

California MLPA North Central Coast Project
Draft Proposal 4 (JC) - December 12, 2007 version

Name of Draft MPA Proposal: Draft Proposal 4 (JC) (December 12, 2007 version)

Number and type of MPAs in initial MPA array: 14 SMR 1 SMP 9 SMCA 1 SMRMA 25 Total # MPAs

NCCRS meeting. This draft proposal aims to meet and address the guidance received from the MLPA Blue Ribbon Task Force, Master Plan Science Advisory Team, and California Department of Fish and Game. This draft proposal builds on initial options identified by the regional stakeholder work groups and draft external proposals and incorporates, to the extent possible, the many comments received from stakeholders and the general public.

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MPA Name	Type	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	SAT Assigned Level of Protection	Regional Goals/ Objectives/ Design Criteria this MPA Contributes Toward [Format: "G1O3" for Goal 1, Objective 3]	MPA Specific Objectives [Short narrative on the main intent of this MPA]	Comments, Questions or Important Information
Point Arena SMR	SMR	JC10	North boundary is 38° 59'N; west boundary of 123° 46'W; South boundary at 38° 56.4'. Eastern boundary is 123° 44'W and down along shoreline at mean high tide line.	No Take	Very High	G1, G2, G4, G5, G6	Protects a complex and unique combination of habitats fueled by persistent upwelling including: pinnacles, wash rocks, caverns, cliffs, honeycomb formations, undercut and vertical rock walls, cobbles, sand kelp, and associated rockfish and other species. Also protects nursery habitat for abalone, headlands, and an iconic place. May replicate, to an extent, Point Reyes and Bodega MPAs.	Staffing at lighthouse, caretaker at Mendocino College research station and BLM rangers bolster enforcement resources. Leaves open a 2-mile stretch N of harbor, area S of harbor, most of Manchester Beach crab grounds, shore fishing and cultural uses at Manchester Beach, salmon fishing areas. Small size limits value for more mobile species, but it may provide some benefits of a larger MPA via close proximity of Saunders Reef MPA complex
Point Arena SMCA	SMCA	JC9	Offshore of Point Arena SMR. North boundary at 38° 59'N; south boundary at 38° 56.4'N; east boundary at 123° 46'W; west to the extent of state waters.	Allows commercial and recreational salmon trolling	High	G1, G2, G3, G4, G5, G6	Extends protection to the state boundary to encompass deeper habitats and associated species in a regional center of high productivity. Helps protect an iconic place and may replicate Point Reyes and Bodega MPA clusters.	
Sea Lion Cove SMR	SMR	JC464	From northern point to southern point at sea lion cove and extending to shore.	No Take	Very High	G2 (and, in conjunction with rest of cluster, G1), G5	Protects vulnerable abalone populations and intertidal ecosystem.	

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Saunders Reef SMCA	SMCA	JC473	Inshore SMCA with a north boundary of 38° 52' (at Schooner Gulch) and a south boundary of 38° 49.5' (at sail rock). West boundary is a line parallel to shore, running from the north boundary at a latitude of 123° 42' to the south boundary at 123° 39' and intersecting the existing buoy. East boundary is shoreline below mean high tide line.	Allows commercial take of urchin only	Low-Mod	G2, G4, G5	Protects complex and highly productive rocky reef and kelp habitat including one of the largest stands of bull kelp in the north central coast, and associated species, including nearshore finfish and multiple abalone species.	Keeps open urchin fishing at Saunders (important to Pt. Arena Harbor), fishing & diving areas north and south of Haven's Neck for abalone divers, shore fishermen, and small boats launched from Anchor Bay.
Saunders Reef Offshore SMCA	SMCA	JC468	Offshore SMCA with a northern boundary of 38° 52' (at Schooner Gulch) and a southern boundary of 38° 49.5' (at sail rock). Eastern boundary is a line parallel to shore, running from the north boundary at a latitude of 123° 42' to the south boundary at 123° 39' and intersecting the existing buoy. Western boundary is the extent of state waters.	Allows commercial and recreational salmon trolling	Mod-High	G2, G4, G5, G6	Protects deeper sand and rock habitat in a regional center of high productivity.	
Del Mar Landing SMR	S MR	JC461	Existing Del Mar Landing SMP boundaries.	No Take	Very High	G2, G3, G5	Maintains an existing MPA valued by the local community. Protects abalone and finfish and their habitat.	
Black to Salt Point SMR	SMR	JC2	Northern boundary extends from shore at 38° 41' out to the extent of state waters. Southern boundary at 38° 34'.	No Take	Very High	G1, G2, G4, G5, G6	Provides the highest protection to complex rocky habitat and kelp (including coves, wash rocks, shelves, walls, cobble and boulders) and dependent species within a SAT preferred-size range reserve. Includes area with a relatively steep depth gradient. Protects biodiversity by covering an area large enough to protect the home ranges of many species likely to benefit from MPAs.	Discussed potential small adjustment to southern boundary line.

