

**California MLPA North Central Coast Project**  
**Revised Draft External C (December 6, 2007 version)**

**Proposal name:** Revised Draft External Proposal C

**Proposal:** Proponents include: The Center for Oceanic Awareness, Research, and Education; Defenders of Wildlife; Environment California; The Friends of Fitzgerald Marine Reserve; California Coastkeeper Alliance; Marine Conservation Biology Institute; Russian Riverkeeper; San Francisco Baykeeper; The Marine Mammal Center; the Natural Resources Defense Council; and Ocean Outreach

**Format in which proposed MPA boundaries were submitted:** MPA Array in DoRIS

**Number and Type of MPAs in MPA proposal:**

SMR:	13
SMCA:	9
SMP:	1
SMRMA:	1
<b>Total:</b>	<b>24</b>

**Narrative:** See cover letter (appended to the end of this document).

**Draft MPA Proposal**

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**Provide ALL the information listed below for each individual MPA included in the initial proposal.**

MPA Name	Type	GISNAME	FullGISID	General MPA Boundaries	Allowed or Disallowed Uses	Regional Goals/Objectives	MPA-Specific Objectives	Comments, Questions or Important Information
Pt Arena SMR	SMR	External C Pt Arena S	XC10	Southern boundary a line due west from lighthouse road (approx. 38 56.4°N) to western boundary at 123 45°W then due north to northern boundary at 38 59', eastern boundary at 123 44', continuing west and south along the shore at the mean high tide line.	No take	G101, G102, G103, G104, G105 G201, G202, G203, G204 G301, G302 G402 G501, G503 G6 Meets all design considerations	Protect diverse species and unique and complex habitats (pinnacles, wash rocks, caverns, clefts, honeycomb formation, undercut and vertical rock walls, cobbles, deep sand, kelp), fueled by persistent upwelling. Iconic place. Pt. Reyes cluster protects headlands and replicates, to an extent, clusters at Pt Arena and Bodega Head. G102, G103, G201 and G202, and G402	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

**California MLPA North Central Coast Project**  
**Revised Draft External C (December 6, 2007 version)**

Pt Arena SMCA	SMCA	External C Pt Arena S	XC9	Eastern boundary is External C Pt Arena SMR 071203, north boundary is 38 59'N, south boundary is 38 56.40', west to state water limit.	Salmon trolling only, recreational and commercial	G101, G102, G103, G104, G105, G201, G202, G203, G204, G301, G302, G402, G501, G503 Meets all design considerations	Extend protection to the state boundary to encompass deeper habitat and associated species in a regional center of high productivity (see above). G102, G103, G201 and G202, and G402	
Saunders Reef SMCA1	SMCA	External C Saunders	XC23	North boundary: 38 52'N. West boundary: a diagonal line parallel to shore from 38 52'N / 123 41' W running to 38 49.5'N / 123 38'W. South boundary at 38 49.5'N. East boundary: shore at mean high tide line	Commercial urchin only	G102, G103 G201, G202, G203 G501, G502, G503 Meets all design considerations	Protect complex and highly productive kelp and rocky reef habitat (in younger, more complex rock than off Sea Ranch); one of largest stands of bull kelp on North Coast; and associated species, including nearshore rockfish and multiple abalone species G102, G103 G201, G202, G203 G501	Keeps open urchin fishing at Saunders, fishing & diving areas north and south of Haven's Neck for abalone divers, shore fishermen, and small boats launched from Anchor Bay.
Saunders Reef SMCA2	SMCA	External C Saunders	XC22	North boundary: 38 52' East boundary: a diagonal line roughly parallel to shore, crossing the north boundary at 123 41'W and the south boundary at 123 38'W; West boundary: state waters line; South boundary: 38 49.5'N	Salmon trolling only, recreational and commercial	G102, G103, G104, G105 G202, G203, G204 G302 G402 G501, G503 G6 Meets all design considerations	Extend protection to deeper water habitats and associated ecosystem. G103, G104, G105 G202, G203, G204 G302 G402 G501	In combination with Point Arena MPA cluster, the Mendocino coast SMCAs aim to provide some benefits of a larger MPA while maintaining fishing opportunities from the harbor
Del Mar Landing SMR	SMR	Del Mar Landing	XC1	See Section 632 (b)7 for boundaries	No take	G203, G302, G501	Maintain existing area that likely serves as abalone habitat and has value for local community G203, G302, G501	
Black to Salt Point SMR	SMR	External C Black to S	XC2	North boundary: 38 41'N South boundary: 38 34'N West boundary: state waters line East boundary: mean high tide line	No take	G101, G102, G103, G104, G105 G202, G203 G303 G402 G501, G503 G6 Meets all design considerations	Protect in preferred size SMR complex rocky habitat, kelp (including a series of coves, and off Salt Point, wash rocks, shelves, walls, cobble and boulders) and dependent species in an area that gets deeper faster than many parts of the region. Replicate, to some extent, for sedimentary rock and sand habitat at Bodega Head. G101, G102. G103. G104, G202	Leaves open for fishing and abalone diving the most popular sites in this portion of coast, south from Salt Point to the Fort Ross reef.

