

**California MLPA North Central Coast Regional Stakeholder Group**  
**Emerald Work Group Initial MPA Array, "Option B"**  
*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 B" (Array Option EB)*

**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:**

\_15\_ SMR      \_2\_ SMP      \_14\_ SMCA      \_31\_ Total # MPAs

**NARRATIVE RATIONALE:** *[Please describe how this initial MPA array 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 B" (Array Option EB)

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

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
B	Pt. Arena-Arena Rock Inshore SMCA	SMCA	255	Same shapes as Option A but Shape #37 in Option A becomes an SMCA	In #255 Only recreational shore based finfish allowed. NO abalone	G2,4 Protection of habitat and abalone	Allows shore fishing at Stornetta but not abalone – this includes a ribbon of 100yds along shore for shore based finfish fishing
B	Pt. Arena-Arena Rock Offshore SMCA	SMCA	235	Includes seal rocks, and beach north of Pt. Arena	Allows crab, salmon shore fishing including abalone	G2,4 Protect habitat and groundfish	Good rock, caves and sand. Include Arena Rock in reserve
B	Saunders Reef to Fish rocks SMR	SMR	46	Southern boundary is at Haven's Neck	No take	G1,2,4 Protect complex and highly productive kelp and rocky reef habitat and associated species, including nearshore rockfish, in an area fished heavily in the past  Completes a cluster with the Pt Arena MPA.  Open area in between is in support of Pt Arena harbor and some access points.	Saunders reef is open for urchin fishery.  Consider moving boundaries north.  Discussion of possibly moving boundary north to Haven's neck and including a no disturbance area off fish rocks to protect birds = around the offshore rock (500 ft) – problems are kayakers go between rocks and mainland
B	Saunders Reef to Fish rocks	SMCA	45	Southern boundary is at	SMCA TBD Urchin, abalone,	G1,4 SMCA at this site would	Consider allowing shore fishing in the SMCA

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
	SMCA			Haven's Neck	salmon  Consider shorefishing	protect complex and highly productive kelp and rocky reef habitat and associated species, including nearshore rockfish, in an area fished heavily in the past	Allow urchin to protect kelp bed
B	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.
B	Stewarts Point SMCA	SMCA	257	100 yd. ribbon along shore inside SMR #238	Only recreational shorefishing for finfish and abalone 100yds	G3 Goal is to allow shorefishing	This MPA is a ribbon that allows shorebased fishing. The group intended for this MPA complex to be shifted 1 nm north.
B	Black Point to Salt Point SMR	SMR	238		No take	G1,2,4 SMR protects rocky habitat but less of the complex deep drop off around Horseshoe Cove compared to option A.	SMR/SMCA is in minimum size range  Fulfills minimum size and spacing guidelines  The group intended for this MPA complex to be shifted 1 nm north.
B	Black Point to Salt Point SMCA	SMCA	237	This is the smaller offshore SMCA	SMCA – salmon, crab, halibut	G1,2,4 Protection of rockfish in deeper areas and habitat	The group intended for this MPA complex to be shifted 1 nm north.
B	Rocky Point to Salt Point SMP	SMP	247	Rocky Point to Salt Point.	SMP recreational only Allows finfish and abalone	G2,3,4 Allows fishing and aims to protect habitat and populations	Purpose of SMP is to offer a park experience in waters adjacent to a popular coastal state park.

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
B	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.
B	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
B	Bodega Head SMR	SMR	242	From 38° 22'N south to a SW	No take	G1,2,3,4 Protect an entire reef that	Check on location of state park campground near

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
				corner at 38° 14.8'N Then a diagonal back to the Head SMR to 2 miles off shore		extends to the state water boundary	salmon creek?
B	Bodega Head SMCA	SMCA	240	From 38° 22'N south to a SW corner at 38° 14.8'N Then a diagonal back to the Head SMR to 2 miles off shore	SMCA – salmon trolling, crab	G2,4 Protect ground fish, entire rocky reef. Extend to State water line.	Interest in allowing squid fishing north of mussel point. How does this affect the SAT protection level?
B	Estero de Americano SMR	SMR	208	Across mouth of estero		G1,2,4 Protect unique estuary habitat with Tidewater goby, migratory birds, rare nudibranch, sea cucumbers, high biodiversity. (Goal 1, 4) The area is prime for ASBS, with little fishing pressure.	The Gulf of the Farallones National Marine Sanctuary recommends establishing reserve here.
B	Estero De San Antonio SMR	SMR	209	Across mouth of estero		G1,2,4 Protect unique estuary habitat with Tidewater goby, migratory birds, rare nudibranch, sea cucumbers, high biodiversity. (Goal 1, 4) The area is prime for ASBS, with little fishing pressure. The Gulf of the Farallones National	The Gulf of the Farallones National Marine Sanctuary recommends establishing reserve here.

