

California MLPA North Central Coast Regional Stakeholder Group
Emerald Work Group Initial MPA Array, "Option A"
For initial review by the MLPA Master Plan Science Advisory Team and Blue Ribbon Task Force
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

NAME OF INITIAL MPA ARRAY: *Emerald Work Group Initial MPA Array, "Option A" (Array Option EA)*

FORMAT IN WHICH PROPOSED MPA BOUNDARIES WERE SUBMITTED:

MPA ARRAY IN DORIS HARDCOPY MAP TO STAFF GIS FORMAT

NUMBER AND TYPE OF MPAS IN INITIAL MPA ARRAY:

16 SMR 2 SMP 8 SMCA 26 Total # MPAs

NARRATIVE RATIONALE: *[Please describe how this initial MPA array option meets MLPA goals, the approach used to develop the components, and other comments] – [You don't have to do this yet.]*

Initial MPA Array

Initial MPA Array Name: Emerald Work Group Initial MPA Array, "Option A" (Array Option EA)

Provide ALL the information listed below for each individual MPA included in the initial MPA array option.

Opt	MPA Name	MPA Type	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
A	Pt. Arena-Arena Rock SMR	SMR	37	North from point past Arena Rock, west out over the reef. Narrower band follows shore down to above Arena Cove.	No take	Goals: 1,2,4 Protect important habitat - Good rock, caves and sand. include Arena Rock in reserve	The Arena Rock area has high diversity of habitat. Leaves open sandy bottom fishing ground off Manchester Beach important for commercial and recreational.
A	Pt. Arena-Arena Rock SMCA	SMCA	235	Includes seal rocks, and beach north of Pt. Arena	Allows crab, salmon shore fishing	Goals: 2,4 Protects habitat and reef	
A	Del Mar Landing SMP	SMP	265	Existing MPA	Take of all living marine resources is prohibited except the recreational take of finfish by hook and line or spear.		Retain existing MPA.
A	Black Point to Salt Point SMR	SMR	222	SMR adjacent to shore from Black Point is an extension of SMP to the south	No take	Goals: 1,2,4 SMR protects 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.	SMR/SMCA is in preferred size range

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A	Black Point to Salt Point SMCA	SMCA	221	Offshore of SMR	Allows salmon trolling, crab	Goals: 1,2,4 Protection of rockfish in deeper areas and habitat	
A	Salt Point SMP	SMP	50	Extension of SMR	SMP rec only Allows finfish and abalone	Goals: 2,3,4 Protect habitat	Purpose of SMP is to offer a park experience in waters adjacent to a popular coastal state park.
A	Fort Ross SMCA	SMCA	266	Existing MPA	No recreational take of living or non-living marine resources is allowed except: finfish, red abalone, chiones, 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. Commercial take of species other than giant kelp and bull kelp is allowed.		Retain existing MPA.
A	Russian River SMR	SMR	248	West boundary is line due south from point at west end of Russian River Rocks	No take	Goals: 2,4 Includes portion of the Russian river plume and lower Russian River	Water quality issues and impaired habitat upstream.

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				and southern boundary is line due west from point just south of Arched Rock. Extent to north south line in estuary west of Penny Island.		Estuary. Protect Coho, Chinook, and steelhead as they gather to enter the Russian River. Protects harbor seal colony and Russian River Rocks and Arched Rock seabird colonies	
A	Russian River Estuary SMR	SMR	264	Estuary only	No take	Goals: 1,2,4	Includes portion of the Russian river plume and lower Russian River Estuary. Protect Coho, Chinook, and steelhead as they gather to enter the Russian River. Protects harbor seal colony and Russian River Rocks and Arched Rock seabird colonies
A	Bodega Head SMR	SMR	241	From 38° 22'N south to a SW corner at 38° 14.8'N Then a diagonal back to the Head SMR to about 1 mile off shore	No take	Goals: 1,2,3,4 Protect an entire reef that extends to the state water boundary	
A	Bodega Head SMCA	SMCA	239	From 38° 22'N south to a SW corner at 38° 14.8'N Then a diagonal back to the Head SMCA starts about 1 mile off shore	No take of ground fish	Goals: 2,4 Protect ground fish pops, entire rocky reef extend to State water	Interest in allowing squid fishing north of mussel point. How does this affect the SAT protection level?