**California MLPA North Central Coast Project**  
**Revised Draft External C (December 6, 2007 version)**

Gerstle Cove SMR	SMR	Gerstle Cove	XC21	Section 632(b)9	No take	G101, G103, G103 G201, G202 G301, G302 G501, G502	Protect cove with exposed wash rock, gravel/sand bottom with rocky outcrops, and associated species, and help increase biodiversity protection via close proximity to Black-to-Salt SMR. G103, G201, G202	MPA appears to be working, with evidence of increased abalone within the site. Currently enforced as an SMR.
Salt Point SMP	SMP	External C Salt Point	XC13	North boundary is 38 34'N; West boundary 123 21'W; South boundary 38 33'N; East boundary shoreline at mean high tide line	Recreational fishing for finfish and abalone only	G302, G501	Enhance recreational experience due to proximity to Black to Salt Point SMR G302, G501	
Russian River SMR	SMR	ExternalC NRDC Russian River	XC20	West boundary is line due south from the point at 123° 09.1' W at west end of Russian River Rocks. South boundary is line due west from the point at Peaked Hill (38° 25.8' N). East boundary: shore at mean high tide line and up the estuary to 123° 07' W	No take	G201, G301, G401, G402 Meets all design considerations	Protect lower Russian River Estuary, part of area affected by river plume, coho, chinook, and steelhead as they gather to enter the Russian River, and foraging and breeding areas for harbor seal colony and seabird colonies on Russian River Rocks and Arched Rock. G201, G301, G401, G402.	
Bodega SMR	SMR	External C Bodega Strait	XC4	North boundary: 38 21'N Western boundary: 123 07'W South boundary: 38 16'N Eastern boundary: 123 3.5'W to shore; continue north along shore at mean high tide line	No take	G101, G102, G103, G104, G105 G202 G301, G303 G402 G501, G503 G6 Meets all design considerations	Protect uncommon example of rocky habitat extending from shore to 3-mi limit, includes high energy headlands, heavily fished areas with restoration potential. Replicates, to some extent, sedimentary rock and sand at Black to Salt Point G102, G105, G301, G303, G402, G503, G6	Proximity to Bodega Marine Institute would leverage monitoring and enforcement resources. Expands long-term research reserve
Bodega SMCA	SMCA	External C Bodega Strait	XC3	North boundary: 38 21' Eastern boundary: 123 07' Western boundary at state waters line.	Salmon trolling only, recreational and commercial	G101, G102, G103, G104, G105 G202, G204 G301, G303 G402 G501, G503 G6 Meets all design considerations	Extend protection to include deeper water and varied habitat. G102, G105, G303, G402, G503, G6	

