

California MLPA North Central Coast Regional Stakeholder Group
Turquoise 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

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

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 OPTION:

11 SMR 2 SMP 10 SMCA 23 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: Turquoise Work Group Initial MPA Array, "Option A" (Array Option TA)

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
A	Point Arena SMR	SMR	445	Offshore square centered on Point Arena lighthouse	No take	Goals: 1, 2, 3, 4, 6 Protects rocky and soft bottom habitat	13.6 square miles. Option A reduces impact to nearshore abalone and rockfish fishery. Leaves area close to Arena Cove in nearshore open.
A	Del Mar Landing	SMP	454	Keep existing MPA	Take of all living marine resources is prohibited except the recreational take of finfish by hook and line or spear.	.Goal 3	Maintain local recreational access
A	Black Point SMR	SMR	446	SMR centered around Black Point	No Take	Goals: 1-6	Splits the impact and opportunities between Richardson Ranch and Sea Ranch
A	Black Point SMCA	SMCA	447	SMCA centered offshore of Black Point	Only allows salmon and crab	Goals: 3 and 5	
A	Salt Point SMP	SMP	448	Extends along nearshore north of Salt Point	Recreational take only; no commercial take	Goal 3	Builds on existing park and access.
A	Gerstle Cove SMCA	SMCA	455	Keep existing MPA	Take of all living marine resources is prohibited except the commercial take	Goal 3	.

					of finfish and algae (except giant kelp and bull kelp).		
A	Russian River SMCA	SMCA	7	Russian River estuary and nearshore from Goat Rock to Pedoti. Does not include Gull Rock N: 38deg29' S: 38deg26'	Crab only allowed	Goal 2, 4 Protects estuary, steelhead, coastal chinook, birds, mammals, rockfish, abalone, kelp beds, etc. Salmonid resources impacted when balled up at mouth of estuary when closed. . Wildlife value of rocks.	Draft MPA is < SAT size guidelines at 8.4sqmi. Acknowledge issue w/ diagonal line Will need to discuss potential no-disturbance zone around colonies From Goat Rock to Pedoti is fairly limited access due to steepness of cliffs. Pedoti and Sunken Reef important for abs and recreational fishing. Abalone index site and #1 spot in Sonoma - want to avoid impacting that area. Impacts crab and salmon fishing if reserve extends offshore. Avoid area south of Goat Rock which is important access and red fishing for Bodega and Sonoma Co.
A	Bodega Head SMR	SMR	425	Salmon Creek to Bodega Head (38deg 21 to 38deg17)	No take	Goal 1, 2, 3, 4, 5, 6. Protects representative and unique marine life habitats. Protects rocky substrata habitat and associated	Note: Bill Bernard: Loss of abalone fishing site and access to 3 of 56 sites in study region. Consensus to design MPA at Bodega Head instead of Tomales

						<p>ecosystem, captures soft bottom habitat and associated species, enhances Bodega Bay Marine Laboratory Reserve by providing a more realistic study area, provides useful protection for sea birds and mammals, protects forage base and foraging area popular for local and visiting bird life.</p> <p>Will protect the natural diversity and function of marine ecosystem. Will help sustain and restore marine life populations.</p> <p>Allows for clear objectives, effective management, adequate enforcement, sound science.</p>	<p>Bluff. Note, if Bodega Head MPA complex goes away; consider complex at Tomales Point instead</p>
A	Bodega Head SMCA	SMCA	426	E 123deg3'	<p>Allows for the commercial and recreational take of salmon and Dungeness Crab (hook and line and trap only).</p>	<p>Goals 1, 2, 3, 4, 6 Protects offshore soft bottom habitat</p>	

