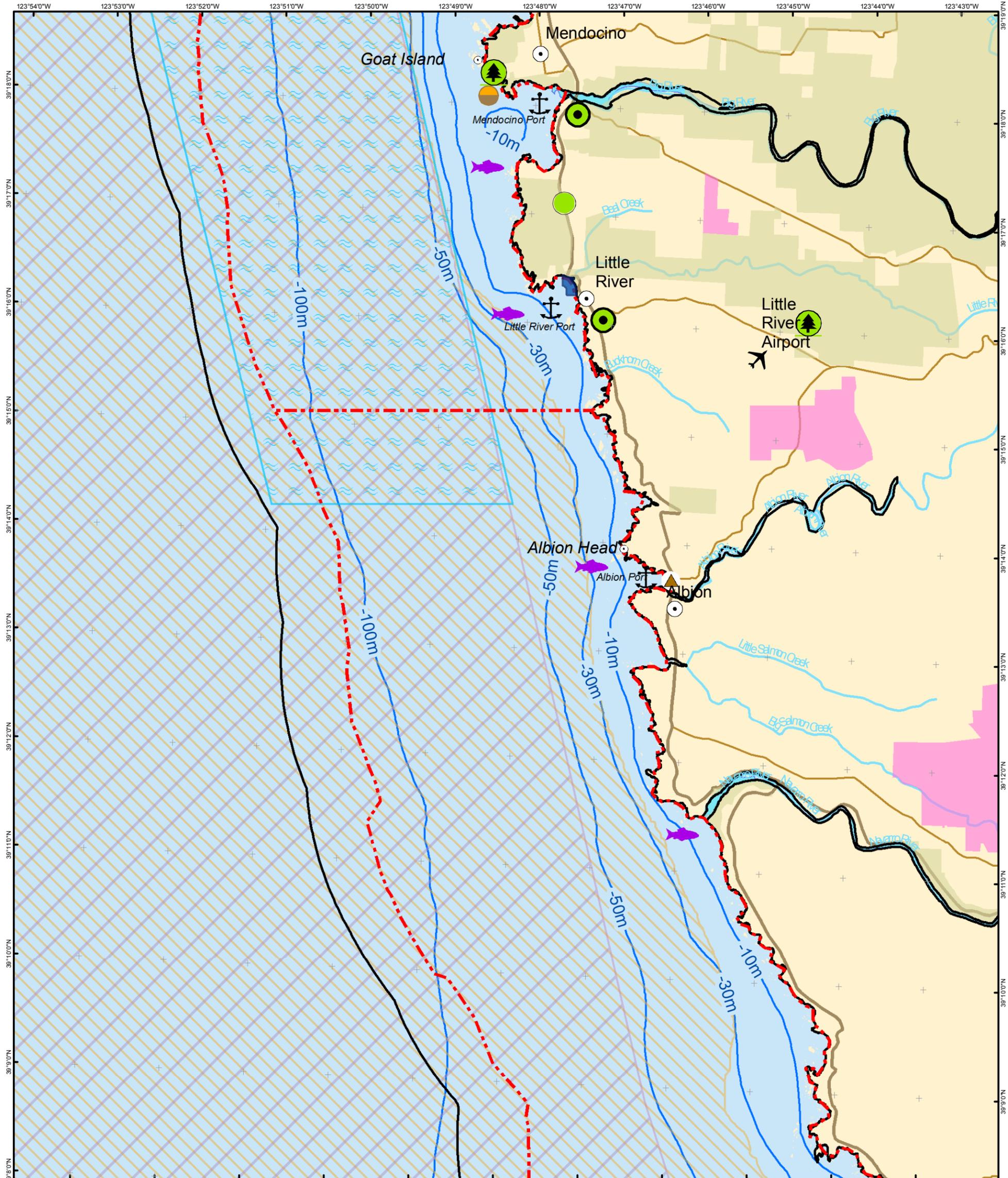
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California Locality

Sheet Index

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1 in = 1 Statute Mile
Coastal Management & Human Uses Atlas



