

**California MLPA North Coast Study Region**  
**Round 2: Description of Marine Protected Areas (MPAs) in Ruby Draft MPA Proposal 2**  
*Spreadsheet Created May 27, 2010*

**Name of Array: Ruby Draft MPA Proposal 2**  
**Author: NCRSG Ruby Gem Group**  
**Proposal Submitted: May 20, 2010**

**Total number of MPAs: 12**  
 Number of SMRs: 4  
 Number of SMCAs: 6  
 Number of SMPs: 1  
 Number of SMRMAs: 1  
 Number proposing tribal us: 6

Northern Bioregion: California/Oregon border to Mattole River  
 Southern Bioregion: Mattole River to Alder Creek near Point Arena

MPA Name	MPA ID	Bioregion	MPA Boundaries (Exact or Approximate)	Designation	Preliminary Level of Protection*	Propose Tribal Uses?	Proposed Take Regulations
Pyramid Point SMR	1001251	Northern	North Boundary: The state water boundary West Boundary: The state water boundary South Boundary: North latitude 41 57.500 from west longitude 124 13.000 to extent of state waters East Boundary: West longitude 124 13.000	SMR	Very High	No	Take of all living marine resources is prohibited.
Pyramid Point SMCA	1001250	Northern	North Boundary: The state water boundary West Boundary: West longitude 124 13.000 South Boundary: North latitude 41 57.500 from mean high tide line to west longitude 124 13.000 East Boundary: Mean high tide line	SMCA	Undetermined	Yes	The take of all living marine resources is prohibited except: 1. Recreational take of surfperch by hook and line from shore; surf and night smelt by dip net; surf and night smelt by cast net; and redtail surfperch by hook and line from shore. 2. Traditional, non-commercial, tribal gathering, subsistence, harvesting, ceremonial and stewardship activities.
Reading Rock Offshore SMCA	1001567	Northern	North Boundary: North latitude 41 24.000 extending from west longitude 124 05.000 west to state water boundary. South Boundary: North latitude 41 21.500 extending from west longitude 124 05.000 west to state water boundary. West Boundary: State water boundary East Boundary: West longitude 124 05.000	SMCA	Moderate High	No	The take of all living marine resources is prohibited except: 1. The recreational take of salmon by troll; Dungeness crab by trap; Dungeness crab by hoop net; and Dungeness crab by diving. 2. The commercial take of salmon by troll; and Dungeness crab by trap.

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MPA Name	Other Proposed Regulations	Site-specific Rationale	Other Considerations
Pyramid Point SMR	None specified	Protects a diversity of habitats, and several off-shore rocks important for sea bird colonies and waterfowl (Aleutian geese). The reserve will enhance protections for marine mammals and Chinook salmon, steelhead, and threatened southern Oregon/Northern California Coastal Coho stocks, and protect kelp forest, red tail surf perch, smelt, nearshore rockfish, red abalone, razor clams and Dungeness crab.	Provides clear and enforceable boundaries with abundant coastal road, highway and trail access and vantage points. Provides vessel access (Port of Brookings, OR) for study or enforcement. Reduces distance from Crescent City to fishing grounds and improves safety of Crescent City fishers. Reduces economic impacts to sport and commercial fisheries in California's highest poverty level area. This SMR is clustered with the Pyramid Point SMCA and designed to recognize tribal traditional tribal shore uses that have occurred for thousands of years.
Pyramid Point SMCA	None specified	Protects a diversity of habitats. Includes rocky shores, beaches, shallow reef, soft bottom, and kelp forest habitats, and several off-shore rocks important for sea bird colonies and waterfowl (Aleutian geese). The SMR/SMCA complex will enhance protections for marine mammals and Chinook salmon, steelhead, and threatened southern Oregon/Northern California Coastal Coho stocks, and protect kelp forest, red tail surf perch, smelt, nearshore rockfish, red abalone, razor clams and Dungeness crab.	The MPA is intended to allow tribal uses and some recreational uses where public access for fishing (shore angling) is one of the primary purposes of the area and where alternative public access for shore angling is very limited.
Reading Rock Offshore SMCA	None specified	Combined with the Reading Rock Nearshore SMCA, this conservation area is designed to protect soft and hard bottom communities.	None specified

