

# Marine Life Protection Act Initiative



## Staff Methods for Evaluating Draft Marine Protected Area Proposals

Presentation to the  
California Fish and Game Commission and the MLPA Blue Ribbon Task Force  
February 13, 2008 • Pacifica, CA  
Mary Gleason, Principal Planner, MLPA Initiative



# Staff Role in Evaluations

- Compile guidance from Marine Life Protection Act (MLPA), master plan for marine protected areas (MPAs), task force, science team, and California Department of Fish and Game (DFG)
- Work with regional stakeholders to ensure submittals are acceptable and accurately reflect intent
- Provide science team with basic statistics of habitats captured, size of MPAs, and spacing between MPAs
- Generate maps and summary documents
- Conduct evaluation of components not addressed in master plan science guidelines (e.g., MLPA Goal 3 and fishery impacts)
- Coordinate quality control reviews



# Evaluation/Summary Documents

<b>Document</b>	<b>Source</b>
Proposal Descriptions (“templates”)	Staff/RSG
Habitat Calculations	Staff
Staff Summaries	Staff
Area Histograms	Staff
Maps and Proposed Regulations	Staff/RSG
Goal 3 Analysis	Staff
Feasibility Analysis	DFG
Abalone Analysis	DFG
Commercial/ Recreational Analysis (Ecotrust)	DFG
Goals 1 & 4 Analysis (Habitat Representation)	SAT
Goals 2 & 6 Analysis (Size and Spacing)	SAT
Birds and Mammals Analysis	SAT



# Evaluation/Summary Documents

<b>Document</b>	<b>Source</b>
Proposal Descriptions (“templates”)	Staff/RSG
Habitat Calculations	Staff
Staff Summaries	Staff
Area Histograms	Staff
Maps and Proposed Regulations	Staff/RSG
Goal 3 Analysis	Staff
Feasibility Analysis	DFG
Abalone Analysis	DFG
Commercial/ Recreational Analysis (Ecotrust)	DFG
Goals 1 & 4 Analysis (Habitat Representation)	SAT
Goals 2 & 6 Analysis (Size and Spacing)	SAT
Birds and Mammals Analysis	SAT



# Proposal Descriptions

- Capture basic information for draft proposals:
  - Proponents and rationale for proposal
  - Proposed disposition of existing MPAs (retain, modify, eliminate)
- For each proposed MPA:
  - MPA name
  - MPA boundaries
  - Allowed/disallowed uses
  - SAT level of protection (assigned by SAT)
  - Regional goals and objectives MPA contributes toward
  - MPA-specific objectives



# Habitat Calculations

## Amount of habitat captured within each MPA

California Marine Life Protection Act Initiative  
 Habitat Calculations for Draft Proposal 2 (JD), December 12 version  
*Revised December 21, 2007*

	How Measured	Pt Arena SMR	Pt Arena SMCA	Saunders Reef Inshore SMCA
<b>GIS Identification Number</b>		JD1	JD2	JD3
<b>MPA Classification</b>		SMR	SMCA	SMCA
<b>SAT Level of Protection</b>		10	6	2
<b>SAT Evaluation Subregion</b>		North	North	North
<b>SAT Cluster ID</b>		JD_C1	JD_C1	JD_C2
<b>Area</b>	Area (mi <sup>2</sup> )	5.23	7.60	4.21
<b>Alongshore Span</b>	Linear (mi)	3.4	3.4	3.7
<b>ESI Shoreline Length</b>	Linear (mi)	2.12	0.00	5.72
<b>Minimum Depth</b>	Feet	0	153	0
<b>Maximum Depth</b>	Feet	175	324	130
<b>Sandy or gravel Beaches</b>	Linear (mi)	0.05	0.00	0.54
<b>Rocky intertidal and cliff</b>	Linear (mi)	2.07	0.00	5.19
<b>Coastal marsh</b>	Linear (mi)	0.00	0.00	0.00
<b>Tidal flats</b>	Linear (mi)	0.00	0.00	0.00
<b>Surfgrass</b>	Linear (mi)	0.00	0.00	0.00
<b>Eelgrass</b>	Area (mi <sup>2</sup> )	0.00	0.00	0.00
<b>Estuary</b>	Area (mi <sup>2</sup> )	0.00	0.00	0.00
<b>soft 0 - 30m</b>	Area (mi <sup>2</sup> )	0.03	0.00	0.03