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Salt Point SMP	SMP	JC13	Modification of existing MPA boundaries. Abuts Sonoma Coast SMR in the north. Western boundary at 123° 21', and southern boundary at 38° 33'.	<p>Only the following species may be taken recreationally: finfish, red abalone, chitons, clams, cockles, rock scallops, native oysters, crabs, lobsters, ghost shrimp, sea urchins, mussels, and marine worms except that no worms may be taken in any mussel bed unless taken incidentally to the take of mussels.</p> <p>Only the following species may be taken commercially: finfish, crabs, ghost shrimp, jackknife clams, sea urchins, algae (except giant kelp and bull kelp) and worms except that no worms may be taken in any mussel bed, nor may any person</p>	Low	G3, G5	Enhance recreational experience via proximity to Black to Salt Point and Gerstle Cove SMRs.	Modifies the boundaries of an existing MPA to enhance enforceability.
Gerstle Cove SMR	SMR	JC463	Existing Gerstle Cove SMCA boundaries.	No Take	Very High	G1, G2, G3, G4	Protects intertidal habitat in an existing MPA that appears to be working for resident species. Enhances biodiversity protection from existing MPA via proximity to Black to Salt Point SMR.	
Russian River SMR	SMR	JC465	Box around the Russian River Estuary mouth. Western boundary extending south from point at 128° 8.6'. Southern boundary extending from goat rock at 38° 26.4'. Eastern boundary is the highway 1 bridge.	No Take	Very High	G2, G3, G4	Protects estuary and river plume habitat, as well as Coho, Chinook, and steelhead aggregations. Protects foraging and breeding areas for harbor seals and seabird colonies.	

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Bodega SMR	SMR	JC469	West boundary at 123°07'W; North boundary at 38° 22'N, following a diagonal from intersection with 123°06'W to the Tanks on shore; South boundary at 38° 17'N, to the whistle buoy and from the buoy to shore at the onshore light and up to the north boundary along mean high tide line.	No Take	Very High	G1, G2, G4, G5, G6	Protects an example of low and high relief rocky habitat that extends seaward to 3 miles, which is uncommon in the north central coast. Protects benthic species in area with high restoration potential. Increases opportunities for study and research from Bodega Bay Marine Lab.	Proximity to Bodega Marine Institute would leverage monitoring and enforcement resources. Expands long-term research reserve.
Bodega SMCA	SMCA	JC470	Offshore of the Bodega SMR. North boundary of 38° 22'N, out to west boundary at state waters limit; south boundary of 38° 16'N and an eastern boundary in the south of 123° 4.1'W	Allows commercial and recreational salmon trolling	Mod-High	G1, G2, G4, G5, G6	Protects an example of rocky habitat extending seaward to 3 miles, which is uncommon in the north central coast. Protects benthic species in area with high restoration potential. Increases opportunities of study and research from Bodega Bay Marine Lab.	
Tomales Bay SMRMA	SMRMA	JC15	Southern end of tomales bay below mean high tide line; western boundary of 122° 51'	No take of marine species. Allows duck hunting with Intent to phase it out via separate regulatory process	Very High	G1, G3, G4, G5	Protects estuary habitat, eel grass, tidal flats, tidal marsh and a nursery site for many species	
Point Reyes SMR	SMR	JC12	North boundary on west side at 38° 0.5', then around point to north east side at 38° 0". East boundary of 122° 57'. South boundary of 37° 59'. West boundary of 123° 2'.	No Take	Very High	G1, G3, G4, G5, G6	Protects a diversity of species, including bird colonies, fish and mammals. Covers a high energy rocky shoreline, offshore islets, and ocean floor habitats characterized by fractured granite and a mix of eroded bedrock, rocky shelf, and soft bottom, with varied oceanographic conditions. Protects an iconic place.	Leverages Pt. Reyes National Seashore enforcement and monitoring resources
Point Reyes SMCA	SMCA	JC11	Extending offshore of the Point Reyes SMR, west boundary at 123° 2' out to south boundary at state waters limit; east boundary at 122° 57'; north boundary at 37° 59'.	Allows commercial and recreational salmon trolling and commercial and recreational Dungeness crab take	Mod-High	G1, G3, G4, G5, G6	Helps protect a diversity of species, including fish and mammals. Covers a diversity of bottom habitats and oceanographic/wind conditions. Protects an iconic place.	
Drakes Estero SMR	SMR	JC16	Includes all of Drakes Estero and Estero de Limantour.	No Take (acknowledging that there is an existing mariculture lease that is due to expire in 2012).	Very High	G1, G2, G3, G4., G5	Protects eelgrass habitat and dependent species, as well as a nursery ground, seal pupping ground, and a foraging area for leopard shark and bat ray.	