**California MLPA North Central Coast Project  
Revised Draft External C (December 6, 2007 version)**

Tomales Bay South SMRMA	SMRMA	External C Tomales Bay	XC15	Southern Tomales Bay waters below the mean high tide line south of Millerton Point. West boundary 122° 51'W North, east and south boundaries are the mean high tide line along shore including the soon-to-be-restored Giacomini wetlands and Olema Marsh to the extent these areas are in the marine region.	No take of marine species. Intent is to phase out duck hunting via separate regulatory process	G101, G102, G103, G104, G105 G201, G203, G204 G301, G303 G401, G402 G501, 502, G503 G6 Meets all design considerations	Protect tidal flats, tidal marsh, eelgrass, tidewater goby, estuary, shark aggregations, and entry for Coho and Steelhead. G101, G104, G301, G303 G401, G402, G503	
Pt Reyes SMR	SMR	External C Pt Reyes	XC12	Western boundary: 123 02'W North boundary: On west side of headland, 38 0.5'N then south along shore at mean high tide line, around headlands's west and east points and up along 38 00'N; Eastern boundary: 122 57'W South boundary: 37 59'N	No take	G101, G102, G103, G104, G105 G201, G202, G203, G204 G301, G302 G402 G503, G6 Meets all design considerations	Protect diverse fish, seabird and marine mammal species and habitats including exposed high energy rocky shoreline, offshore islets, surf grass, soft and hard substrates in an area characterized by fractured granite and a mix of eroded bedrock, rocky shelf, and soft bottom. Iconic place. G101, G102, G105, G301, G402, G503	
Pt Reyes SMCA	SMCA	External C Pt Reyes	XC11	Eastern boundary: 122 57'W. North boundary 37 59'N (contiguous with Pt. Reyes SMR boundary); West boundary at 123 02'W; South boundary state waters line.	Salmon trolling, commercial and recreational; Dungeness crab pots, commercial and recreational	G101, G102, G103, G104, G201, G202, G203, G204 G301, G302 G402 G503 G6 Meets all design considerations	SMCA extends protection offshore to the state boundary for diverse fish, seabird and marine mammal species in deeper hard and soft bottom. G101, G102, G301 G402, G503, G6	

**California MLPA North Central Coast Project**  
**Revised Draft External C (December 6, 2007 version)**

Drakes - Limantour Estero SMR	SMR	ExternalC NRDC Dra	XC16	This area includes all the waters below mean high tide within Drakes Estero and Estero de Limantour lying inside 38 02'N (north and east of that lat line).	No take after 2012 when existing oyster cultivation reservation of use expires. No take other than for oyster cultivation until that time.	G101, G103, G104, G105 G201, G202, G203 G301, G303 G401, G402 G503 Meets all design considerations	Protect eelgrass, significant fish and invertebrate nursery ground, foraging area for leopard shark and bat ray, harbor seal haulout and pupping site, habitat for eelgrass-dependent black brandt. G101, G104, G203, G301, G303, G401, G402	
Double Point SMR	SMR	External C Double Pc	XC6	Northern boundary is 37° 58' N. Eastern boundary is shore at mean high tide line Southern boundary is 37° 55.3' N. Western Boundary is the diagonal from 37° 58'N / 122° 49'W to 37° 55.3'N / 122° 46'W	No take	G101, G102, G103, G104, G105 G201, G203 G301, G302, G303 G402 G501, G502. G503 G6 Meets all design considerations	High protection for rocky reef, rock and sand mosaic habitat, bull kelp stands, and associated fish, invertebrates (including red and black abalone), and seal colonies. Help protect habitat for seabirds (ashy storm petrel, common murre, brown pelican). Adjacent to iconic Pt. Reyes Nat. Seashore. Replicates, to an extent, diverse intertidal and subtidal granitic rock and sand habitats at Fitzgerald reef. G101, G102, G103, G104, G105, G201, G203, G301, G302, G303, G402	The reason for a diagonal is that it follows the coast line, allowing higher protection (commensurate with status of part of area as wilderness) for the rocky reef while allowing uninterrupted salmon trolling offshore.
Double Point SMCA	SMCA	External C Double Pc	XC5	Northern boundary is 37° 58' N. lat. Western boundary is state waters line Southern boundary is 37° 55.3' N. Eastern Boundary is the diagonal from 37° 58'N \ 122° 49'W to 37° 55.3'N \ 122° 46'W	Crab pots and salmon trolling, recreational and commercial	G101, G102, G103, G104, G105 G201, G203 G302 G402 G501, G502. G503 G6 Meets all design considerations	Extend protection of rocky reef fish and invertebrates to state water boundary. G101, G103, G104, G203, G302	Provides protection for benthic hard bottom species while leaving significant areas open for crab and salmon trolling, recreational and commercial

