

California Department of Fish and Game
Executive Summary- Feasibility Analysis
NCCRSB Meeting November 28, 2007
(Revised November 27, 2007)

A feasibility evaluation was completed by the Department of Fish and Game for the North Central Coast Regional Stakeholder Group (NCCRSB). The feasibility evaluation provides detailed feedback on how effectively the suite of internal initial MPA arrays and external proposals received meet Department feasibility criteria. The feasibility criteria used for this evaluation were outlined in the document titled, "*Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative*" (CDFG Memo; June 11, 2007), which was presented to the NCCRSB at its July 2007 meeting. The criteria will be used by the Department to make recommendations to the California Fish and Game Commission with respect to MPA proposals. The Department did not expect the initial MPA arrays to fully meet the feasibility guidelines due to their preliminary nature. However, the evaluation provided for this iteration will serve to focus the NCCRSB on the elements that need refinement in order to meet the Department's feasibility guidelines. Following these guidelines will facilitate the creation of MPA proposals that will be easy for the public to understand and are readily enforced.

Frequently noted design elements that decrease MPA feasibility:

- Boundaries that are not at whole minute lines of latitude/ longitude or at easily recognizable landmarks (such as points, headlands and buoys);
- Boundaries that are not orientated in a due north/south, east/west direction;
- Boundaries that are based on distance offshore or depth contours;
- Shoreline boundaries that are not specifically defined;
- Doughnut designs (which occurs when MPAs surround one another);
- "Special Closures" that are not clearly defined or specifically identify the species to be protected and reason for protection; and
- "Floating corners" in offshore waters that are not at readily determined lines of latitude/ longitude, which are difficult to enforce and understand.

Other elements that were largely overlooked in the initial arrays, but should be included in subsequent iterations include:

- Simple and clearly stated regulations
- Clearly stated goals and objectives

Table 1. Summary of the initial feasibility analysis for the NCCSR draft MPA arrays.

Array Name	Total # of MPAs	Goals Defined (%)	Objectives Defined (%)	Accessibility (%)	Simple & Clear Regulations (%)	Meets Boundary Guidelines (%)	Meets Multiple Zoning Guidelines (i.e. doughnut designs) (%)
Turquoise A	23	100	0	96	57	17	74
Turquoise B	22	100	0	95	41	18	68
Emerald A	26	88	0	96	69	12	77
Emerald B	31	87	0	97	55	10	65
Jade A	24	100	0	96	54	8	71
Jade B	17	100	0	100	59	18	88
External A	16	0	0	100	56	6	75
External B	15	100	100	100	100	40	73
External C	19	79	0	100	58	21	100
External D	20	95	95	100	70	0	55
Totals	213	87	16	98	61	14	74

California Department of Fish and Game
North Central Coast Study Region
Feasibility Evaluation- Emerald "A" and "B"
November 16, 2007

Proposal Name: Emerald "A"

Overall feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document¹. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours or distance offshore and "floating corners" in offshore waters that are not at readily determined lines of latitude/ longitude. Throughout this initial array, goals were stated for each MPA but specific objectives were not included. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. Special Closures were included in the array, but clear boundary descriptions and regulations were not consistently included. Please refer to the CDFG memo on Special Closures for further guidance².

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. Finally, the use of Special Closures should be carefully considered with clearly stated objectives that include the specific species to be protected, the closed season, and rationale for the closure (such as annual vs seasonal). If readily determined lines of latitude/ longitude or easily recognizable landmarks are not used as boundaries for Special Closures then a distance offshore must be of sufficient size to be clearly understood.

MPA Name: Pt. Arena/ Arena Rock SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Doughnut design with Point Arena/ Arena Rock SMR surrounded on three sides by Point Arena/ Arena Rock

¹CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

²California Department of Fish and Game. Memo: Special Closures as they apply to the Marine Life Protection Act (MLPA). November 1, 2007.

SMCA. Eastern (offshore) boundary is a diagonal line. Southern boundary needs clarification. This boundary should be at either a readily determined line of latitude or at an easily recognizable landmark. Eastern (shoreline) boundary is not defined. Western boundary does not use a readily determined line of longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Adjacent to the Point Arena Light House and near Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Point Arena abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Pt. Arena/ Arena Rock SMCA

Boundaries:

- **Meets feasibility criteria:** Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Doughnut design with Point Arena/ Arena Rock SMR surrounded on three sides by Point Arena/ Arena Rock SMCA. Northern boundary not well defined. The mouth of Alder Creek can change depending on the sandbar and is not easily recognizable from offshore waters. Southern boundary needs clarification. This boundary should be at either a readily determined line of latitude or at an easily recognizable landmark. Eastern (shoreline) boundary not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Offshore of the Point Arena Light House and adjacent to Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined

lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Del Mar Landing SMP

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries do not follow a north/south east/west orientation, are irregularly shaped, and are not at easily recognizable landmarks or at readily determined lines of latitude and longitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessed.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: The goals and objectives of the MPA were not stated.

Other: Part of the Salt Point abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Black Point to Salt Point SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark.

- **Does not meet feasibility criteria:** Southern boundary is not at an easily recognizable landmark or at a readily determined line of latitude. Eastern boundary is not defined. Western boundary is a diagonal line.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Southern portion adjacent to Salt point State park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable

landmarks are not available. Objectives for the MPA should be included.

MPA Name: Black Point to Salt Point SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark. Western boundary is defined by state waters.
- **Does not meet feasibility criteria:** Southern boundary is not at an easily recognizable landmark or at a readily determined line of latitude. Eastern boundary is a diagonal line.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Offshore of Salt point State park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Salt Point SMP

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Northern boundary is not at an easily recognizable landmark or at a readily determined line of latitude. Southern boundary not at an easily recognizable landmark or at a readily determined line of latitude. Eastern boundary is a not defined. Western boundary is a diagonal line.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Salt Point State Park and covers Gerstle Cove Area of Special Biological Significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A small boat ramp at Gerstle Cove is located within this MPA. Most of the Salt Point abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be

placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Fort Ross SMCA

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries defined by irregular lines using points of longitude and latitude as well as depth contours.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce the regulation.

Accessibility: Access in these very nearshore waters by boat may be difficult but may be accessed via land.

Special Management Areas Adjacent: Located adjacent to Fort Ross State Park.

Goals and Objectives: The goals and objectives of the MPA were not stated.

Other: A small private boat launch at Ocean Cove store and campground is located within this MPA. This MPA is located within the Fort Ross abalone index site.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Russian River SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries should be at easily recognizable landmarks (not at "just south of Arched Rock").

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Russian River SMR and Russian River Estuary SMR should be combined for simplicity.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be

placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Russian River Estuary SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries need to be defined more clearly.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Russian River SMR and Russian River Estuary SMR should be combined for simplicity.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Boundaries should be straight N/ S E/ W lines. Southern boundary does not follow an east/ west orientation. Western boundary is an irregular line. Eastern boundary need to be defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Numerous boat launches in Bodega Bay, just outside southern boundary.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab, Bodega Marine Life Refuge area of special biological significance (ASBS), and Sonoma coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not

included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Southern boundary does not follow an east/ west orientation. Eastern boundary is an irregular line.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Offshore of the Bodega Marine Lab, Bodega Marine Life Refuge area of special biological significance (ASBS), and Sonoma coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Estero de Americano SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary meets feasibility guidelines.
- **Does not meet feasibility criteria:** Eastern extent of the MPA should be defined using readily determined lines of longitude or easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific

objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Estero de San Antonio SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary meets feasibility guidelines.
- **Does not meet feasibility criteria:** Eastern extent of the MPA should be defined using readily determined lines of longitude or easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Tom's Point SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Northern boundary not at an easily recognizable landmark or at a readily determined line of longitude. Southern boundary is an irregular line. Offshore corners should be at readily determined lines of latitude and longitude. If an MPA of this size is desired in this area, it should extend across the Bay. The small unprotected area decreases public understanding of the area.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. However, designation should be changed to SMCA or SMRMA if aquaculture is leased in the area.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State

Park and the Point Reyes National Seashore. This MPA is located within the Gulf of the Farallons National Marine Sanctuary and within the Golden Gate National Recreation Area.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Designation needs to be changed to SMRMA due to oyster culture and waterfowl hunting.

MPA Name: Tomales Bay South SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundary not at easily recognizable landmark.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. However, designation should be changed to SMCA or SMRMA if aquaculture is leased in the area.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. This MPA is located within the Gulf of the Farallons National Marine Sanctuary and the Golden Gate National Recreation Area.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not

included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Designation needs to be changed to SMRMA due to oyster culture and waterfowl hunting.

MPA Name: Point Reyes- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Point Reyes Headlands Area SMR

Boundaries:

- **Meets feasibility criteria:** Northern, southern and western boundaries are at readily determined lines of latitude/ longitude.
- **Does not meet feasibility criteria:** Eastern boundary is a diagonal line. Shoreline boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Point Reyes Headlands Area SMCA

Boundaries:

- **Meets feasibility criteria:** Western portion of the northern boundary is at a readily determined line of latitude. Southern boundary defined by state waters.
- **Does not meet feasibility criteria:** Central portion of the northern boundary is a diagonal line. Western portion of the northern boundary is not defined. Eastern boundary is a diagonal line.

Simplicity of Regulations: Allowed/ disallowed uses need further clarification and commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Drakes - Limantour Estero SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Shoreline boundary not defined.

Simplicity of Regulations: Should change the name to SMCA or SMRMA in the proposal due to oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included. Designation needs to be changed to SMRMA or SMCA due to oyster culture.

MPA Name: Duxbury Reef SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries appear to use easily recognizable landmarks.
- **Does not meet feasibility criteria:** Offshore boundary is defined by distance offshore.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce the regulation.
Accessibility: These nearshore waters are largely only accessible by land.
Special Management Areas Adjacent: Within Double Point area of special biological significance (ASBS) and Duxbury Reef Extension ASBS.
Goals and Objectives: The goals and objectives of the MPA were not stated.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be included.

MPA Name: Bolinas Lagoon SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to be readily understood.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Golden Gate National Recreational Area.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A private boat ramp at Bolinas Rod and Boat Club is located within this MPA.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Fitzgerald SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Eastern boundary is not defined. Western boundary is not at a readily determined line of longitude. Southern boundary should be clarified.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Fitzgerald- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Fitzgerald SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Western boundary is defined by state waters.