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A	Estero de Americano SMR	SMR	208	Across mouth of estero	No take	Goals: 1,2,4 Protect unique estuary habitat with Tidewater goby, migratory birds, rare nudibranch, sea cucumbers, and high biodiversity. The area is prime for ASBS, with little fishing pressure.	The Gulf of the Farallones National Marine Sanctuary recommends establishing reserve here.
A	Estero De San Antonio SMR	SMR	209	Across mouth of estero	No take	Goals: 1,2,4 Protect unique estuary habitat with Tidewater goby, migratory birds, rare nudibranch, sea cucumbers, and high biodiversity. The area is prime for ASBS, with little fishing pressure. The Gulf of the Farallones National Marine Sanctuary recommends establishing reserve here. This is the only somewhat undisturbed Mediterranean estuary left with salinity from 10-44ppt. Supports CA freshwater shrimp - Endangered species; Historical robust steelhead fishery; Downstream component severely impaired	The Gulf of the Farallones National Marine Sanctuary recommends establishing reserve here.

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A	Tom's Point SMR	SMR	249		No take except mariculture	Goals: 1,2,4 Excellent eel grass habitat and estuarine flats. Excellent habitat for brandt and shorebirds. Fish nursery area. Conserve over harvested clam beds. Protect harbor seal haulouts and breeding colonies from disturbance. Protects unique intertidal and marsh area and forage and resting space for shorebirds	Will seek no expansion of oyster footprint
A	Tomales Bay South SMR	SMR	59	Millerton Point in Tomales Bay across, and all area south in bay. Replace existing SMP in south part with the SMR.	No take	Goals: 1,2,4 Shallow water eelgrass, tidewater goby, many other species for protection. Shark aggregations. Entry for Coho and Steelhead. Southern end is being restored as the Giacomini Marsh Wetland. Olema Marsh	Seek regulation change to eliminate duck hunting.
A	Point Reyes Headlands SMR	SMR	236	SMR around headland and rocky reef extends up to mouth of Drakes estero on a diagonal SMCA offshore extends to Pt Resistance	No take	Goals: 1,2,4 Protect smaller amount of rocky and sand bottom habitat along headland but more along Drake's Beach.	
A	Point Reyes	SMCA	224	SMR around	SMCA – salmon,	Goals: 2	

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	Headlands SMCA			headland and rocky reef extends up to mouth of Drakes estero on a diagonal SMCA offshore extends to Pt Resistance	crab, halibut, squid, and shorebased fin-fishing	Protects groundfish	
A	Drakes - Limantour Estero SMR	SMR	243	Across mouth of estero	No take	Goals: 1,2,4 Preserves limited eelgrass left in state; Estero may represent ~ 7% of state total. Includes important fish and invertebrate nursery ground, Leopard Shark and Bat Ray foraging and possible breeding location, Dungeness crab and halibut nursery area, steelhead trout, likely tidewater goby, large harbor seal haulout and pupping site.	The intent is for this MPA to be an SMR. It may have to be designated as an SMCA allowing mariculture and then become an SMR in 2012 after the oyster reservation of use expires
A	Duxbury Reef SMCA	SMCA	267	Existing MPA.	Only the following species may be taken recreationally: red abalone, Dungeness crab, rock crabs, rockfish (family Scorpaenidae), lingcod, cabezon, surfperch (family Embiotocidae), halibut, flounder, sole, turbot, salmon, kelp greenling,		Retain Existing MPA.

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					<p>striped bass, steelhead, monkeyface-eel, wolf-eel, smelt, and silversides.</p> <p>Commercial take of species other than giant kelp and bull kelp is allowed.</p>		
A	Bolinas Lagoon SMR	SMR	201	Waters inside mouth of lagoon.	No take	<p>Goals: 1,2,4</p> <p>Protect and preserve unique estuary habitat of Bolinas Lagoon. Include important clamming, fish and invertebrate nursery ground, harbor seal haulout and pupping site, bird feeding and resting areas.</p> <p>Over 600 acres of mudflats</p>	RAMSAR site (The Convention on Wetlands, signed in Ramsar, Iran, in 1971, is an intergovernmental treaty which provides the framework for national action and international cooperation for the conservation and wise use of wetlands and their resources.)
A	Fitzgerald SMR	SMR	213	Extend south from Shelter Cove Point to the southern end of current Fitzgerald reserve, to include San Pedro Point, Devil's Slide, Montara Beach and Moss Beach coast.	No take	<p>Goals: 1,2,3,4</p> <p>Protect depleted near shore fisheries and include a mix of habitat types in one SMR. Includes a mix of shale and granite hard bottom and sand bottom. Upgrade protection at Fitzgerald from park to reserve.</p>	A preferred size MPA
A	Fitzgerald SMCA	SMCA	214	Extend south from Shelter Cove Point to	Allows SMCA-salmon trolling and	<p>Goals: 1,2,4</p> <p>Protects rock reefs and</p>	