A	Tomales Bay SMR	SMR	437	Existing Tomales SMP but elevated to SMR status	No Take.	Goals: 1,2,3,4,	Recommendation is to keep Tomales Bay existing MPA boundary and elevate to full reserve status. Recommendation that full reserve status will allow continuation and support of restoration efforts on going and planned for this region. .
A	Point Reyes Headland SMR	SMR	440	Square right around headland – 38thdeg to buoy, up to lower minute	No Take.	Goals 1-6 Protecting rockfish habitat, shallow rock and soft bottom, and significant bird and mammal colonies on the headland	Little commercial use inshore, avoids significant rec. fishing impacts on rocks west of headlands. Avoids significant impact to commercial crab and salmon in waters >20fathoms and avoids salmon trolling east-west tracks below headland. SMR will impact important traditional collection area for coast Miwok - small scale kelp, mussels, abalone, shells. Point Reyes Headland is one of 56 abalone sites, but no objection from the abalone rep.
A	Point Reyes Headland SMCA	SMCA	439	Area around headland offshore and Drakes Bay	Allows salmon, crab, halibut	Goals 1-6 Protects offshore rock and sand	Leaves Drakes Bay and offshore open to crab and salmon and halibut.

						habitats, rockfish, and retention area in Drakes Bay. Protects Chimney Rock area in SMCA.	
A	Drakes Estero SMR	SMR	4	General agreement on goal of SMR in Drakes Estero and Estero de Limantour area.	No take (except oyster farming until 2012)	Goals 1 and 4 Protects estuary, eelgrass, bird and mammal colonies.	Would need to recommend how to address existing commercial oyster leases. Acknowledge other jurisdictions (DFG, NPS, etc); perhaps phase in SMR status? Intent is to change to an SMR when the reservation lease expires in 2012.
A	Duxbury Reef SMCA	SMCA	444	SMCA from Bolinas Point to Miller Point	Dungeness crab, halibut and salmon (finfish by hook and line only)	Goal 1, 2, 4,6, The main goal is to provide protection to nearshore bird life and mammal haulouts that are found in the area, rocky habitat and network connectivity, and foraging prey spp. Although some rocky habitat, the associated ecosystem, and some intrinsic geomorphic relief is captured	It is noted that small boat access to the area south of the Duxbury reef is critical and involves safety issues due to the close proximity of safe harbor in San Francisco. This will somewhat impact recreational (and to lesser extent commercial) rockfish fishery. Consider no disturbance zone at Double Point.
A	Moss Beach SMR	SMR	411	North boundary of SMR at bunker at Devils Slide.	No-take	Goals 1-4 Protecting intertidal, shale reefs, rocky cobble, pinnacles,	Option A reduces area of SMR; northern boundary at bunker at Devils Slide. This

						seagrass, bull kelp and more.	reduces impact to squid, crab fishing north of Devils Slide. SMR still impacts recreational fishing and small boats coming from LindaMar at northern end and Pillar Point at southern end. Impacts to mussel collecting at Montara Point and Pillar Point. Shortening SMR (Option A) reduces benefits to bird colonies and forage area over Option B. Next closest squid fishing area is Martins Beach.
A	Moss Beach SMCA	SMCA	412	SMCA jogs inshore above Devils Slide to just south of Pt. San Pedro	Allow squid, salmon, crab, white seabass, halibut (hook and line for finfish only; no longline)	Goals 1-4 Protecting deep rock and deep sand and life stages that move offshore	Extends SMCA inshore above Devils Slide to just south of Point San Pedro and allows take of more spp than Option B. Loss of bird forage spp (squid) if squid allowed. Dogleg configuration may be more confusing than Option B. Need to consider potential no-disturbance zone and forage area for birds
A	Pescadero Estuary SMR	SMR	3	General agreement on SMR at Pescadero marsh and estuary only.	No take	Goal 1, 4, 6. Would protect estuary and link to Elkhorn Slough in network. Little impact to rec fishing if just inside estuary	. Group made conscious decision to leave Pescadero offshore open to fishing, despite presence of good rocky habitat; this will provide study opportunity and