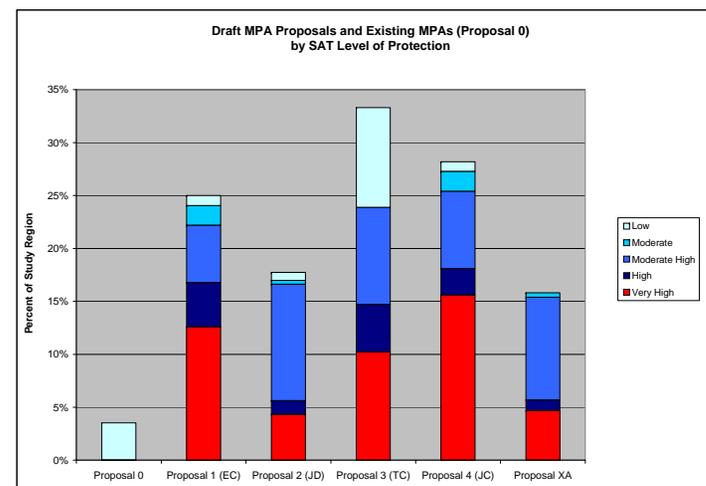
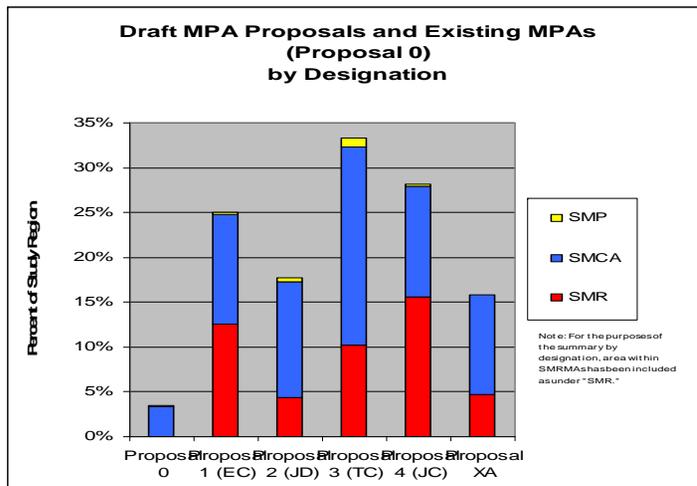


# Staff Summaries/Area Histograms

## Basic summary statistics

### Individual MPAs in Draft Proposal 3 (TC) (12/12/07 version)

MPA Name	Size (mi <sup>2</sup> )	Along-shore span (mi) <sup>A</sup>	Depth range (ft)
Point Arena SMR	4.67	3.4	0-180
Point Arena SMCA	7.65	3.4	153-324
Saunder's Reef inshore SMCA	5.50	3.9	0-165
Saunder's Reef offshore SMCA	7.78	3.9	143-278
Del Mar Landing SMP	0.09	0.3	0-55
Black Point SMR	11.88	6.5	0-240