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				the southern end of current Fitzgerald reserve, to include San Pedro Point, Devil's Slide, Montara Beach and Moss Beach coast.	crabbing	depleted nearshore species	
A	Pescadero Marsh SMR	SMR	263	Waters inside mouth of Pescadero Creek outlet	No take	Goals: 1,2,4 To protect habitat, steelhead	Has seasonally closed mouth
A	Farallon South SMR	SMR	212	Roughly southern 1/3 of subregion	No take	Goals: 1 Purpose of SMR is to allow natural ecosystem function in a key portion of the subregion.	This SMR would eliminate the only squid fishing grounds here Need to further discuss no disturbance and anchoring How to expand current no disturbance from 300 – 1000ft and make it year round – also address balance between disturbance issues and anchoring/ safety on SE side
A	North Farallon SMR	SMR	250	Northern Farallons Southern boundary is below rocks,	No Take	Goals: 1,2,3,4 Protects upper rocks + stellar sealion, bird colonies, biodiversity, habitat	For protection of birds (murre), does extending a no transit zone in the SMR protect both bird colonies and stellar sealions? Discussed whether this will affect wildlife viewing. Strong discussion on distances that affect flushing behavior for stellar sealion. Feeling is need to

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							<p>get clarification on this</p> <p>Discussed - year round NO-TRANSIT zone from southern boundary to 300 ft north of the northern rock</p>
A	Farallon SMCA	SMCA	254	Follows RCA boundaries	Allows current uses and does not change current regulations	<p>Goals: 1,2,4</p> <p>Protects forage base = juvenile rockfish for seabirds (juvenile rockfish are forage for birds)</p>	<p>If existing RCA changes within this SMCA the rockfish regs will not change</p> <p>Not intended to change anything at present but locks it in as an MPA for future</p> <p>This reserves the area to help prioritize future adaptive management and research areas (idea is if it is an MPA, it is a high priority for adaptive mgmt and research) because Farallons are such a special place –</p> <p>This SMCA tacks into the Farallon South SMR and North Farallon SMR, areas currently allowing fishing</p>

Consideration of Marine Bird and Mammal Protection

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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. Detailed design of these areas will be postponed until the California Department of Fish and Game has distributed guidance for creating these areas. Within this MPA array, areas suggested by the proponents for potential consideration are listed below. Note that these areas are identified on the accompanying map, but are not considered in the MLPA Science Advisory Team size and spacing analysis.

Opt	Area to be Considered	General location/extent	Comments, Questions or Important Information
A	Pt Reyes special closure area	Wraps around headland - 1000 ft off shore	To prevent disturbance to and protect seabirds, No disturbance zone 1000 ft – all year
A	Fitzgerald special closure	1000 ft off shore	To prevent disturbance to and protect seabirds, No disturbance zone 1000 ft – all year
A	SE Farallon Special Closure	1000ft around northwest portion of the island (extending the current seasonal closure).	To prevent disturbance to and protect seabirds, stellar sealions No disturbance zone 1000 ft – all year

Consideration of Existing State MPAs

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Please indicate how each of the following existing MLPA North Central Coast MPAs is considered within your initial MPA array option.

Existing MPA	Included Without Changes (proposed to be retained)	Included with Boundary or Regulation Change (proposed to be modified)	Not Included (proposed for elimination)
Manchester and Arena Rock SMCA	Replaced by Pt. Arena/Arena Rock MPA	Replaced by Pt. Arena/Arena Rock MPA	
Del Mar Landing SMP	Included for now		
Salt Point SMCA	Replaced by Black Point to Stumps SMR and Salt Point SMP	Replaced by Black Point to Stumps SMR and Salt Point SMP	
Gerstle Cove SMCA	Replaced by Salt Point SMP	Replaced by Salt Point SMP	
Fort Ross SMCA	Included for now		
Tomales Bay SMP	Replaced by South Tomales Bay SMR	Replaced by South Tomales bay SMR	
Point Reyes SMCA	Replaced by Pt. Reyes MPA or possibly retain	Modified allowable take.	
Estero de Limantour SMCA	Replaced by SMR	Replaced by SMR	
Duxbury Reef SMCA	Included for now		
Sonoma Coast SMCA		Modified by Bodega MPAs	
Bodega SMR	Replaced by Bodega Head SMR	Replaced by Bodega Head SMR	
Fitzgerald SMP	Modified by Fitzgerald concepts.	Modified by Fitzgerald concepts.	
Farallon Islands SMCA	Modified by Farallon Islands concepts.	Modified by Farallon Islands concepts.	