						(rec use of sandy beach). Pescadero Marsh Preserve limits access but does not directly limit take of marine resources	focus protection on the Moss Beach area instead of Pescadero area.
A	Middle Farallon SMR	SMR	423	Approximately 1 square mile around island. The general boundaries would be the closest approximation of an area less than 15 fathoms	No take	Goals – 1,2,4,6 SMR protects birds and mammals from disturbance, protects shallow rock, rockfish and forage species nearshore, while limiting impacts to fishing.	
A	North Farallon SMR	SMR	424	Approximately 1 square mile around island. The general boundaries would be the closest approximation of an area less than 15 fathoms	No take	Goals – 1,2,4,6 SMR protects birds and mammals from disturbance, protects shallow rock, rockfish and forage species nearshore, while limiting impacts to fishing.	
A	SE Farallons SMCA	SMCA	450	Large area to southwest to allow salmon only	Allows salmon	Goals:1, 2, 3, 4, 6 Protects hard and soft bottom habitat	Keeps important salmon track open in waters deeper. The Southeast site was to create bioconnectivity to the benthic communities to the West of the SE Farallon and capture more high relief hard bottom and its associated

							ecosystem.
A	SE Farallons SMR	SMR	449	Irregular area around SE Farallon Is	No take	Goals 1, 2, 3, 4, 6. Protects birds and mammals, nearshore habitats	Currently waters <10fathoms around Farallons closed to fishing. Area extremely important to rockfish sport fishery (still large fish) and ecotourism (birds, whales, sharks, etc). Does not include deeper habitats and rocky areas important to rec. and comm. fishing (eg. Hearst Shoal, rocky areas between, south, and west of islands). Outside 30 fathoms are salmon tacks. Potential future abalone fishery in Farallons. Currently only 1 urchin fisherman left Avoids impacts to rockfishing at Hearst Shoal
A	East Farallons SMCA	SMCA	433	Large area to east to allow salmon only	Allows salmon and crab	Goals:1, 2, 3, 4, 6 Protects hard and soft bottom habitat	
A	Farallons Is SMCA	SMCA	457	Keep existing Farallons Is SMCA	Vessel Operation/ anchoring closure in a portion of the SMCA seasonally. No take of groundfish (as defined in DFG code) from 0-10 fathoms	Goals 1-6	

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 though 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 Arena		
A	Fish Rocks		
A	Gualala Point Island		
A	Green Cove and Tidepool	Located at Sea Ranch	
A	Salt Point		
A	Fort Ross		
A	Russian River Rocks, Arched Rock, Gull Rock		
A	Bodega Rock		
A	Bird Rock (Tomales)		Included in GNNMS Seabird Colony Protection Program
A	Hog Island		Included in GNNMS Seabird Colony Protection Program
A	Pt Reyes Headland		Included in GNNMS Seabird Colony Protection Program
A	Double Point and Point Resistance		Included in GNNMS Seabird Colony Protection Program
A	Bird Island (Rodeo Beach)		Included in GNNMS Seabird Colony Protection Program
A	Seal Rocks	Near San Francisco	Included in GNNMS Seabird Colony Protection Program
A	San Pedro cliffs and Devil's Slide		Included in GNNMS Seabird Colony Protection Program
A	Between Lobitos creek and Tunitas creek	Located in Central San Mateo County	Hundreds of pelagic cormorant and pigeon guillemot roosting areas in the steep cliffs there during late spring and summer months
A	North and South-East Farallones		

Consideration of Existing State MPAs

Initial MPA Array Name: Turquoise Work Group Initial MPA Array, "Option A" (Array Option TA)

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		Arena Rock included in concept and Manchester SB replaced.	Manchester State Beach
Del Mar Landing SMP	Included		
Salt Point SMCA		Currently not included in Black Salt SMR/SMCA; but talk w/ Parks	
Gerstle Cove SMCA	Included		
Fort Ross SMCA		Modified by Black Salt SMR/SMCA	
Tomales Bay SMP		Included, but changed to a SMR	
Point Reyes SMCA		Modified by Point Reyes concept.	
Estero de Limantour SMCA		Modified by Drakes Estero concept	
Duxbury Reef SMCA		Modified by Duxbury Reef SMR/SMCA	
Sonoma Coast SMCA			Not included

Bodega SMR		Included in Bodega Bay concept.	
Fitzgerald SMP		Modified by Moss Beach concept.	
Farallon Islands SMCA	Included		