- **Does not meet feasibility criteria:** Eastern boundary is not at a readily determined line of longitude. Southern boundary should be clarified.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Located offshore of the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Pescadero Marsh SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to be readily understood.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located near Pescadero State Beach and within the Pescadero Marsh Natural Preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: SE Farallon- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a

distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRS July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Farallon South SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to use readily determined lines of latitude/ longitude and state waters.
- **Does not meet feasibility criteria:** These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: North Farallon SMR

Boundaries:

- **Meets feasibility criteria:** Northern, eastern and western boundaries are at readily determined lines of latitude/ longitude.
- **Does not meet feasibility criteria:** Southern boundary is not at a readily determined line of latitude. These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be

placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Farallon SMCA

Boundaries:

- **Meets feasibility criteria:** Northern, southern and western boundaries are defined by state waters, with the exception of a doughnut design around Fanny Shoal.
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Northern portion of the eastern boundary is a diagonal line. These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Regulations are confusing which reduces public understanding and enforceability.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

Proposal Name: Emerald "B"

Overall feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document³. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours or distance offshore; areas with multiple designations over a small area and "floating corners" in offshore waters that are not at readily determined lines of latitude/ longitude. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. Throughout this initial array, goals were stated for each MPA but specific objectives were not included. Special Closures were included in the array, but clear boundary descriptions and regulations were not consistently included. Please refer to the CDFG memo on Special Closures for further guidance⁴.

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. The use of a SMCA to allow shore angling creates a doughnut design where a SMR lies between two extractive SMCAs. It is suggested that a single SMCA which allows shore angling only be used instead. Finally, the use of special closures should be carefully considered with clearly stated objectives that include the specific species to be protected, the closed season, and rationale for the closure (such as annual vs seasonal). If readily determined lines of latitude/ longitude or easily recognizable landmarks are not used as boundaries for Special Closures then a distance offshore must be of sufficient size to be clearly understood.

MPA Name: Pt. Arena/ Arena Rock Inshore SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary appears to use a readily determined line of latitude.
- **Does not meet feasibility criteria:** A doughnut design is created with

³ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

⁴California Department of Fish and Game. Memo: Special Closures as they apply to the Marine Life Protection Act (MLPA). November 1, 2007.

Point Arena/ Arena Rock Inshore SMCA surrounded on three sides by Point Arena/ Arena Rock Offshore SMCA. The existing design creates confusing regulation boundaries. Southern boundary needs clarification. This boundary should be at either a readily determined line of latitude or at an easily recognizable landmark. Eastern (offshore) boundary is a diagonal line. Eastern (shoreline) boundary is not defined. Western boundary doesn't use a readily determined line of longitude.

Simplicity of Regulations: "Shore based fishing" should be better defined. The doughnut design with the Point Arena/ Arena Rock Offshore SMCA creates abrupt regulation changes with confusing regulatory boundaries.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Adjacent to the Point Arena Light House and Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Point Arena abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Pt. Arena/ Arena Rock Offshore SMCA

Boundaries:

- **Meets feasibility criteria:** Western boundary defined by state waters.
- **Does not meet feasibility criteria:** A doughnut design is created with Point Arena/ Arena Rock Inshore SMCA surrounded on three sides by Point Arena/ Arena Rock Offshore SMCA. The existing design creates confusing regulation boundaries. Northern boundary not well defined and not at a readily determined line of latitude. The mouth of Alder Creek can change depending on the sandbar and is not easily recognizable from offshore waters. Southern boundary needs clarification. This boundary should be at either a readily determined line of latitude or at an easily recognizable landmark. Eastern (shoreline) boundary not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated. The doughnut design with the Point Arena/ Arena Rock Inshore SMCA creates abrupt regulation changes with confusing regulatory boundaries.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Offshore of the Point Arena Light House and adjacent to Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Saunders Reef to Fish rocks SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Northern and western boundaries aren't at readily determined lines of latitude. Doughnut design with Saunders Reef to Fish Rocks SMR inside of Saunders Reef to Fish Rocks SMCA. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Anchor Bay campground private boat launch south of this MPA.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Saunders Reef to Fish rocks SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary at an easily recognizable landmark. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern boundary not at a readily determined line of latitude. Doughnut design with Saunders Reef to Fish Rocks SMR inside of Saunders Reef to Fish Rocks SMCA. Eastern

(shoreline) boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are unclear and commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Fish Rocks- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Del Mar Landing SMP

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries do not follow a north/south east/west orientation, are irregularly shaped and are not at easily recognizable landmarks or at readily determined lines of latitude and longitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessed.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: The goals and objectives of the MPA were not stated.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Stewarts Point SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary defined by an easily recognizable landmark.
- **Does not meet feasibility criteria:** Northern boundary not defined by an easily recognizable landmark. Western boundary is defined by distance offshore.

Simplicity of Regulations: Allowed uses need to be clarified. "Shore fishing" needs to be defined. Shore based fishing and abalone out to 100 yards may create confusion with the public and reduce enforceability of the area. Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by land.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: This SMCA 'sandwiches' the Black Point to Salt Point SMR between two SMCAs that allow different extractive activities. Multiple designations in a small area are difficult to enforce and create confusion among user groups. Boundaries using a distance offshore are additionally difficult to comprehend and enforce. A single State Marine Conservation Area designation should be used with a specific regulation allowing shore-based hook and line fishing.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Multiple designations over a small area should be avoided. Boundaries should not be defined using distance offshore. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included. A single State Marine Conservation Area designation should be used

with a specific regulation allowing shore-based hook and line fishing.

MPA Name: Black Point to Salt Point SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary defined by an easily recognizable landmark.
- **Does not meet feasibility criteria:** Northern boundary not defined by an easily recognizable landmark. Eastern boundary is defined by distance offshore. Western boundary is a diagonal line.

Simplicity of Regulations: Shore based fishing and abalone in nearshore waters may create confusion with the public and reduce enforceability of the area.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: The Stewarts Point SMCA and Black Point to Salt Point SMCA 'sandwiches' this SMR between two SMCAs that allow different extractive activities. Multiple designations in a small area are difficult to enforce and create confusion among user groups. Boundaries using a distance offshore are additionally difficult to enforce. A single State Marine Conservation Area designation should be used with a specific regulation allowing shore-based hook and line fishing.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using distance offshore. Multiple designations over a small area should be avoided. Objectives for the MPA should be included. A single State Marine Conservation Area designation should be used with a specific regulation allowing shore-based hook and line fishing.

MPA Name: Black Point to Salt Point SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary defined by an easily recognizable landmark. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern boundary not defined by an easily recognizable landmark or a readily determined line of latitude. Eastern boundary is a diagonal line.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Rocky Point to Salt Point SMP

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Southern and western boundaries not at readily determined lines of latitude/ longitude. Eastern boundary is not defined. Western boundary is a diagonal line.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Salt Point State Park and Gerstle Cove area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Salt Point abalone index site is located within this MPA. A small boat ramp at Gerstle Cove is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Fort Ross SMCA

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries defined by irregular lines using points of longitude and latitude as well as depth contours.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce the regulation. The incidental take of marine worms while collecting mussels is difficult to enforce. It is unclear if commercial take is allowed only for the excepted species listed or all species except kelp.

Accessibility: Access in these very nearshore waters by boat may be difficult but may be accessed via land. A small boat launch is just outside the southern border.

Special Management Areas Adjacent: Located adjacent to Fort Ross State Park.

Goals and Objectives: The goals and objectives of the MPA were not stated.

Other: Fort Ross abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. The regulations should be simplified and clearly defined. Goals and objectives for the MPA should be included.

MPA Name: Russian River Estuary SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries need to be clarified using easily recognizable landmarks or readily determined lines of latitude/ longitude. The shoreline boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude.

- **Does not meet feasibility criteria:** Boundaries should be straight N/ S and E/ W lines. Southern boundary does not follow an east west orientation. Western boundary is an irregular line. Eastern boundary need to be defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Numerous boat launches in Bodega Bay, just outside southern boundary.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab, Bodega Marine Life Refuge area of special biological significance (ASBS), and Sonoma coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude. Western boundary defined by state waters.

- **Does not meet feasibility criteria:** Southern boundary does not follow an east west orientation. Eastern boundary is an irregular line.

Simplicity of Regulations: Allowed/ disallowed need to be clarified and commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Offshore of the Bodega Marine Lab, Bodega Marine Life Refuge area of special biological significance (ASBS), and Sonoma coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Estero de Americano SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary meets feasibility guidelines.
- **Does not meet feasibility criteria:** Eastern extent of the MPA should be defined using readily determined lines of longitude or easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Estero De San Antonio SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary meets feasibility guidelines.
- **Does not meet feasibility criteria:** Eastern extent of the MPA should be defined using readily determined lines of longitude or easily recognizable landmarks. The shoreline boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Tom's Point SMCA

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Northern boundary not at an easily recognizable landmark or at a readily determined line of longitude. Southern boundary is an irregular line. Offshore corners should be at readily determined lines of latitude and longitude. If an MPA of this size is desired in this area, it should extend across the Bay and use due east and west lines of latitude. The small unprotected area decreases public understanding of where extractive activities may occur.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated as does the allowance of gear type.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. This MPA is located within the Gulf of the Farallons National Marine Sanctuary and the Golden Gate National Recreational Area.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included. Designation needs to be changed to SMRMA due to oyster culture and waterfowl hunting.

MPA Name: Tomales Bay South SMR

Boundaries:

- **Meets feasibility criteria:** Boundary at easily recognizable landmark.
- **Does not meet feasibility criteria:** Northwestern boundary not at an

easily recognizable landmark or at a readily determined line of latitude/
longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. This MPA is located within the Gulf of the Farallons National Marine Sanctuary and the Golden Gate National Recreational Area.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission

Lease and Commission Permit to occur.

The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Designation needs to be changed to SMRMA due to oyster culture and waterfowl hunting.

MPA Name: Existing Pt. Reyes SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern and western boundaries appear to use easily recognizable landmarks. Northern (shoreline) boundary is defined by high tide line.
- **Does not meet feasibility criteria:** Southern boundary is defined by distance offshore. This MPA creates a doughnut design with the Pt. Reyes Headlands SMR.

Simplicity of Regulations: the regulations are not clearly understood except that the commercial take of halibut is allowed.

Accessibility: Access may be difficult in many areas.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Multiple designations in a small area are difficult to enforce and create confusion among user groups. Boundaries using a distance offshore are additionally difficult to enforce. A single State Marine Conservation Area designation should be used with a specific regulation allowing the commercial take of halibut.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using distance offshore. Multiple designations over a small area should be avoided. Objectives for the MPA should be included.