**California MLPA North Central Coast Project**  
**Revised Draft External C (December 6, 2007 version)**

Duxbury Reef SMCA	SMCA	External C Duxbury Reef	XC7	North boundary is 37° 55.3'N; Western boundary is state waters line; South boundary 37° 53'N; East boundary is 122° 42'W, boundary of existing Duxbury SMCA, continuing along shore at mean high tide line. (The small irregular extension east and north past 37° 53.6' N. lat. 122° 42' W. long to 122° 41.9' W and north to shore allows the SMCA to retain the existing Duxbury Reef SMCA boundary for protection of mussel beds at Duxbury Reef.)	Allowed: salmon trolling, commercial and recreational; Dungeness crab pots, commercial and recreational, halibut commercial by boat, recreational finfish fishing from shore. All other take prohibited, including collection of live or dead invertebrates and algae from shore.	G101, G102, G103, G104, G201, G203, G301, G302, G402, G501, G502, G503, G6 Meets all design considerations	Protect rocky reef and help restore dependent species including rockfish in heavily impacted rock and sand habitat, while allowing fishing for salmon and sandy bottom species. Includes portion of one of largest shale reefs in state and diverse intertidal habitats fueled by upwelling in area that may be a rockfish nursery. Replicates, to an extent, diverse intertidal and subtidal rock and sand habitats at Fitzgerald reef. G101, G102, G103, G104, G201, G203, G301, G302, G402	Leaves open for fishing most of the popular Duxbury Reef, much of surrounding rock and rock-sand finger area, and 11 Fathom Bank. Incorporates and raises protection level for existing intertidal Duxbury SMCA; takes advantage of long monitoring history -- two PISCO sites at Bolinas Point, educational use of Duxbury Reef, 27-year study by Dr. Gordon Chan (algae and invertebrates), 1996 flora & fauna inventories by Gulf of the Farallones Nat. Marine Sanct. Allows salmon, crab and artisanal halibut fishing important to Bolinas Harbor
Fitzgerald - Devils Slide SMR	SMR	ExternalC NRDC Fitzgerald	XC18	North boundary is 37° 36'N aligned with Shelter Cove Point, and south boundary is aligned with extent of current Fitzgerald Park at Pillar Point 37° 29.7'N; East boundary is shore at mean high tide line. West boundary is 122° 33'W.	No take	G101, G102, G103, G104, G105, G201, G202, G203, G204, G301, G302, G303, G304, G402, G501, G502, G503, G6 Meets all design considerations	High protection for one of most biodiverse regions in state. Protect a portion of the offshore reefs in support of the Nearshore FMP. Include a mix of sand, rock, bull kelp, and surf grass habitat including seabird and marine mammal sites (near Point San Pedro) in an MPA within SAT preferred size range. Includes habitat supporting 25% of CA nudibranchs, 77% of shelled gastropods found in central CA, 22% of CA macroalgae, 37% of west coast of North America chitons. G101, G102, G103, G104, G105, G201, G202, G203, G301, G303, G402, G503	Popular education area with longstanding education and study programs (LIMPET and PISCO sites). Declining landings trends confirm need for high protection, which would support species in Nearshore FMP. "Low Tide Watch" Program educates public to be stewards of tide pools, report poachers