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Reading Rock Nearshore SMCA	1001566	Northern	North boundary: North latitude 41 24.000 from the mean high tide west to west longitude 124 05.000 South boundary: North latitude 41 21.500 from the mean high tide line west to west longitude 124 05.000 West boundary: West longitude 124 05.000 East boundary: Mean high tide	SMCA	Undetermined	Yes	The take of all living marine resources is prohibited except: 1. The recreational take of surfperch by hook and line from shore; salmon by troll; Dungeness crab by trap; Dungeness crab by hoop net; Dungeness crab by diving; surf and night smelt by dip net; and redtail surfperch by hook and line from shore. 2. The commercial take of salmon by troll; and Dungeness crab by trap. 3. Traditional, non-commercial, tribal gathering, subsistence, harvesting, ceremonial and stewardship activities.
South Humboldt Bay SMRMA	1001208	Northern	North Boundary: Landmark, line coming due east of prominent point to west longitude of 124 15.000 South Boundary: Mean high tide line West Boundary: Mean high tide line East Boundary: West longitude 124 15.000	SMRMA	Undetermined	Yes	The take of all living marine resources is prohibited except: 1. Traditional, non-commercial, tribal gathering, subsistence, harvesting, ceremonial and stewardship activities.
South Cape Mendocino SMR	1001560	Northern	North Boundary: North latitude 40 25.800 to the extent of state waters West Boundary: The state water boundary South Boundary: North latitude 40 24.500 to the extent of state waters East Boundary: Mean high tide line	SMR	Very High	No	Take of all living marine resources is prohibited.
Mattole Canyon SMR	1001561	Northern	North Boundary: North latitude 40 20.0 to the extent of state waters West Boundary: The state water boundary South Boundary: North latitude 40 17.0 to the extent of state waters East Boundary: 124 22.5	SMR	Very High	No	Take of all living marine resources is prohibited.

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Reading Rock Nearshore SMCA	None specified	Combined with the Reading Rock Offshore SMCA, this SMCA protects diverse habitats including beaches, soft and hard bottom habitats.	This SMCA is intended to allow tribal uses and some recreational and commercial take. Note that anecdotal accounts indicate more rocky habitat than is depicted in MarineMap.
South Humboldt Bay SMRMA	Waterfowl hunting is allowed. Removal of invasive species allowed, including European Green Crab ( <i>Carcinus maenas</i> ). If a Green Crab fishery should emerge, the Department of Fish and Game should allow the commercial take of that species in this estuary.	Protect estuarine habitats.	This MPA is designed to provide equivalent protection (no commercial or recreational take) as an SMR while allowing tribal uses. This MPA meets or exceeds the science guidelines as follows: Total size=.655 sq miles (Guideline=.12 sq miles). Eelgrass=.06 sq miles (Guideline=.04 sq miles). Coastal Marsh=.04 sq miles (Guideline=.04 sq miles). Designed so that the western and southern boundary are the bay shore and the northern and eastern boundary align with significant and visible shoreline breaks. Potential for Humboldt Bay Recreation and Conservation District to install and maintain a buoy at the hanging corner.
South Cape Mendocino SMR	None specified	This MPA was designed to protect biodiversity.	None specified
Mattole Canyon SMR	None specified	It has a variety of diverse habitats including upwelling zones, submarine canyons, reef structures, and improves study opportunities provided by marine ecosystems that are subject to minimal human impacts.	Captures off-shore marine canyons on both sides of the bio-regional split. Meets or exceeds sizing guidelines.

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Petrolia Lighthouse SMR	1001221	Southern	North Boundary: North latitude 40 14.600 to extent of state waters (Sea lion rock is a landmark) West Boundary: The state water boundary South Boundary: North latitude approximately 40 13.1 to extent of state waters East Boundary: Mean high tide line	SMR	Very High	No	Take of all living marine resources is prohibited.
Vizcaino SMCA	1001562	Southern	North Boundary: North latitude 39° 48.4' (NE corner: south side of Usal Rock) West Boundary: The state water boundary South Boundary: North latitude 39° 43.000 from west longitude 123 50.000 (line coming directly south from the northwest corner of Vizcaino Rock) to extent of state waters East Boundary: West longitude 123 50.000 at north latitude 39 43.000 going directly north to the northwest corner of Vizcaino Rock (landmark is main boundary) and then directly east to the mean high tide line	SMCA	Moderate High	No	The take of all living marine resources is prohibited except: 1. The recreational take of salmon by troll; and Dungeness crab by trap. 2. The commercial take of salmon by troll; and Dungeness crab by trap.