MPA Name: Point Reyes Headlands Area SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary defined by easily recognizable landmarks.
- **Does not meet feasibility criteria:** Eastern, western and southern boundaries are defined by distance offshore. This SMR creates a doughnut design with the Existing Pt. Reyes SMCA.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Multiple designations in a small area are difficult to enforce and create confusion among user groups. Boundaries using a distance offshore are

additionally difficult to enforce. A single State Marine Conservation Area designation should be used with a specific regulation allowing shore-based hook and line fishing.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using distance offshore. Multiple designations over a small area should be avoided. Objectives for the MPA should be included.

MPA Name: Point Reyes Headlands Area SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude. Southern boundary defined by state waters. Eastern and western boundaries are at readily determined lines of latitude/ longitude.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Drakes - Limantour Estero SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary at easily recognizable landmark.
- **Does not meet feasibility criteria:** Shoreline boundary not defined.

Simplicity of Regulations: Should change the name to SMCA or SMRMA in the proposal due to allowance of existing oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included. Designation needs to be changed to SMRMA or SMCA due to existing oyster culture.

MPA Name: Duxbury Reef SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries appear to use easily recognizable landmarks.
- **Does not meet feasibility criteria:** Offshore boundary is defined by distance offshore.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce the regulation. It is unclear if commercial take is allowed only for the excepted species listed or all species except kelp.

Accessibility: These nearshore waters are largely only accessible by land.

Special Management Areas Adjacent: Within Double Point area of special biological significance (ASBS) and Duxbury Reef Extension ASBS.

Goals and Objectives: The goals and objectives of the MPA were not stated.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined by distance offshore. Objectives for the MPA should be included.

MPA Name: Bolinas Lagoon SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to be readily

understood.

- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Within the Golden Gate National Recreational Area.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Fitzgerald SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries appear to use easily recognizable landmarks. Western and northern boundaries are at readily determined lines of longitude/latitude.

- **Does not meet feasibility criteria:** Western boundary not at an easily determined line of longitude and the northwest corner is not clearly defined. Doughnut design with Fitzgerald SMR inside of Fitzgerald SMCA.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Fitzgerald- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSR July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Fitzgerald SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude. Southern boundary appears to use an easily recognizable landmark.
- **Does not meet feasibility criteria:** Doughnut design with Fitzgerald SMR inside of Fitzgerald SMCA. Eastern (shoreline) boundary is not defined. Boundaries for the Special Closure need to be defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. However, shore angling needs to be defined.

Accessibility: Accessible.

Special Management Areas Adjacent: Located offshore of the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included. Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Pescadero SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary defined by state waters. Southern boundary is at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Northern boundary is a diagonal line. Eastern boundary not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. However, shore angling needs to be defined.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Pescadero State Beach, Pebble Beach (San Mateo County beach) and Bean Hollow State Beach

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Pescadero Marsh SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to be readily understood.
- **Does not meet feasibility criteria:** Shoreline boundary is not defined

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located near Pescadero State Beach and within the Pescadero Marsh Natural Preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Shoreline boundary should be clearly defined. Objectives for the MPA should be included.

MPA Name: North Farallon SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary defined by state waters. Eastern and southern boundaries are at easily determined lines of longitude/latitude.
- **Does not meet feasibility criteria:** Western boundary not at an easily determined line of longitude. These boundaries create "floating corners". These corners should be located at readily determined lines of latitude

and longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: North Farallon SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and eastern boundaries are at easily determined lines of longitude/latitude.
- **Does not meet feasibility criteria:** Southern and western boundaries not at easily determined lines of longitude/latitude. These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Southeast Farallon SMR

Boundaries:

- **Meets feasibility criteria:** Northern, western and eastern boundaries are at easily determined lines of longitude/latitude.

- **Does not meet feasibility criteria:** Southern boundary not at an easily determined line of latitude. These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Southeast Farallon SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and western boundaries are at easily determined lines of longitude/latitude. Southwestern boundary is at state waters.

- **Does not meet feasibility criteria:** These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

California Department of Fish and Game
North Central Coast Study Region
Feasibility Evaluation- Jade "A" and "B"
November 16, 2007

Proposal Name: Jade "A"

Overall feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document¹. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours or distance offshore and "floating corners" in offshore waters that are not at readily determined lines of latitude/ longitude. Throughout this initial array, goals were stated for each MPA but no objectives were included. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. Many Special Closures were also included, but boundaries and regulations were not consistently included. Please refer to the CDFG memo on Special Closures for further guidance².

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. Finally, the use of Special Closures should be carefully considered with clearly stated objectives that include the specific species to be protected, the closed season, and rationale for the closure (such as annual vs seasonal). If readily determined lines of latitude/ longitude or easily recognizable landmarks are not used as boundaries for Special Closures then a distance offshore must be of sufficient size to be clearly understood.

MPA Name: Point Arena SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary at a readily determined line of longitude. Eastern offshore boundary appears to be at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Northern and southern boundaries

¹ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

²California Department of Fish and Game. Memo: Special Closures as they apply to the Marine Life Protection Act (MLPA). November 1, 2007.

are not at whole minute lines of latitude or at easily recognizable landmarks. Eastern (shoreline) boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Adjacent to the Point Arena Light House and near Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Point Arena abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Point Arena SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern boundary at a readily determined line of longitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern and southern boundaries are not at whole minute lines of latitude or at easily recognizable landmarks.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Near to the Point Arena Light House and Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Saunders Reef Inshore SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at

readily determined lines of latitude.

- **Does not meet feasibility criteria:** Eastern boundary is not defined. Western boundary is a diagonal line. The northern boundary needs to be more specific (e.g. the northern point of Schooner Gulch).

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible from shore and various boat ramps.

Special Management Areas Adjacent: The kelp beds at Saunders Reef are an area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Saunders Reef Offshore SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at readily determined lines of latitude. Western boundary is defined by state waters.

- **Does not meet feasibility criteria:** Eastern boundary is a diagonal line. The northern boundary needs to be more specific (e.g. the northern point of Schooner Gulch).

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: The kelp beds at Saunders Reef are an area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Del Mar SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries do not follow a north/south east/west orientation, are irregularly shaped and are not at easily recognizable landmarks or at readily determined lines of latitude and longitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessed.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Sonoma Coast SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Western boundary is defined by state waters.
- **Does not meet feasibility criteria:** Eastern boundary is not defined. Salt Point SMP and Sonoma Coast SMR have overlapping boundaries. The southern boundary at stump beach needs further clarification (i.e. the north end of Stump Beach).

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Salt Point State Park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: The southern boundary enters the northern boundary of Salt Point abalone index site.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined

lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Salt Point SMP

Boundaries:

- **Meets feasibility criteria:** Southern boundary appears to use an easily recognizable landmark.
- **Does not meet feasibility criteria:** Doughnut design with Gerstle Cove SMP inside of Salt Point SMP. Northern and Western boundaries are not at easily recognizable landmarks or at readily determined lines of latitude/ longitude.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce the regulation.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Salt Point State Park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Salt Point abalone index site is located within this MPA. A small boat ramp at Gerstle Cove is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Gerstle Cove SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to use easily recognizable landmarks.
- **Does not meet feasibility criteria:** Doughnut design with Gerstle Cove SMP inside of Salt Point SMP.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Salt Point State Park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Salt Point abalone index site is located within this MPA. A small boat ramp at Gerstle Cove is located within this MPA.

Recommendations to help meet feasibility guidelines: Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Russian River SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Southern and western boundaries are not at readily determined lines of latitude/ longitude. Eastern (shoreline) boundary is not defined. Eastern (estuarine) boundary needs to be defined by a readily determined line of longitude or by an easily recognizable landmark.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary at a readily determined line of longitude. Southern boundary is at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Northern and eastern boundaries need to be at readily determined lines of latitude/longitude or at easily recognizable landmarks. Eastern (shoreline) boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Numerous boat launches in Bodega Bay, just outside southeastern boundary.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab and Sonoma Coast State Beach. This MPA includes the Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific

objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary is at a readily determined line of latitude. Eastern boundary is at a readily determined line of longitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern boundary needs to be at a readily determined line of latitude or at an easily recognizable landmark.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Near the Bodega Marine Lab.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Tomales Bay SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary appears to be at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Eastern boundary does not appear to be at an easily recognizable landmark.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. This MPA located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Areas where hunting occurs should be designated as SMRMAs whether or not they allow other take. Objectives for the MPA should be included.

MPA Name: Bird Rock- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Point Reyes SMR

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Point Reyes SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a readily determined line of latitude. Eastern boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:** Western boundary needs to be at a readily determined line of longitude. Southern boundary is not at a readily determined line of latitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Point Reyes SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a readily determined line of latitude. Southern and western boundaries are defined by state waters. Eastern boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Drakes Estero SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries descriptions are unclear and do not provide determinable boundaries. Boundaries need to be at readily determined lines of latitude and longitude and/or at easily recognizable landmarks. Shoreline boundary not defined.

Simplicity of Regulations: Should change the name to SMCA or SMRMA in the proposal due to oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined

lines of latitude and longitude should be used when easily recognizable landmarks are not available. This MPA's name should be changed to SMCA or SMRMA in the proposal due to oyster culture. Objectives for the MPA should be included.

MPA Name: Point Bonita/ Bird Island - Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent:

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSJ July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Duxbury Reef SMCA

Boundaries:

- **Meets feasibility criteria:** Boundaries are at easily recognizable landmarks. Southern boundary is defined by state waters.
- **Does not meet feasibility criteria:** The eastern and western boundaries are at easily recognizable landmarks, however the north/ south orientation of these boundaries make easily recognizable landmarks difficult to understand. Instead, whole minute lines of longitude should be used here.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: This MPA includes the Double Point ASBS and Duxbury Reef Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Duxbury Existing SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern and western boundaries are at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Southern boundary defined by distance offshore. Northern boundary not defined.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce the regulation.

Accessibility: These very nearshore waters may be difficult to access via boat. They are accessible via land.

Special Management Areas Adjacent: Located partially within the Point Reyes National Seashore.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Distance offshore should not be used to define boundaries. Objectives for the MPA should be included.

MPA Name: Redwood Creek SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries need to be clarified. Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Within the Golden Gate National Recreation Area.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Point Bonita/ Bird Island- Special Closure

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Recommend using readily determined coordinates for Special Closure area.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Within the Golden Gate National Recreation Area.

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Regulations for the Special Closure need to be specified.