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Double Point SMR	SMR	JC6	Inshore SMR extending from shore in the north along 37° 58' and in the south to 37° 55.3. Westward boundary is a line parallel to shore, intersecting the north boundary at 122° 49 and the south boundary at 122° 46'..	No Take	Very High	G1, G2, G3, G4, G5, G6	Protects rocky reef, rock and sand mosaic habitat, bull kelp stands, and associated fish, invertebrates (including red and black abalone), and seal colonies. Helps protect habitat for seabirds (ashy storm petrel, common murre, brown pelican). Replicates, to an extent, diverse intertidal and subtidal granitic rock and sand habitats at Fitzgerald reef.	Considering a Special Closure in this area. Leverages monitoring and enforcement resources of Pt. Reyes Nat. Seashore. Lies adjacent to Pt. Reyes Wilderness boundary.
Double Point SMCA	SMCA	JC5	SMCA offshore of the Duouble Pt. SMR. Northern boundary of 37° 58', southern boundary of 37° 55.3 and extending to state waters.	Allows commercial and recreational salmon trolling and commercial and recreational Dungeness crab take	Mod-High	G1, G2, G3, G4, G5, G6	Extends protection for reef and sand habitats to state water boundary. Contributes toward rockfish restoration.	Provides protection for benthic hard bottom species while leaving significant areas open for crab and salmon trolling, recreational and commercial. The reason for a diagonal is that it allows higher protection for rocky reef along coastline while allowing salmon trolling tacks offshore.
Duxbury SMCA	SMCA	JC7	Abutting the Double Pt. SMR and offshore SMCA on the northern boundary of 37° 55.3' Southern boundary of 37° 53'. Extends westward to state waters. Southeastern boundary at 122° 42'.	Allows commercial and recreational salmon trolling, commercial and recreational Dungeness crab, commercial halibut, and shorebased angling. All other take prohibited, including collection of live or dead invertebrates and algae from shore.	Moderate	G2, G3, G4, G5	Protects shale reef and sand and diverse intertidal habitats, and associated species. Includes portion of one of largest shale reefs in state in area that may be a rockfish nursery.	leaves open for fishing most of the popular Duxbury Reef and 11 Fathom Bank areas. Takes advantage of long monitoring history--two PISCO sites at Bolinas Point--and 27 -yr study by Dr. Gordon Chan (algae and inverts). Fosters educational use of intertidal area. Allows salmon, crab, and artisanal commercial halibut fishing important to Bolinas Harbor.
Fitzgerald - Devil's Slide SMR	SMR	JC18	Inshore SMR extending from shore in the north along 37° 36' out to a western boundary of 122° 33'. Southern boundary extends out from Pillar Point at 37° 39.7'.	No Take	Very High	G1, G2, G3, G4, G5, G6	Protects a mix of habitats, including rocky reef, bull kelp, and surfgrass, and wide array of fish, marine mammals, and invertebrates in one of most biodiverse areas of state, in an MPA within SAT preferred size range. Includes seabird and marine mammal sites (near Point San Pedro). Contributes toward enhanced research and education opportunities.	Supports purposes of the Nearshore FMP. Considering a Special Closure in this area.