**California MLPA North Central Coast Project**  
**Revised Draft External C (December 6, 2007 version)**

Fitzgerald - Devils Slide SMCA	SMCA	External C Fitzgerald	XC17	North boundary is 37° 36'N aligned with Shelter Cove Point, and south boundary is aligned with southern boundary of current Fitzgerald Park at Pillar Point 37° 29.7'N; east boundary is 122° 33'W; west boundary is the state water boundary.	Salmon trolling and crab pots, commercial and recreational only	G101, G103, G104, G105 G204 G302, G303, G402 G501, G502, G503 G6 Meets all design considerations	Protect continuum of deeper habitat and sand and associated species. G101, G104, G105, G204, G303, G402, G503, G6	
Pescadero - Bean Hollow SMR	SMR	External C NRDC Pes	XC19	North boundary is 37° 16.5'N aligned with cliffs at north end of Pescadero State Beach, and south boundary is 37° 13.4'N aligned with small point at the south end of Bean Hollow Beach. West boundary is the state water boundary. East boundary is shore at mean high tide line.	No take	G101, G102, G103, G104, G105 G201, G202, G203, G204 G301, G302, G303, G402 G501, G502, G503 G6 Meets all design considerations	Protect mix of rocky intertidal and associated species. Habitat is rock and sand bottom and bull kelp with different exposure to wind and upwelling and greater depth range than closest MPA to south, at Año Nuevo. Encompasses wave-cut rock platforms, washrocks, pocket beaches, rocky point, coves, forage area for endangered marbled murrelets breeding in Pescadero watershed, quality black abalone habitat at Pigeon Point, Bean Hollow. Local foraging crucial to murrelet reproduction G101, G102, G103, G104, G105, G201, G202, G301, G303, G402, G503	
N Farallon SMR	SMR	External C N Farallon	XC8	Western boundary: 123 07'W Northern Boundary: 37 48' N Southern boundary: 37 45.5'N Eastern boundary: 123 04'W	No take	G101, G102, G103, G104, G105 G201, G202, G203, G204 G301, G302, G303 G401, G402 G501, G502, G503 Meets all design considerations	Help protect concentrations of prey and foraging predators—fish and breeding colonies of seabirds and marine mammals—at highly productive and unique mix of habitats. Globally important heritage site. G101, G102, G103, G104, G105 G201, G203, G204, G401	
N Farallon SMCA	SMCA	N Farallon SMCA	XC24	Western boundary: 123 07'W Northern Boundary: State Waters line Southern boundary: 37 48'N Eastern boundary: 123 04'W	Salmon Trolling only, recreational and commercial	G101, G102, G104, G105 G203, G204 G302, G303 G401 G501, G503 Meets all design considerations	Protect forage base for birds and mammals at islands, while allowing salmon trolling G101, G102, G203, G204 G302, G401, G501	

**California MLPA North Central Coast Project  
Revised Draft External C (December 6, 2007 version)**

S Farallon SMR	SMR	External C SFarallon	XC14	North boundary: 37 43' East boundary: 122 59' to state water boundaries	No take	G101, G102, G103, G104, G105 G201, G202, G203, G204 G301, G302, G303 G401, G402 G501, G502, G503 G6 Meets all design considerations	Help protect concentrations of prey and foraging predators—fish and breeding colonies of seabirds and marine mammals—at highly productive, unique mix of habitats. This area connects with drop to deep habitat to southwest of islands. Globally important heritage site. G101, G102, G103, G104, G105 G201, G203, G204, G401, G6	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.
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**Consideration of Existing State MPAs**

**Proposal Name:** *Revised Draft External Proposal C* Please indicate how each of the following existing MLPA North Central Coast MPAs is considered within your initial MPA proposal.

Existing MPA	Included Without Changes (retained)	Included with Boundary or Regulation Change (modified)	Not Included (proposed for elimination)
Manchester and Arena Rock SMCA			X
Del Mar Landing SMP	X		
Salt Point SMCA			X
Gerstle Cove SMCA	X		
Fort Ross SMCA			X If retain, suggest change to State Marine Cultural Preservation Area
Tomales Bay SMP	X		
Point Reyes SMCA	X		
Estero de Limantour SMCA	X		
Duxbury Reef SMCA	X		
Sonoma Coast SMCA	X		
Bodega SMR	X		
Fitzgerald SMP	X		
Farallon Islands SMCA	X		

**California MLPA North Central Coast Project**  
Revised Draft External C (December 6, 2007 version)

**Consideration of Marine Bird and Mammal Protection (OPTIONAL)** 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 to be Considered	GIS ID		Boundaries	Focus Species	Seasonality (Year round or what season)	Comments, Questions or Important Info.