MPA Name: Fitzgerald SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Eastern boundary is not defined. Western boundary is not at a readily determined line of longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montera Light Station and James V. Fitzgerald marine preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable

landmarks are not available. Objectives for the MPA should be included.

MPA Name: Fitzgerald SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Western boundary is defined by state waters.
- **Does not meet feasibility criteria:** Eastern boundary is not at a readily determined line of longitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Located near the Point Montera Light Station and James V. Fitzgerald marine preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Farallon Islands SMCA

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Boundaries need to be clarified.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable

landmarks are not available. Boundaries from other proposed MPAs should not overlap. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: SE Farallon SMCA

Boundaries:

- **Meets feasibility criteria:** Southern, eastern and western boundaries are defined by state waters. Northern boundary is at a readily determinable line of latitude.
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries from other proposed MPAs should not overlap. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: North Farallon SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined

lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries from other proposed MPAs should not overlap. Objectives for the MPA should be included.

MPA Name: SE Farallon SMR

Boundaries:

- **Meets feasibility criteria:** Eastern boundary at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. These boundaries create "floating corners". These corners should be located at readily determined lines of latitude and longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries from other proposed MPAs should not overlap. Objectives for the MPA should be included.

MPA Name: Farallon Islands - Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Regulations need to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: No goals and objectives were included.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a

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distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSJ July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

Proposal Name: Jade "B"

Overall feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document³. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours or distance offshore and "floating corners" in offshore waters that are not at readily determined lines of latitude/ longitude. Throughout this initial array, goals were stated for each MPA but no objectives were included. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. Many Special Closures were also included, but boundaries and regulations were not consistently included. Please refer to the CDFG memo on Special Closures for further guidance⁴.

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. Finally, the use of Special Closures should be carefully considered with clearly stated objectives that include the specific species to be protected, the closed season, and rationale for the closure (such as annual vs seasonal). If readily determined lines of latitude/ longitude or easily recognizable landmarks are not used as boundaries for Special Closures then a distance offshore must be of sufficient size to be clearly understood.

MPA Name: Point Arena SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary is at a easily recognizable landmark. Western boundary at an readily determined line of longitude. Eastern (offshore) boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:** Northern boundary is not at a whole minute line of latitude and is not readily determined. Eastern (shoreline) boundary is not defined.

³ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

⁴California Department of Fish and Game. Memo: Special Closures as they apply to the Marine Life Protection Act (MLPA). November 1, 2007.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Adjacent to the Point Arena Light House and near Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Point Arena abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Point Arena SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary is at a easily recognizable landmark. Eastern boundary is at a readily determined line of longitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern boundary is not at a whole minute line of latitude and is not readily determined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Near to the Point Arena Light House and Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Black Point SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude. Southern boundary is at an easily recognizable landmark.

- **Does not meet feasibility criteria:** Eastern boundary is not defined.
Western boundary is a diagonal line based on a depth contour.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Depth contours should not be used to define boundaries. Objectives for the MPA should be included.

MPA Name: Black Point SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary at a readily determined line of latitude. Southern boundary is at an easily recognizable landmark. Western boundary is defined by state waters.
- **Does not meet feasibility criteria:** Western boundary is a diagonal line based on a depth contour.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Depth contours should not be used to define boundaries. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Gerstle Cove SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to use easily recognizable landmarks.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to Salt Point State Park and Gerstle Cove area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Salt Point abalone index site is located within this MPA. A small boat ramp at Gerstle Cove is located within this MPA.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Russian River SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Southern and western boundaries are not at readily determined lines of latitude/ longitude. Eastern (shoreline) boundary is not defined. Eastern (estuarine) boundary needs to be defined by readily determined lines of longitude or by an easily recognizable landmark.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Doughnut design with Bodega Head SMR surrounded on two sides by Bodega Head SMCA. Northern

boundary not well defined. The mouth of Salmon Creek can change depending on the sandbar and is not easily recognizable from offshore waters. Eastern boundary not defined. Western boundary isn't at a readily determined line of longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab, Bodega Marine Life Refuge Area of Special Biological Significance (ASBS) and Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary at a readily determined line of latitude. Western boundary defined by state waters.

- **Does not meet feasibility criteria:** Doughnut design with Bodega Head SMR surrounded on two sides by Bodega Head SMCA. Northern boundary not well defined. The mouth of Salmon Creek can change depending on the sandbar and is not easily recognizable from offshore waters. Eastern boundary isn't at a readily determined line of longitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible. Numerous boat launches in Bodega Bay, just outside southeastern boundary.

Special Management Areas Adjacent: Near the Bodega Marine Lab, Bodega Marine Life Refuge Area of Special Biological Significance (ASBS) and Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined

lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Allowed/disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Tomales Bay SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary appears to be at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Eastern boundary does not appear to be at an easily recognizable landmark or at a readily determined line of longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. MPA is located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Areas where hunting occurs should be designated as SMRMAs whether or not they allow other take. Objectives for the MPA should be included.

MPA Name: Bird Rock- Special Closure

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Recommend using readily determined coordinates for Special Closure area.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located at the Bird Rock Area of Special Biological Significance (ASBS).

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Regulations for the Special Closure need to be specified.

MPA Name: Point Reyes SMR

Boundaries:

- **Meets feasibility criteria:** Northern, western and eastern boundaries appear to be at readily determined lines of latitude/ longitude. Southern boundary appears to be at an easily recognizable landmark (Chimney Rock buoy).
- **Does not meet feasibility criteria:** Special Closure boundaries need to be clarified.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included. Regulations for the Special Closure need to be specified.

MPA Name: Point Reyes SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a readily determined line of latitude. Southern and western boundaries are defined by state waters. Eastern boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary and Point Reyes Headlands Reserve and Extension area of special biological

significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Drakes Estero SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries descriptions are unclear and do not provide determinable boundaries. Boundaries need to be at readily determined lines of latitude and longitude and/or at easily recognizable landmarks. Shoreline boundary not defined.

Simplicity of Regulations: Should change the name to SMCA or SMRMA in the proposal due to oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. This MPA's name should be changed to SMCA or SMRMA in the proposal due to oyster culture. Objectives for the MPA should be included.

MPA Name: Double Point- Special Closure

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Recommend using readily

determined coordinates for Special Closure area.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessible

Special Management Areas Adjacent: Located at the Double Point Area of Special Biological Significance (ASBS).

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Regulations for the Special Closure need to be specified.

MPA Name: Duxbury Existing SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern and western boundaries are at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Southern boundary defined by distance offshore. Northern boundary not defined.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce the regulation.

Accessibility: These very nearshore waters may be difficult to access via boat but is accessible via land.

Special Management Areas Adjacent: Located partially within the Point Reyes National Seashore and within Duxbury Reef Extension Area of Special Biological Significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Distance offshore should not be used to define boundaries. Objectives for the MPA should be included.

MPA Name: Fitzgerald SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Eastern boundary is not defined.

Western boundary is not at a readily determined line of longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montera Light Station and James V. Fitzgerald marine preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Fitzgerald SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Western boundary is defined by state waters.
- **Does not meet feasibility criteria:** Eastern boundary is not at a readily determined line of longitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Located near the Point Montera Light Station and James V. Fitzgerald marine preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: SE Farallon SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** These boundaries create "floating corners". These corners should be located at readily determined lines of

latitude and longitude. Recommend using readily determined coordinates for Special Closure area.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Floating corners should be located at readily determined lines of latitude/ longitude. Regulations for the Special Closure need to be specified. Objectives for the MPA should be included.

MPA Name: Farallon Island SMCA

Boundaries:

- **Meets feasibility criteria:** Southern and western boundaries are defined by state waters.
- **Does not meet feasibility criteria:** Northern and eastern boundaries are not at readily determined lines of latitude/ longitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

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Proposal Name: Turquoise “A”

Overall Feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document¹. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours and “floating corners” in offshore waters that are not at readily determined lines of latitude/ longitude. Throughout this initial array, goals were stated for each MPA but no objectives were included. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. Many Special Closures were also included, but boundaries and regulations were not included. Please refer to the CDFG memo on Special Closures for further guidance².

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. Finally, the use of Special Closures should be carefully considered with clearly stated objectives that include the specific species to be protected, the closed season, and rationale for the closure (such as annual vs seasonal). If readily determined lines of latitude/ longitude or easily recognizable landmarks are not used as boundaries for Special Closures then a distance offshore must be of sufficient size to be clearly understood.

MPA Name: Point Arena SMR

Boundaries:

- **Meets feasibility criteria:** Northern, southern and eastern boundaries appear to use readily determined lines of latitude and longitude.
- **Does not meet feasibility criteria:** Boundaries do not extend from intertidal waters to deep offshore waters. These floating corners may decrease feasibility by reducing understanding of these boundaries.

¹ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

²California Department of Fish and Game. Memo: Special Closures as they apply to the Marine Life Protection Act (MLPA). November 1, 2007.

Western boundary should use a readily determined line of longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at Point Arena are not specified.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Adjacent to the Point Arena Light House and near Manchester State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Boundaries and regulations for the Special Closure need to be specified.

MPA Name: Fish Rocks- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Fish Rocks are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Gualala Point Island- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at

Gualala Point Island are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSR July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Green Cove and Tidepool- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Green Cove Tidepool are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSR July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Del Mar Landing SMP

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries do not follow a north/south east/west orientation, are irregularly shaped and are not at easily recognizable landmarks or at readily determined lines of latitude

and longitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessed.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: MPA does not extend into deeper offshore waters and may not meet with SAT guidelines.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Black Point SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at readily determined lines of latitude.

- **Does not meet feasibility criteria:** Eastern boundary is not defined. Western boundary is a diagonal line.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Black Point SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at readily determined lines of latitude. Western boundary is defined by state waters.

- **Does not meet feasibility criteria:** Eastern boundary is a diagonal line.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Salt Point SMP

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Southern boundary not at a readily determined line of latitude. Eastern boundary is not defined. Western boundary is a diagonal line.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at Salt Point are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Salt Point State Park and Gerstle Cove area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: MPA does not extend into deeper offshore waters. This MPA may not meet with SAT guidelines. Salt Point abalone index site is located within this MPA. A small boat ramp at Gerstle Cove is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Gerstle Cove SMCA

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to use easily

recognizable landmarks.

- **Does not meet feasibility criteria:** Shoreline boundary is not defined.

Simplicity of Regulations: Regulations are simple, but allows commercial take and prohibits recreational take in a small very nearshore area.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Salt Point State park and Gerstle Cove area of special biological significance (ASBS).