# Maps and Proposed Regulations

## Comparison across draft MPA proposals

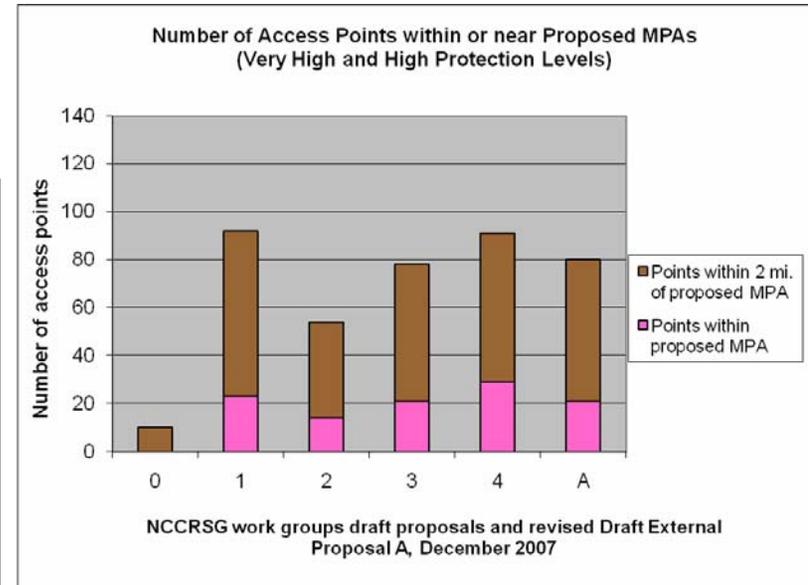
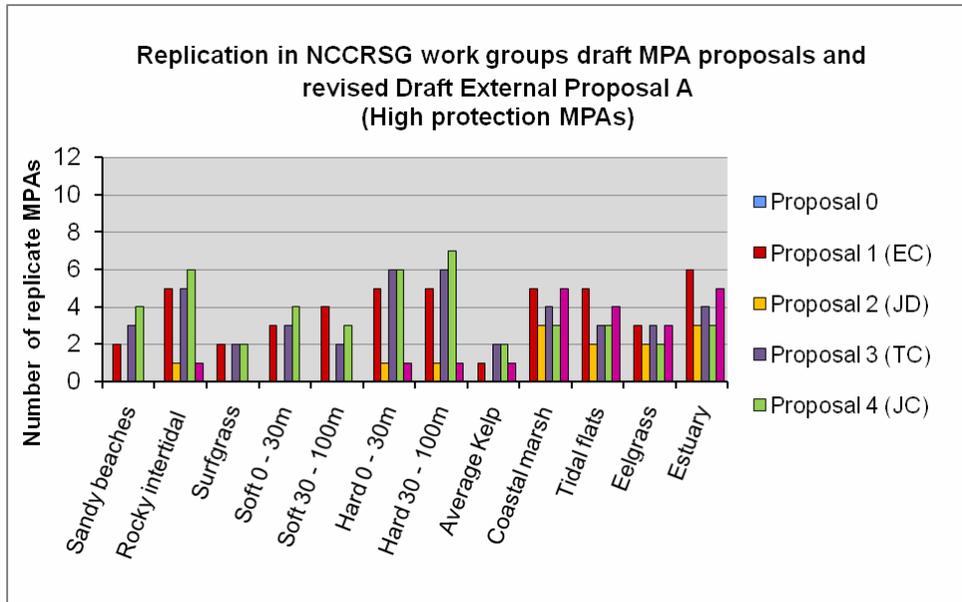


Point San Pedro to Pigeon Point (Subregion 5)	Draft Proposal 3 (TC) (12/12/07 version)		Draft Proposal 4 (JC) (12/12/07 version)		Draft External Proposal A (01/02/08 version)	
	MPA Name (Level of Protection)	Proposed Regulations	MPA Name (Level of Protection)	Proposed Regulations	MPA Name (Level of Protection)	Proposed Regulations
	Moss Beach State Marine Reserve ( <i>Very high</i> )	No take	Fitzgerald- Devil's Slide State Marine Reserve ( <i>Very high</i> )	No take	Fitzgerald State Marine Reserve ( <i>Very high</i> )	No take
Moss Beach State Marine Conservation Area	Salmon trolling, crab, and squid, commercial and recreational	Fitzgerald- Devils Slide State Marine Conservation Area	Salmon trolling, crab, coastal pelagics, and squid (commercial & recreational)	Fitzgerald State Marine Conservation Area	Salmon trolling, anchovy, sardine, herring, dungeness crab (All applies)	



# Goal 3 Analysis

Recreational, educational, and study opportunities





# Summary

- Staff analyses and summaries present basic information and statistics
- Provide basis for other evaluations
- Goal 3 analysis addresses MLPA goal not evaluated by SAT