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
						<p>Marine Sanctuary recommends establishing reserve here.</p> <p>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</p>	
B	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	G1,2,4 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.
B	Tom's Point SMCA	SMCA	261	Off Tom's point across 2/3rds of Bay	Finfish fishing and mariculture allowed	G1,2,3,4 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	

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
						disturbance. Protects unique intertidal and marsh area and forage and resting space for shorebirds	
B	Point Reyes Headlands area SMR	SMR	246	SMR around headland from the existing SMCA #258 and includes the rocky reef to sand bottom to south.	No take	G1,4 Provide complete protection to habitats with soft and hard substrates and associated species in an area characterized by both fractured granite and a mixture of eroded bedrock, rocky shelf, and soft bottom. Protect seabird and marine mammal breeding, resting, and foraging areas.	Addition of an SMCA along the head for commercial take
B	Existing Point Reyes SMCA	SMCA	258	Existing MPA.	Includes existing commercial MPA along the head and allows existing commercial take of halibut only	G2,3,4 Protection from recreational disturbance to sea birds and allow commercial fishing of halibut, increase educational and research opportunity and wildlife viewing and interpretive programs	This goes inside the SMR from Samantha
B	Point Reyes Headlands area SMCA	SMCA	225	Extends south to state water boundary	Allows salmon trolling, crab	G1,2,4 Provide complete protection to habitats with soft and hard substrates and associated species in an area characterized by	

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
						both fractured granite and a mixture of eroded bedrock, rocky shelf, and soft bottom. Protect seabird and marine mammal breeding, resting, and foraging areas. Protects groundfish	
B	Drakes - Limantour Estero SMR	SMR	243	Across mouth of estero	No take	G1,2,4 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.
B	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,		Retain Existing MPA.

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
					sole, turbot, salmon, kelp greenling, striped bass, steelhead, monkeyface-eel, wolf-eel, smelt, and silversides.  Commercial take of species other than giant kelp and bull kelp is allowed.		
B	Bolinas Lagoon SMR	SMR	201	Waters inside mouth of lagoon.	No take	G1,2,4 Protect and preserve unique estuary habitat of Bolinas Lagoon. Include important clam, fish and invertebrate nursery ground, harbor seal haulout and pupping site, bird feeding and resting areas. Over 600 acres of mudflats	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.)
B	Fitzgerald SMR	SMR	245	The SMR matches the current Fitzgerald Marine boundary. The SMCA extends offshore and around the SMR to the north.	SMR no take	G1,2,3,4 Protect depleted near shore fisheries along Fitzgerald. Upgrade protection at Fitzgerald from park to reserve.	Compared to Option A SMR, This SMR leaves the waters from Montara north open for fishing.
B	Fitzgerald SMCA	SMCA	244		Allows salmon, halibut, crab and wetfish*, shore	G1,2,4 Protects rock reefs and depleted nearshore	

California MLPA North Central Coast Regional Stakeholder Group  
Emerald Work Group Initial MPA Array, "Option B"  
October 17, 2007 (with revision to Farallon Islands on November 6, 2007)

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
					angling	species	
B	Pescadero SMR	SMR	217	Bean Hollow – Pescadero State Beach	No take	G1,2,3,4 Include diversity of shoreline habitats: wave-cut rock platforms, wash rocks, pocket beaches of mixed sand and gravel, fine sand beaches, rocky promontory, coves, seasonal river mouth, long beach, bull kelp, rocky intertidal. More complex and different wind and upwelling exposure compared to Año Nuevo.	
B	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  Adds SMR protection to the State Park Nature Preserve.
B	North Farallon SMR	SMR	250	Northern Farallons Southern boundary below rocks, northern	No Take	G1,2,3,4 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?

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
				boundary			Discussed whether this will affect wildlife viewing. Strong discussion on distances that affect flushing behavior for stellar sealion. Feeling is need to get clarification on this  Discussed year round NO-TRANSIT zone from southern boundary to 300 ft north of the northern rock
B	North Farallon SMCA	SMCA	251		RCA maintained  Allows salmon only	G1,2,4 Protect feeding grounds (forage), birds, and habitat, biodiversity,	The current squid regs. Do not allow use of lights, current regs have a seasonal no-transit area, RCA, current no disturbance regs for over-flights
B	Southeast Farallon SMR	SMR	252		No take	G1,2,3,4 Protection of haulout area	The lower limb of the island is a haulout area, SW side is an area where they normally rockfish,
B	Southeast Farallon SMCA	SMCA	253		Allows salmon only	G1,2,4 Protect feeding grounds (forage), birds, and habitat,	Habitat consists of shale and sand

\* "Wetfish" refers to sardines, mackerels, anchovy, and market squid.

## Consideration of Marine Bird and Mammal Protection

### **Initial MPA Array Name: Emerald Work Group Initial MPA Array, "Option B" (Array Option EB)**

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.

<b>Opt</b>	<b>Area to be Considered</b>	<b>General location/extent</b>	<b>Comments, Questions or Important Information</b>
B	Fish Rocks special closure	500 ft around rocks	No disturbance area off fish rocks to protect birds = around the offshore rock (500 ft) – problems are kayaker's go between rocks and mainland Year round no disturbance area 500 ft
B	Fitzgerald special closure	1000 ft northern portion along shore	No disturbance zone 1000 ft – all year

## Consideration of Existing State MPAs

### **Initial MPA Array Name: Emerald Work Group Initial MPA Array, "Option B" (Array Option EB)**

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	Left in for now	Not discussed	Not discussed
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	Left in for now	Not discussed.	Not discussed
Tomales Bay SMP	Replaced by South Tomales Bay SMR	Replaced by South Tomales bay SMR	Not discussed
Point Reyes SMCA	Replaced by Pt. Reyes MPA or possibly retain	Modified boundaries	
Estero de Limantour SMCA	Replaced by SMR	Replaced by SMR	Not discussed
Duxbury Reef SMCA	Left included for now	Not discussed	Not discussed
Sonoma Coast SMCA	Not discussed	Modified by Bodega MPAs	Not discussed
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.	