Goals and Objectives: Goals and Objectives are not explained.

Other: MPA does not extend into deeper offshore waters. This MPA may not meet with SAT guidelines. Salt Point abalone index site is located within this MPA. A small boat ramp at Gerstle Cove is located within this MPA.

Recommendations to help meet feasibility guidelines: Goals and objectives for this MPA need to be clearly stated.

MPA Name: Fort Ross- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Fort Ross are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Fort Ross State Park.

Goals and Objectives: Goals and Objectives are not explained.

Other: Borders the Fort Ross abalone index site.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSJ July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Russian River SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at readily determined lines of latitude.

- **Does not meet feasibility criteria:** Eastern boundary is not defined. Western boundary is a diagonal line.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated. Specific regulations for the Special Closure at Russian River Rocks, Arched Rocks and Gull Rock are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Sonoma Coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Northern, southern and western boundaries are at readily determined lines of latitude/ longitude. Eastern (offshore) boundary is at an readily determined line of longitude.
- **Does not meet feasibility criteria:** Eastern shoreline boundary not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Numerous boat launches in Bodega Bay, just outside southeastern boundary.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab, Bodega Marine Life Refuge area of special biological significance (ASBS), and Sonoma coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Northern, southern and eastern boundaries are at readily determined lines of latitude/ longitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Offshore of the Bodega Marine Lab, Bodega Marine Life Refuge area of special biological significance (ASBS), and Sonoma coast State Beach.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Bodega Rock - Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Bodega Rock are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Near the Bodega Bay Marine Lab.

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Tomales Bay SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary appears to be at an easily recognizable landmark
- **Does not meet feasibility criteria:** Eastern boundary does not appear to be at an easily recognizable landmark.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State

Park and the Point Reyes National Seashore. Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Areas where hunting occurs should be designated as SMRMAs whether or not they allow other take.

MPA Name: Bird Rock- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Bird Rock are not specified.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: This Special Closure is adjacent to the Bird Rock area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are not explained.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Hog Island- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance

on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Hog Island are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Golden Gate National Recreation Area

Goals and Objectives: Goals and objectives are not explained.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSR July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Point Reyes Headland SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries are at readily determined lines of latitude/ longitude.

- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at Point Reyes Headland are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included. Boundaries and regulations for the Special Closure need to be specified.

MPA Name: Point Reyes Headland SMCA

Boundaries:

- **Meets feasibility criteria:** Offshore northern boundary defined by readily determined lines of latitude/ longitude. Southern boundary defined by state waters. Western and eastern boundaries are defined by readily determined lines of longitude.
- **Does not meet feasibility criteria:** Northern boundary (shoreline) is not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Drakes Estero SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundary between Drakes Estero and the Pacific Ocean needs to be defined by points of latitude and longitude.

Simplicity of Regulations: Designation should be changed to SMCA or SMRMA due to oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Double Point- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Double Point are not specified.

Accessibility: Not easily accessible

Special Management Areas Adjacent: Double point area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are not explained.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSJ July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Duxbury Reef SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern and western boundaries defined by readily determined lines of longitude. Southern boundary is at a readily determined line of latitude.
- **Does not meet feasibility criteria:** These offshore boundaries create floating corners. These floating corners may decrease feasibility by reducing understanding of these boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Point Resistance are not specified. Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Within Double Point area of special biological significance (ASBS) and Duxbury Reef Extension ASBS.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included. Boundaries and regulations for the Special Closure need to be specified.

MPA Name: Bird Island (Rodeo Beach)- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Bird Island (Rodeo Beach) are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Golden Gate National Recreation Area

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Seal Rocks- Special Closure

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries are not defined.

Simplicity of Regulations: Specific regulations for the Special Closure at Seal Rocks are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Golden Gate National Recreation Area

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west

orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSR July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Moss Beach SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark. Western boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:** Doughnut design with Moss Beach SMR surrounded on two sides by Moss Beach SMCA. Southern boundary is described as "just south of Point San Pedro". This boundary should be at Point San Pedro or at a readily determined line of latitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Moss Beach SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern boundary is at an readily determined line of longitude. Western boundary is defined by state waters. Southern boundary is at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Doughnut design with Moss Beach SMR surrounded on two sides by Moss Beach SMCA. Northern boundary should be clarified. Devils Slide is easily recognized. However, it is highly likely to change over time. Point San Pedro is a preferred easily recognizable landmark.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated. Specific regulations for the Special Closure at San Pedro Cliffs are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Located offshore of the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included. Boundaries and regulations for the Special Closure need to be specified.

MPA Name: Between Lobitos Creek and Tunitas Creek- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Between Lobitos Creek and Tunitas Creek are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Pescadero Estuary SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries are not defined by easily recognizable landmarks or by readily determined lines of

latitude/longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located near Pescadero State Beach and within the Pescadero Marsh Natural Preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Middle Farallon SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Boundaries should avoid "floating corners". Offshore corners, as proposed here, should follow readily determined whole minute lines of latitude/longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: North Farallon SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Boundaries should avoid "floating corners". Offshore corners, as proposed here, should follow readily determined whole minute lines of latitude/longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at North Farallons are not specified.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Boundaries and regulations for the Special Closure need to be specified.

MPA Name: SE Farallons SMCA

Boundaries:

- **Meets feasibility criteria:** Southern and western boundaries are defined by state waters.
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Northern and Eastern boundaries are not at readily determined lines of latitude/ longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: SE Farallons SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Boundaries should avoid "floating corners". Offshore

corners, as proposed here, should follow readily determined whole minute lines of latitude/longitude. Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at SE Farallons are not specified.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Boundaries and regulations for the Special Closure need to be specified.

MPA Name: East Farallons SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and western boundaries are defined by state waters.

- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Boundaries should avoid "floating corners". Offshore corners, as proposed here, should follow readily determined whole minute lines of latitude/longitude. Southern and eastern boundaries are not at readily determined lines of latitude/ longitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included. Allowed/ disallowed uses should be clearly stated.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Farallon Islands SMCA

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Regulations are confusing with some in effect for certain periods of time throughout the year. Boundaries are based on distance offshore and are not readily determined.

Simplicity of Regulations: Regulations are confusing which reduces public understanding and enforceability.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

Proposal Name: Turquoise "B"

Overall Feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document³. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours and "floating corners" in offshore waters that are not at readily determined lines of latitude/ longitude. Throughout this initial array, goals were stated for each MPA but no objectives were included. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. Many Special Closures were also included, but boundaries and regulations were not included. Please refer to the CDFG memo on Special Closures for further guidance⁴.

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. Finally, the use of Special Closures should be carefully considered with clearly stated objectives that include the specific species to be protected, the closed season, and rationale for the closure (such as annual vs seasonal). If readily determined lines of latitude/ longitude or easily recognizable landmarks are not used as boundaries for Special Closures then a distance offshore must be of sufficient size to be clearly understood.

MPA Name: Point Arena SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a readily determined line of latitude. Southern boundary is at an easily recognizable landmark. Eastern boundary defined by an easily recognizable landmark (Point Arena Lighthouse).
- **Does not meet feasibility criteria:** Western boundary not at a readily determined line of longitude. This is a doughnut design with Point Arena SMR surrounded on three sides Point Arena SMCA. Boundaries for Special Closure not defined. Eastern shoreline boundary is not

³ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

⁴California Department of Fish and Game. Memo: Special Closures as they apply to the Marine Life Protection Act (MLPA). November 1, 2007.

specifically defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at Point Arena are not specified.

Accessibility: Accessible from various boat ramps and by land.

Special Management Areas Adjacent: Adjacent to Manchester State Beach and the Point Arena Light House.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Point Arena abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Boundaries and regulations for the Special Closure need to be specified. Objectives for the MPA should be included.

MPA Name: Point Arena SMCA

Boundaries:

- **Meets feasibility criteria:** Western boundary defined by state waters. Southern boundary is at an easily recognizable landmark.

- **Does not meet feasibility criteria:** Doughnut design with Point Arena SMR surrounded on two sides Point Arena SMCA. Northern boundary is not defined by an readily determined line of latitude or by an easily recognizable landmark.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible from various boat ramps and by land.

Special Management Areas Adjacent: Adjacent to Manchester State Beach and near the Point Arena Light House.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Objectives for the MPA should be included.

MPA Name: Fish Rocks- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Fish Rocks are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSJ July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Gualala Point Island- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Gualala Point Island are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSJ July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Green Cove and Tidepool- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Green Cove Tidepool are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives were not stated.

Other: The Department will provide further advise on defining Special Closure boundaries at the next RSG meeting.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSR July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Del Mar Landing SMP

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries do not follow a north/south east/west orientation, are irregularly shaped and are not at easily recognizable landmarks or at readily determined lines of latitude and longitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessed.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: MPA does not extend into deeper offshore waters and may not meet with SAT guidelines.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Black Salt SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark (Black Point). Southern boundary is at an easily recognizable landmark (Salt Point).
- **Does not meet feasibility criteria:** Western boundary is a diagonal line defined by a depth contour. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at Salt Point are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Southern portion is adjacent to Salt Point State Park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Salt Point abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries and regulations for the Special Closure need to be specified. Objectives for the MPA should be included.

MPA Name: Black Salt SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark (Black Point). Southern boundary is at an easily recognizable landmark (Salt Point). Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Eastern boundary is a diagonal line defined by a depth contour.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Southern portion is offshore of Salt Point State Park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: Salt Point abalone index site is located within a small portion of this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Fort Ross- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Fort Ross are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Fort Ross State Park.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRS July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Russian River SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at readily determined lines of latitude.
- **Does not meet feasibility criteria:** Eastern shoreline boundary not defined. Eastern estuarine boundary is not defined by easily recognizable landmarks or by readily determined lines of latitude/longitude. Western boundary is a diagonal and irregular line.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated. Specific regulations for the Special Closure at Russian River Rocks, Arched Rocks and Gull Rock are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Sonoma Coast State Beach

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: MPA does not extend into deeper offshore waters and may not meet SAT guidelines. This MPA borders the Fort Ross abalone index site.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries and regulations for the Special Closure need to be specified. Objectives for the MPA should be included.

MPA Name: Charter Beach SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary defined by an easily recognizable landmark.
- **Does not meet feasibility criteria:** Northern boundary not at an easily recognizable landmark or at a readily determined line of latitude. Eastern boundary not defined. Western boundary appears to be defined by distance offshore or a depth contour.