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Petrolia Lighthouse SMR	None specified	The Petrolia Lighthouse SMR protects rocky shores, captures kelp, hard 0-30m and 30-100m habitat, offshore rocks and includes all levels of soft habitat. Additionally, important seabird and sea lion rookeries are protected.	With the SMR going all the way to shore, there are some access issues for recreational use, tribal use, etc.
Vizcaino SMCA	None specified	Protect an area rich in primarily rocky shore habitat with a high diversity of benthic species characteristic of the north coast. Marine mammal haulout spots and marine bird rookeries blanket the coastline. Help protect larval sources and enhance reproductive capacity of shelf species including rockfishes. Both soft and hard bottom habitat thresholds are met for 0-30m. Provide protection to area that contains one of most persistent and important upwelling plumes along entire California Coast and provides for significant downstream larval dispersal, which will help restore depleted species.	Socioeconomic impacts were considered when developing the level of protection to allow commercial and recreational crabbing and salmon trolling. The southeastern corner boundary was adjusted to reduce negative socioeconomic impact to the urchin fishery. This MPA is positioned near the center of the bioregion South of Gorda capturing and protecting several key habitats defined by the SAT.

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Ten Mile Estuary SMCA	1001563	Southern	From the mouth of Ten Mile River inland to include all of the estuary in state waters.	SMCA	Undetermined	Yes	The take of all living marine resources is prohibited except: 1. Traditional, non-commercial, tribal gathering, subsistence, harvesting, ceremonial and stewardship activities.
Big River Estuary SMP	1001569	Southern	Seaward boundary is east of the highway 1 bridge at the old highway abutment on the north side of the river directly south (below catch a canoe) and inland to the extent of state waters boundary.	SMP	Undetermined	Yes	The take of all living marine resources is prohibited except: 1. Recreational take of Dungeness crab by hoop net; and Dungeness crab by diving. 2. Traditional, non-commercial, tribal gathering, subsistence, harvesting, ceremonial and stewardship activities.
Navarro River Estuary SMCA	1001565	Southern	Mouth of the Navarro River inland to the extent of state waters.	SMCA	Undetermined	Yes	The take of all living marine resources is prohibited except: 1. Recreational take of salmonids by hook and line. 2. Traditional, non-commercial, tribal gathering, subsistence, harvesting, ceremonial and stewardship activities.

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Ten Mile Estuary SMCA	Removal of invasive species allowed, including European Green Crab ( <i>Carcinus maenas</i> ). If a Green Crab fishery should emerge, the Department of Fish and Game should allow the commercial take of that species in this estuary.	This SMCA protects larval source and enhance reproductive capacity of numerous invertebrate species such as Dungeness crabs, ghost shrimp et al. Protects spawning and nursery grounds for populations that are harvested offshore.	Estuaries support local fish and shellfish populations that are harvested commercially and recreationally and also serve as spawning and nursery grounds for populations harvested offshore. Estuaries rank along with tropical rainforests and coral reefs as the world's most productive ecosystems, more productive than both the rivers and the ocean that influence them. This MPA expands on long-term protections for complex estuarine habitats, including eelgrass beds, marshlands and mudflat ecosystems. Supports current DFG coho and steelhead salmon habitat conservation projects while protecting essential nursery for federal and state listed threatened anadromous fish including Coho, King and Steelhead salmon. Almost the entire stretch of this MPA is close to population centers, with numerous coastal access points making research, long-term monitoring, recreation and enforcement possible. This MPA is designed to provide equivalent protection (no commercial or recreational take) as an SMR while allowing tribal uses.
Big River Estuary SMP	Removal of invasive species allowed.	Estuary habitat preserved; eel grass beds; anadromous fish refugia.	This MPA is designed to allow tribal uses and some recreational uses. Within State Parks boundaries. Key recreational kayaking area. A boost to local economy because estuary is protected. Shorebird habitat protected.
Navarro River Estuary SMCA	Removal of invasive species allowed, including European Green Crab ( <i>Carcinus maenas</i> ). If a Green Crab fishery should emerge, the Department of Fish and Game should allow the commercial take of that species in this estuary.	Estuary protection. Protects fish and invertebrate communities associated with areas of diverse estuarine habitats. Also protects prime shorebirds and waterfowl habitat; feeding areas for pinnipeds, as well as habitat and transportation corridor for river otters.	This MPA is designed to allow tribal uses and some recreational uses. Recreational kayaking and canoeing destination. Attraction to easy proximity to State Park beach and shorebird and mammal viewing.

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