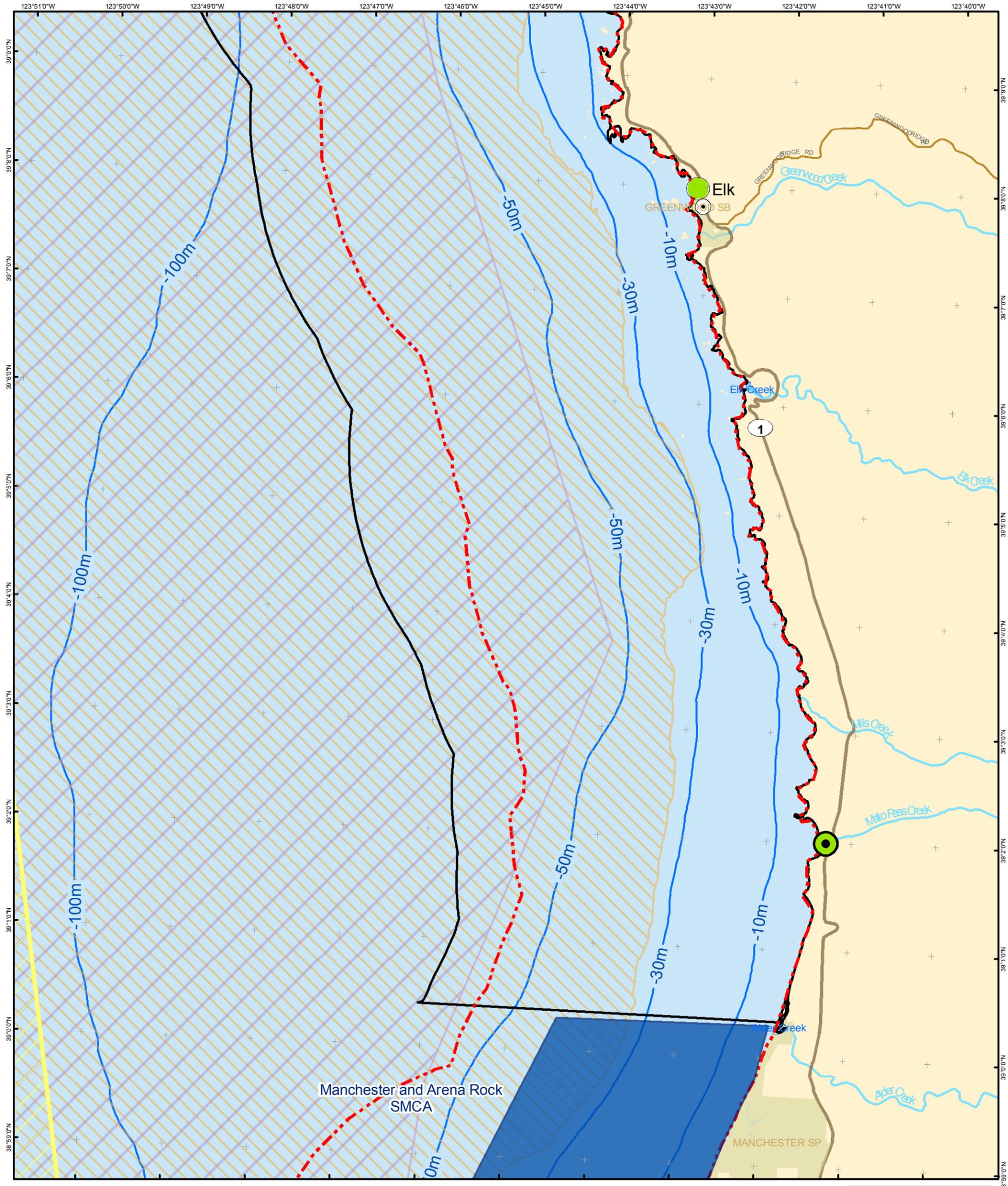
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1 in = 1 Statute Mile

Coastal Management & Human Uses Atlas

Map Sheet No:23 Page No:

Appendix to Coastal Management and Human Uses Atlas: Metadata

| Layer | Metadata/Disclaimer | Source |
|--|---|---|
| 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 |
| 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 |
| 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 | Location data and types for the power plants of California. This highly sensitive security information is not to be distributed outside of the Department. | California Energy Commission 2004 (updates pending) |
| Proposed Hydrokinetic Projects (Wave Farms) | Project area polygons were created based on applicants narrative description and coordinates that were provided in the application. | 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 |
| Aquaculture Leases | Outlines aquaculture lease locations in north central California. | California Department of Fish and Game |
| 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 |
| 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 |
| 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 |
| Tribal Lands | California Indian Land Trust Asset Boundaries as of 02/28/05. | Bureau of Indian Affairs, Pacific Regional Office |
| Recreational Year Round 2009-2010 Rockfish Conservation Area (RCA) | Represents the smallest footprint of persistently closed area as defined by the Recreational Rock Fish Conservation Area for 2009 - 2010. Rockfish Conservation Areas change temporally through out the year. This spatial feature only represents the area that is consistently closed regardless of temporal variation. Please see regulations for specific rules for any given time period. | California Department of Fish and Game |
| Commercial Trawl Year Round 2009-2010 Rockfish Conservation Area (RCA) | Represents the smallest footprint of persistently closed area as defined by the Trawl Rock Fish Conservation Area for 2009 - 2010. Rockfish Conservation Areas change temporally through out the year. This spatial feature only represents the area that is consistently closed regardless of temporal variation. Please see regulations for specific rules for any given time period. | California Department of Fish and Game |
| Commercial Non-Trawl Year Round 2009-2010 Rockfish Conservation Area (RCA) | Represents the smallest footprint of persistently closed area as defined by the Non-Trawl Rock Fish Conservation Area for 2009 - 2010. Rockfish Conservation Areas change temporally through out the year. This spatial feature only represents the area that is consistently closed regardless of temporal variation. Please see regulations for specific rules for any given time period. | California Department of Fish and Game |
| Non-Groundfish Year Round 2009-2010 Rockfish Conservation Area (RCA) | Represents the smallest footprint of persistently closed area as defined by the Non-Groundfish Trawl Rock Fish Conservation Area for 2009 - 2010. Represents the smallest footprint of persistently closed area as defined by the Non-Groundfish Trawl Rock Fish Conservation Area for 2009 - 2010. | California Department of Fish and Game |
| Estuaries | Shows the location of coastal estuaries. | U.S. Fish and Wildlife Service - National Wetlands Inventory, NOAA - ESI |
| 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. | National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northwest Regional Office |