Simplicity of Regulations: A long list of excepted species to the general regulation makes it difficult to understand and enforce this regulation.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Fort Ross State Park.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Northern, southern and western boundaries are at readily determined lines of latitude/ longitude. Eastern (offshore) boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:** Eastern shoreline boundary not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Numerous boat launches in Bodega Bay, just outside southeastern boundary.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab and Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Northern, southern and eastern boundaries are at readily determined lines of latitude/ longitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab and Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Bodega Rock - Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Bodega Rock are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Near the Bodega Bay Marine Lab.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT

guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Tomales Bay SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary appears to be at an easily recognizable landmark
- **Does not meet feasibility criteria:** Eastern boundary does not appear to be at an easily recognizable landmark.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. This MPA is located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Areas where hunting occurs should be designated as SMRMAs whether or not they allow other take. Objectives for the MPA should be included.

MPA Name: Bird Rock- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Bird Rock are not specified.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Bird Rock area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSRSG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Hog Island- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Hog Island are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located within the Golden Gate National Recreation Area.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSRSG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Pt Reyes Headland SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries are at readily determined lines of latitude/ longitude.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at Point Reyes Headland are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries and regulations for the Special Closure need to be specified.

MPA Name: Pt Reyes Headland SMCA

Boundaries:

- **Meets feasibility criteria:** Offshore northern boundary defined by readily determined lines of latitude/ longitude. Southern boundary defined by state waters. Western and eastern boundaries defined by a readily determined line of longitude.
- **Does not meet feasibility criteria:** Northern boundary (shoreline) is not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary. This MPA includes the Point Reyes National Research Natural Area and Point Reyes Headlands Reserve and Extension area of special biological significance (ASBS).

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Drakes Estero SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundary between Drakes Estero and the Pacific Ocean needs to be defined by points of latitude and longitude.

Simplicity of Regulations: Designation should be changed to SMCA due to

oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Double Point- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Double Point are not specified.

Accessibility: Not easily accessible.

Special Management Areas Adjacent: Double point area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Duxbury Reef SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern and western boundaries defined by readily determined lines of longitude. Southern boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern boundary is not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated. Specific regulations for the Special Closure at Point Resistance are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Within Double Point area of special biological significance (ASBS) and Duxbury Reef Extension ASBS.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries and regulations for the Special Closure need to be specified.

MPA Name: Bird Island (Rodeo Beach)- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Bird Island (Rodeo Beach) are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located within the Golden Gate National Recreation Area.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Seal Rocks- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Seal Rocks are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located within the Golden Gate National Recreation Area.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCRSR July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly eliminate flushing events).

MPA Name: Moss Beach SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark. Western boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:** Southern boundary is described as "just south of Point San Pedro". This boundary should be at Point San Pedro or at a readily determined line of latitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at San Pedro Cliffs are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries and regulations for the Special Closure need to be specified. Objectives for the MPA should be included.

MPA Name: Moss Beach SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark. Eastern boundary is at a readily determined line of longitude. Western boundary is defined by state waters.
- **Does not meet feasibility criteria:** Southern boundary is described as "just south of Point San Pedro". This boundary should be at Point San Pedro or at an readily determined line of latitude.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat..

Special Management Areas Adjacent: Located offshore of the Point Montera Light Station and James A. Fitzgerald Marine Reserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Between Lobitos Creek and Tunitas Creek- Special Closure

Boundaries: Please refer to the CDFG memo on Special Closures for guidance on boundaries.

Simplicity of Regulations: Specific regulations for the Special Closure at Between Lobitos Creek and Tunitas Creek are not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives were not stated.

Recommendations to help meet feasibility guidelines: Goals and objectives for the Special Closure need to be clearly stated. The objectives must specifically identify the species to be protected and reason for considering an annual vs seasonal closure. Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available or utilize a distance offshore of sufficient size to be easily understood and enforced (SAT guidance regarding buffer zones in Question 6 to the SAT from the NCCSRG July 10-11 meeting indicate a buffer of 400 meters would be necessary to nearly

eliminate flushing events).

MPA Name: Pescadero Estuary SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries are not defined by easily recognizable landmarks or by readily determined lines of latitude/longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located near Pescadero State Beach and within the Pescadero Marsh Natural Preserve.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: North Farallon SMR

Boundaries:

- **Meets feasibility criteria:** Eastern boundary is at readily determined lines of longitude.
- **Does not meet feasibility criteria:** Boundaries should avoid "floating corners". Offshore corners, as proposed here, should follow readily determined whole minute lines of latitude/longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood. Specific regulations for the Special Closure at North Farallons are not specified.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries and regulations for the Special Closure

need to be specified. Objectives for the MPA should be included.

MPA Name: SE Farallon SMCA

Boundaries:

- **Meets feasibility criteria:** Southern and western boundaries are defined by state waters. Northern and Eastern boundaries are at readily determined lines of latitude/ longitude.
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Farallon Subregion SMCA

Boundaries:

- **Meets feasibility criteria:** Outside boundaries are defined by state waters.
- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Farallon Islands SMCA

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Boundaries overlap with other proposed MPAs. Regulations are confusing with some in effect for certain periods of time throughout the year. Boundaries are based on distance offshore and are not readily determined.

Simplicity of Regulations: Regulations are confusing which reduces public understanding and enforceability.

Accessibility: Only accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary and adjacent to the Farallon National Wildlife Refuge.

Goals and Objectives: Goals of the MPA were clearly stated. However, specific objectives (as listed in the NCCSR Goals and Objectives document) were not included.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

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Proposal Name: External "A"

Overall feasibility of the proposal:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document¹. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction and boundaries that are based on depth contours or distance offshore. Throughout this proposal, goals and objectives were not included for the proposed MPAs. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. MPAs with doughnut designs should be re-examined. Regulations outlined in the proposal need further clarification including specifying recreational and commercial take.

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses.

MPA Name: Arena Rock SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary at readily determined line of latitude.
- **Does not meet feasibility criteria:** Boundaries need to be defined by straight lines at readily determined lines of latitude and longitude and/or at easily recognizable landmarks. South of Pirates cove is not an easily recognizable landmark and should not be used as the southern boundary. Western boundary not at a readily determined line of longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible from various boat ramps and by land.

Special Management Areas Adjacent: Offshore of Manchester State Park and

¹ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

adjacent to the Point Arena Light House.

Goals and Objectives: Goals and Objectives are not clearly explained.

Other: Point Arena Municipal Pier public boat launch located south of this MPA. Arena cove abalone index site within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Arena Rock SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary at readily determined line of latitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Boundaries need to be defined by straight lines at readily determined lines of latitude and longitude and/or at easily recognizable landmarks. South of Pirates cove is not an easily recognizable landmark and should not be used as the southern boundary. Eastern boundary not at a readily determined line of longitude.

Simplicity of Regulations: Groundfish are not defined and recreational and/ or commercial take is not specified.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Offshore of the Point Arena Light House, near Manchester State Beach.

Goals and Objectives: Goals and Objectives are not clearly explained.

Other: Point Arena Municipal Pier public boat launch located south of this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be included.

MPA Name: Richardson's Ranch SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Doughnut design with Richardson's Ranch SMR surrounded on two sides by Richardson's Ranch SMCA. Southern boundary not at an easily recognizable

landmark or at a readily determined line of latitude. Eastern boundary is not defined. Western boundary is diagonal and not orientated in a north/south direction.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Inaccessible into the intertidal by land. Accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and Objectives are not clearly explained.

Other: MPA names should be focused on the geographic location (i.e. Point Arena). Proper names of people (e.g., Richardson's Ranch SMR) should not be used in MPA naming.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included. Name of the MPA should be changed to reflect a geographic feature of the area.

MPA Name: Richardson's Ranch SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary at an easily recognizable landmark. The western boundary is defined by state waters.

- **Does not meet feasibility criteria:** Doughnut design with Richardson's Ranch SMR surrounded on two sides by Richardson's Ranch SMCA. Southern boundary not at an easily recognizable landmark or at a readily determined line of latitude. The southern portion of the eastern boundary is not defined. The northern portion of the eastern boundary is defined by a diagonal line.

Simplicity of Regulations: Groundfish are not defined and recreational and/ or commercial take is not specified.

Accessibility: Intertidal areas are accessible in the southern portion of the MPA. However, the nearest boat launch is located at Gerstle Cove and is used for small skiffs or kayaks.

Special Management Areas Adjacent: South portion is adjacent to Salt Point State Park

Goals and Objectives: Goals and Objectives are not clearly explained.

Other: MPA names should be focused on the geographic location (i.e. Point Arena). Proper names of people (e.g., Richardson's Ranch SMR) should not be used in MPA naming. Salt Point abalone index is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of

latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be included. Name of the MPA should be changed to reflect a geographic feature of the area.

MPA Name: Gerstle Cove SMCA

Boundaries:

- **Meets feasibility criteria:** Boundaries appear to use easily recognizable landmarks
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Regulations are simple, but allows commercial take and prohibits recreational take in a small very nearshore area.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Salt Point State Park.

Goals and Objectives: Goals and Objectives are not explained.

Other: Salt Point abalone index is located within this MPA.

Recommendations to help meet feasibility guidelines: Goals and objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Doughnut design with Bodega Head SMR located inside Bodega Head SMCA. SMR boundaries are irregularly shaped and are not defined by easily recognizable landmarks or by easily determined straight east/west or north/south lines. Western boundary appears to utilize a depth contour or distance offshore.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible, however may be difficult to access by boat in these nearshore waters. Access into the intertidal by land is available in some areas.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab, Sonoma Coast State Beach and Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals and Objectives are not included in the proposal.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Goals and objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Doughnut design with Bodega Head SMR located inside Bodega Head SMCA. Eastern boundary not defined. Northern and southern boundaries are not at readily determined lines of latitude or at easily recognizable landmarks.

Simplicity of Regulations: Groundfish are not defined and "limited recreational take" needs to be clarified.

Accessibility: Accessible.

Special Management Areas Adjacent: Offshore of the Bodega Marine Lab and adjacent to the Sonoma Coast State Beach.

Goals and Objectives: Goals and Objectives are not included in the proposal.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Doughnut designs should be avoided. Goals and objectives for the MPA should be included.

MPA Name: Tomales Bay SMP

Boundaries:

- **Meets feasibility criteria:** Western boundary appears to be at an easily recognizable landmark
- **Does not meet feasibility criteria:** Eastern boundary does not appear to be at an easily recognizable landmark.

Simplicity of Regulations: Boating regulations are not well defined and potentially inconsistent with desired uses.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. Located within the Gulf of the Farallons National Marine Sanctuary and the Golden Gate National Recreation Area.