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Fitzgerald - Devil's Slide SMCA	SMCA	JC17	Offshore of the Fitzgerald SMCA, northern boundary of 37° 36', southern boundary defined by Pillar Point, eastern boundary of 122° 33' and extending to state waters.	Allow salmon trolling, crab, coastal pelagics, squid (all for commercial and recreational fishing)	Mod-High	G1, G2, G3, G4, G5, G6	Protects a diverse mix of habitats, including rocky reef, bull kelp, and surfgrass. Protects a diverse array of fish, marine mammals, and invertebrates. Contributes toward enhanced research and education opportunities.	Intent is to allow recreational fishing for striped bass if that is consistent with moderate high protection
San Gregorio SMR	SMR	JC471	north boundary at 37° 21'; south boundary at 37° 18'; west boundary at state waters limit; east along shore below mean high tide line.	No Take	Very High	G1, G2, G5, G6	Protects a mix of rock and sand habitats, including an offshore rocky reef and intertidal habitats. Contributes toward network connectivity in the southern portion of the study region, with different exposure to wind and upwelling than closest MPA to south, at Año Nuevo.	Leaves open popular kayak fishing areas near Bean Hollow
North Farallon SMR	SMR	JC466	Box around north Farallon Island and extending north to state waters. Western boundary of 123° 7', Southern boundary of 37° 45.5, and Eastern boundary of 123° 4'	No Take	Very High	G1, G2, G4, G5	Protects predators, including as seabirds and marine mammals, and availability of prey in a highly productive habitat in area of high importance for foraging. Protects a globally important heritage site.	
Southeast Farallon SMR	SMR	JC472	Box around southeast Farallon Island with a northern boundary of 37' 43", a western boundary of 123° 3', a southern boundary of 37° 40.5', and a eastern boundary of 122' 59".	No Take	Very High	G1, G2, G4, G5, G6	Protects foraging predators, including as seabirds and marine mammals, and availability of prey in a highly productive mix of habitats. Protects a globally important heritage site.	Area is globally recognized for most abundant and diverse seabird colonies south of AK, breeding colonies of recovering marine mammals, importance to great white sharks. Long-term monitoring and data record. This MPA complex aims to keep Hurst shoal open for fishing. JC may consider an SMCA protecting forage fish in future iteration. Considering a Special Closure in this area.
Southeast Farallon SMCA	SMCA	JC467	Extending from Southeast Farallon SMR box out to extent of state waters in the west and south.	Allows commercial and recreational salmon trolling	High	G1, G2, G4, G5, G6	Protects deeper habitats southeast of the Farallon Islands. This area connects with drop to deep habitat to southwest of islands.	

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Consideration of Marine Bird and Mammal Protection: Within this MPA array, certain areas may warrant increased protection of marine birds and/or marine mammals through the use of "no disturbance" zones or special closures. If special closures are proposed, please include all of the information requested below (with the exception of the GIS ID). Note that the MLPA staff suggests sparing use of this designation.

Area	GIS ID	Bound-aries	Focus Species	Seasonality (Year round or what season)	Comments, Questions or Important Information
Point Reyes					
Double Point					
Devils Slide					
Farallones					

Consideration of Existing State MPAs in Draft Proposal 4 (JC) (December 12, 2007 version). Please indicate how each of the existing North Central Coast MPAs is considered within the draft proposal.

Existing MPA	Included Without Changes (retained)	Included with Boundary or Regulation Change	Not Included (eliminated)
Manchester and Arena Rock SMCA			Proposed for elimination
Del Mar Landing SMP		Included with same boundaries as an SMR.	
Salt Point SMCA		Included with same regulations and modified boundaries	
Gerstle Cove SMCA		Included with same boundaries as an SMR.	
Fort Ross SMCA			Proposed for elimination or name change to state marine cultural preservation areas
Tomales Bay SMP		Included with modified boundaries and changed to an SMRMA allowing duck hunting.	
Point Reyes SMCA		Modified by Point Reyes SMR	
Estero de Limantour SMCA		Modified by Drakes Estero concept	
Duxbury Reef SMCA		Modified by Duxbury Reef SMCA	

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Sonoma Coast SMCA		Modified by Bodega SMR	
Bodega SMR		Included within Bodega SMR.	
Fitzgerald SMP		Modified by Fitzgerald-Devils Slide SMR.	
Farallon Islands SMCA		Modified by North Farallon SMR and Southeast Farallon SMR.	