Goals and Objectives: Goals and Objectives are not explained.

Other: The Department does not support the use of marine protected areas to exclude waterfowl hunting or its discussion as part of the MLPA process. Proposals for waterfowl hunting should be brought to the Department and Commission as part of normal hunting regulations processes. In areas where duck or other waterfowl hunting occurs presently, we recommend using the State Marine Recreational Management Area designation and specifically allowing the

hunting to continue.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Point Reyes SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Doughnut design with Point Reyes SMR surrounded by Point Reyes SMCA. Offshore boundaries are not clear. Appears to use distance offshore or depth contours as offshore boundary. Northern boundary is not clearly identified. None of the boundaries appear to use readily determined lines of latitude/ longitude and/ or easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat however may be difficult in these very nearshore waters. Some parts of the rocky intertidal area can be accessed.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals and Objectives are not included in the proposal.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Point Reyes SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary defined by state waters.
- **Does not meet feasibility criteria:** Doughnut design with Point Reyes SMR surrounded by Point Reyes SMCA. No written boundary descriptions were provided. Maps appear to provide the northern boundary at the northern end of Point Reyes and the southern boundary to be at the south end of Limantour Bay (which would be at easily recognized landmarks). The Southern boundary appears to be defined by state waters. The eastern boundary is not defined.

Simplicity of Regulations: Rockfish are not defined and recreational and/ or

commercial take is not specified.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals and Objectives are not included in the proposal.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be included.

MPA Name: Duxbury Reef SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries appear to be at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Western boundary is an irregular shape not defined by landmarks or by easily determined lines of longitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Double Point ASBS and Duxbury Reef Extension area of special biological significance (ASBS).

Goals and Objectives: Goals and Objectives are not explained.

Other: Bolinas Rod and Boat Club private launch to the east of this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Duxbury Reef SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries appear to be at easily recognizable landmarks. Western boundary is not defined in the written description but appears to be at state waters.
- **Does not meet feasibility criteria:** Eastern boundary is an irregular shape not defined by landmarks or by easily determined lines of longitude.

Simplicity of Regulations: Groundfish are not defined and recreational and/ or

commercial take is not specified.

Accessibility: Accessible.

Special Management Areas Adjacent: none adjacent.

Goals and Objectives: Goals and Objectives are not explained.

Other: Bolinas Rod and Boat Club private launch to the east of this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be included.

MPA Name: Pillar Point SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Eastern boundary defined by mean high tide.
- **Does not meet feasibility criteria:** Western boundary defined by distance offshore.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montera Light Station.

Goals and Objectives: Goals and Objectives are not included in the proposal.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined by distance offshore. Goals and objectives for the MPA should be included.

MPA Name: Pillar Point SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Eastern boundary defined by distance offshore.

Simplicity of Regulations: Groundfish are not defined and recreational and/ or commercial take is not specified.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located adjacent to the Point Monterera Light Station.

Goals and Objectives: Goals and Objectives are not included in the proposal.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined by distance offshore. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be included.

MPA Name: Farallon Islands SMR

Boundaries:

- **Meets feasibility criteria:** Eastern boundary at readily determined line of longitude.
- **Does not meet feasibility criteria:** Northern, southern and eastern boundaries not at easily determined lines of longitude/latitude. Shoreline boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals and Objectives are not explained.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Goals and objectives for the MPA should be included.

MPA Name: Farallon Islands SMCA

Boundaries:

- **Meets feasibility criteria:** Eastern boundary at readily determined line of latitude. Eastern boundary Southwestern boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern boundary not at a readily determined line of latitude.

Simplicity of Regulations: Groundfish are not defined and recreational and/ or commercial take is not specified.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons

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National Marine Sanctuary and adjacent to the Farallon National Wildlife Refuge.

Goals and Objectives: Goals and Objectives are not included in the proposal.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be included.

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Proposal Name: External "B"

Overall feasibility of the proposal:

This proposal met much of the feasibility guidelines outlined in the CDFG Feasibility document¹. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction and MPAs with doughnut designed boundaries. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary.

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. .

MPA Name: Point Arena SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a whole degree of latitude. Southern boundary appears to be at an easily recognizable landmark and is at an easily determined line of latitude. Part of the Eastern boundary is defined by an easily determined line of longitude. Western boundary is defined by easily determined line of longitude.
- **Does not meet feasibility criteria:** Part of the eastern boundary is defined as "shoreline".

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible from various boat ramps and by land.

Special Management Areas Adjacent: Offshore of Manchester State Park and adjacent to the Point Arena Light House.

Goals and Objectives: Goals and objectives are clearly listed.

Other: Point Arena Municipal Pier public boat launch located south of this MPA. Arena cove abalone index site within this MPA.

¹ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

Recommendations to help meet feasibility guidelines: "Shoreline" boundary needs to be clarified.

MPA Name: Point Arena SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a whole degree of latitude. Southern boundary appears to be at an easily recognizable landmark and is at an easily determined line of latitude. Eastern boundary is defined by an easily determined line of longitude. Western boundary is defined by easily determined line of longitude.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible from various boat ramps.

Special Management Areas Adjacent: Offshore of the Point Arena Light House, near Manchester State Park.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Appears to meet feasibility guidelines.

MPA Name: Sea Ranch SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily determined lines of latitude.
- **Does not meet feasibility criteria:** Eastern boundary is defined as "shoreline". Western boundary is defined by a diagonal line.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a due north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Sea Ranch SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily determined lines of latitude. Western boundary defined by state

waters

- **Does not meet feasibility criteria:** Eastern boundary is defined by a diagonal line.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a due north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Salt Point SMP

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily determined line of latitude.

- **Does not meet feasibility criteria:** Southern boundary not at a readily determined line of latitude or at an easily recognizable landmark. Eastern boundary is defined as "shoreline". Western boundary is defined by a diagonal line.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible

Special Management Areas Adjacent: Adjacent to Salt Point State Park and Gerstle Cove area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Other: Salt Point abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a due north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Russian River SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Northern boundary is defined as "shoreline". Southern and eastern boundaries are not defined by easily recognizable landmarks or by easily determined points of latitude and longitude.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Sonoma State Beach.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a whole minute of latitude.
- **Does not meet feasibility criteria:** Southern boundary is a diagonal. Eastern boundary is defined as "shoreline". Western boundary is an irregular shape not defined by landmarks or by easily determined, straight north/south lines.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab and the Bodega Marine Life area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a due north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a whole minute of latitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Southern boundary is a diagonal line. Eastern boundary is an irregular shape not defined by landmarks or by easily determined straight north/south lines.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Offshore of the Bodega Marine Lab and the Bodega Marine Life area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a due north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Point Reyes SMR

Boundaries:

- **Meets feasibility criteria:** Parts of the northern boundary is at a whole degree of latitude. Eastern and western boundaries are at easily determined lines of longitude. Southern boundary is at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Doughnut design with Point Reyes SMR surrounded on four sides by Point Reyes SMCA. Parts of the northern boundary is defined as "shoreline". Southern boundary is not defined by easily recognizable landmarks or by readily determined lines of latitude.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessibility may be difficult by boat in this nearshore area. Some parts of the rocky intertidal area can be accessed.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided.

MPA Name: Point Reyes SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at a whole degree of latitude. Southern and western boundaries are defined by state waters. Eastern boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:** Doughnut design with Point Reyes SMR surrounded on four sides by Point Reyes SMCA. Eastern boundary is not defined by easily recognizable landmarks or by readily determined lines of longitude.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National

Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided.

MPA Name: Drakes Estero SMCA

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries need to be at easily determined lines of latitude and longitude and/or at easily recognizable landmarks. Shoreline boundary not defined.

Simplicity of Regulations: Allowed/disallowed uses are easily understood

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore

Goals and Objectives: Goals and objectives are clearly listed.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Fitzgerald SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at a easily recognized landmarks. Western boundary is at an easily determined line of longitude.
- **Does not meet feasibility criteria:** Doughnut design with Fitzgerald SMR surrounded on two sides by Fitzgerald SMCA. Eastern boundary is defined as "shoreline".

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montara light station.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided.

MPA Name: Fitzgerald SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at a easily recognized landmarks. The southern portion of the eastern boundary is at a readily determined line of longitude. Western boundary is defined by state waters.
- **Does not meet feasibility criteria:** Doughnut design with Fitzgerald SMR surrounded on two sides by Fitzgerald SMCA. Parts of the eastern boundary is defined as "shoreline" and parts are defined by lines of longitude which are not easily determined.

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montara light station.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided.

MPA Name: South East Farallon Islands SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily determined lines of latitude. Western and eastern boundary defined by an easily determined line of longitude.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: MPA appears to meet feasibility guidelines.

MPA Name: South East Farallon Islands SMCA

Boundaries:

- **Meets feasibility criteria:** Northern boundary is at an easily determined line of latitude. Southern and western boundaries are defined by state waters. Eastern boundary defined by an easily determined line of longitude.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary and adjacent to the Farallon National Wildlife Refuge.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: MPA appears to meet feasibility guidelines.

California Department of Fish and Game
North Central Coast Study Region
Feasibility Evaluation- External "C"
November 16, 2007

Proposal Name: External "C"

Overall feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document¹. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours or distance offshore. Throughout this initial array, goals were stated for each MPA but specific objectives were not included. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary.

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. .

MPA Name: Point Arena SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Western boundary defined by a depth contour. Eastern boundary along the shore is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible from various boat ramps and by land. The port of Point Arena is approximately two nautical miles south.

Special Management Areas Adjacent: Offshore of Manchester State Beach and adjacent to the Point Arena Light House.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of

¹ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using depth contours. Objectives for the MPA should be included.

MPA Name: Point Arena SMCA

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** The northern boundary at Brush Creek is not an easily recognizable landmark. It is a small creek that empties into a large, flat beach and is not readily observed from offshore waters. Southern boundary needs to be at a specific point, not "just north of Arena Cove". Eastern boundary defined by a depth contour. Western boundary undefined.

Simplicity of Regulations: Allowed / disallowed uses and commercial and/ or recreational take need to be clearly stated.

Accessibility: Accessible from various boat ramps and by land. The port of Point Arena is approximately two nautical miles south.

Special Management Areas Adjacent: Offshore of the Point Arena Light House. Near Manchester State Beach.

Goals and Objectives: Goals and Objectives are not clearly explained.

Other: Arena cove abalone index site within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using depth contours. Goals and objectives for the MPA should be clarified.

MPA Name: Mendocino Coast SMCA I

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Northern boundary needs to be specifically defined by either a landmark (i.e. south end of the mouth of Galloway Creek, the northern point of Schooner Gulch or the north end of the bridge at Schooner Gulch) and/or by an easily determined line of latitude. Southern boundary needs to be specifically defined by either a landmark (i.e. north end of Fish Rock Beach or the point at Haven's Neck) and/or by an easily determined line of latitude. Eastern boundary not defined. Western boundary defined by distance offshore.

Simplicity of Regulations: Allowed / disallowed uses and commercial and/ or recreational take need to be clearly stated.

Accessibility: Accessible, the port of Anchor Bay is located at the southern boundary.

Special Management Areas Adjacent: Kelp Beds at Saunders Reef area of special biological significance (ASBS) is within this MPA.

Goals and Objectives: Goals and Objectives are not clearly explained.

Other: MPA names using I and II or A and B decrease public understanding and should be avoided. Anchor Bay boat launch is located within this MPA. Arena Cove abalone index site borders this MPA's northern boundary.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using distance offshore. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be clarified. The name of the MPA should be modified.

MPA Name: Mendocino Coast SMCA II

Boundaries:

- **Meets feasibility criteria:** Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Northern boundary needs to be specifically defined by either a landmark (i.e. south end of the mouth of Galloway Creek, the northern point of Schooner Gulch or the north end of the bridge at Schooner Gulch) and/or by an easily determined line of latitude. Southern boundary needs to be specifically defined by either a landmark (i.e. north end of Fish Rock Beach or the point at Haven's Neck) and/or by an easily determined line of latitude. Eastern boundary defined by distance offshore.

Simplicity of Regulations: Allowed / disallowed uses and commercial and/ or recreational take need to be clearly stated.

Accessibility: Accessible, the port of Anchor Bay is located at the southern boundary.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and Objectives are not clearly explained.

Other: MPA names using I and II or A and B decrease public understanding and should be avoided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using distance offshore. Allowed/ disallowed uses should be clearly stated. Goals and objectives for the MPA should be clarified. The name of the MPA should be modified.

MPA Name: Sonoma Coast SMR

Boundaries:

- **Meets feasibility criteria:** Northern boundary defined by an easily recognizable landmark. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Southern boundary needs clarification. The southern point (boundary) of Gerstle Cove should be used if Gerstle Cove is to be included. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Stewarts Point and a small boat ramp in Gerstle Cove is included in this MPA.

Special Management Areas Adjacent: Salt Point State Park is adjacent to the southern end of the MPA.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Other: A small boat ramp at Gerstle Cove is located within this MPA. Salt Point abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Russian River SMR

Boundaries:

- **Meets feasibility criteria:** Western and southern boundaries are defined by easily recognizable landmarks.
- **Does not meet feasibility criteria:** Eastern (shoreline) boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Port of Jenner is included in the MPA.

Special Management Areas Adjacent: Adjacent to Sonoma Coast State Beach.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary is at an easily determined line of latitude.

- **Does not meet feasibility criteria:** Northern boundary not well defined. The mouth of Salmon Creek can change depending on the sandbar and is not easily recognizable from offshore waters. Eastern boundary is not defined. Western boundary is defined by a depth contour.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Bodega Bay port is nearby.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab and Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using depth contours. Objectives for the MPA should be included.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary is at an easily determined line of latitude.

- **Does not meet feasibility criteria:** The northern boundary is not well defined. The mouth of Salmon Creek can change depending on the sandbar and is not easily recognizable from offshore waters. Eastern boundary is defined by a depth contour. Western boundary is not defined.

Simplicity of Regulations: Allowed / disallowed uses and commercial and/ or recreational take need to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Offshore of the Bodega Marine Lab and the Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals and Objectives are not clearly explained.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using depth contours. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Tomales Bluff SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Eastern boundary is not defined. Western boundary is defined by distance offshore.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: This MPA is a long distance from a boat launch and not easily accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using distance offshore. Objectives for the MPA should be included.

MPA Name: Tomales Bluff SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks.
- **Does not meet feasibility criteria:** Eastern boundary defined using distance offshore.

Simplicity of Regulations: Allowed / disallowed and commercial and/ or recreational take need to be clearly stated.

Accessibility: This MPA is a long distance from a boat launch and not easily accessible.

Special Management Areas Adjacent: Offshore of the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using distance offshore. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Point Reyes Headland SMR

Boundaries:

- **Meets feasibility criteria:** Northern and western boundaries are at readily determined lines of latitude and longitude.
- **Does not meet feasibility criteria:** Southern boundary is not at a readily determined line of latitude. Eastern boundary should be clarified whether the line is at the line of longitude provided or if it is determined by the buoy.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Drakes Bay port is included.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Point Reyes Headland SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary is defined by state waters. Western boundary is at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Northern and eastern boundaries are not at readily determined lines of latitude.

Simplicity of Regulations: Allowed / disallowed uses and commercial and/ or recreational take need to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallons National Marine Sanctuary.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Drakes-Limantour Estero SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundaries descriptions are unclear and do not provide determinable boundaries. Boundaries need to be at easily determined lines of latitude and longitude and/or at easily recognizable landmarks. Shoreline boundary not defined.

Simplicity of Regulations: Should change the name to SMCA in the proposal due to oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included. Designation needs to be changed to SMRMA or SMCA due to oyster culture.

MPA Name: Duxbury-Double Point SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries are at easily recognizable landmarks. Southern boundary is defined by state waters.
- **Does not meet feasibility criteria:** The eastern and western boundaries are at easily recognizable landmarks. However the north/ south orientation of these boundaries makes easily determined landmarks difficult to understand. Instead, whole minute lines of longitude should be used here.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Double Point area of special biological significance (ASBS).

Goals and Objectives: Goals are clearly explained. However, objectives are not

provided.

Recommendations to help meet feasibility guidelines: Boundaries should be at readily determined lines of longitude. Objectives for the MPA should be included.

MPA Name: Duxbury-Double Point SMCA

Boundaries:

- **Meets feasibility criteria:** Boundaries are at easily recognizable landmarks. Southern boundary is defined by state waters.
- **Does not meet feasibility criteria:** The eastern and western boundaries are at easily recognizable landmarks, however the north south orientation of these boundaries makes easily determined landmarks difficult to understand. Instead, whole minute lines of longitude should be used here.

Simplicity of Regulations: Allowed / disallowed uses and commercial and/ or recreational take need to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Duxbury Reef Extension area of special biological significance (ASBS).

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be at readily determined lines of longitude. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Fitzgerald-Devils Slide SMR

Boundaries:

- **Meets feasibility criteria:** Northern and western boundaries are at readily determined lines of latitude and longitude.
- **Does not meet feasibility criteria:** Southern boundary is not at a readily determined line of latitude. Eastern boundary is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Pillar Point Harbour is located nearby.

Special Management Areas Adjacent: Located adjacent to the Point Montara light station.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined

lines of latitude and longitude should be used when easily recognizable landmarks are not available. Objectives for the MPA should be included.

MPA Name: Fitzgerald-Devils Slide SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and eastern boundaries are at readily determined lines of latitude. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Southern boundary is not at a readily determined line of latitude.

Simplicity of Regulations: Allowed / disallowed uses and commercial and/ or recreational take need to be clearly stated.

Accessibility: Accessible. Pillar Point Harbour is located nearby.

Special Management Areas Adjacent: Located offshore of the Point Montara light station and Bean Hollow State Beach.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. Objectives for the MPA should be included.

MPA Name: Pescadero-Bean Hollow SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Western boundary defined by state waters.
- **Does not meet feasibility criteria:** Eastern boundary not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Pescadero State Beach and Pescadero Marsh Natural Reserve and Bean Hollow State Beach.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

MPA Name: Farallon Islands SMR

Boundaries:

- **Meets feasibility criteria:** Boundaries can be readily understood by the public.
- **Does not meet feasibility criteria:**

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located within the Gulf of the Farallons National Marine Sanctuary and adjacent to the Farallon National Wildlife Refuge.

Goals and Objectives: Goals are clearly explained. However, objectives are not provided.

Recommendations to help meet feasibility guidelines: Objectives for the MPA should be included.

California Department of Fish and Game
North Central Coast Study Region
Feasibility Evaluation- External "D"
November 16, 2007

Proposal Name: External "D"

Overall feasibility of the draft array:

This proposal met some of the feasibility guidelines outlined in the CDFG Feasibility document¹. However, some feasibility concerns were determined and need to be addressed. Some of the frequently seen design elements that decrease MPA feasibility include: Boundaries that are not at readily determined lines of latitude/ longitude or at easily recognizable landmarks; boundaries that are not orientated in a due north/ south, east/ west direction; boundaries that are based on depth contours or distance offshore. Also, if shoreline boundaries are different from the standard mean high tide line, this should be stated. It is presently unclear if the standard mean high tide boundary is used and, if not, rationale for any different boundary. Some SMRs were designated as no take and no disturbance. These areas fall under Special Closure designation. The CDFG memo on Special Closures provides further information on this topic².

Suggestions for improving the feasibility of the array include: the boundary descriptions must explicitly identify latitude and longitude coordinate for all MPA corners and where appropriate provide a clear description of the use of recognizable landmarks, navigational buoys, or other delineating features. Descriptions of shoreline boundaries should be clearly defined (i.e. mean high tide line). Regulations need to be very specific and identify allowed users as well as uses. Finally, the use of Special Closures should be carefully considered with clearly stated objectives that include the specific species to be protected, the closed season, and rationale for the closure (such as annual vs seasonal). If readily determined lines of latitude/ longitude or easily recognizable landmarks are not used as boundaries for Special Closures then a distance offshore must be of sufficient size to be clearly understood.

MPA Name: Point Arena SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Doughnut design with Point Arena SMR surrounded on two sides by Point Arena SMCA. Western boundary defined by a depth contour. Eastern boundary along the shore is not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

¹ CDFG. Statement of feasibility criteria for use in analyzing siting alternatives during the second phase of the Marine Life Protection Act Initiative. June 11, 2007.

²California Department of Fish and Game. Memo: Special Closures as they apply to the Marine Life Protection Act (MLPA). November 1, 2007.

Accessibility: Accessible.

Special Management Areas Adjacent: Offshore of Manchester State Beach and adjacent to the Point Arena Light House.

Goals and Objectives: Goals and objectives are clearly listed.

Other: Point Arena abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Boundaries should not be defined using depth contours.

MPA Name: Point Arena SMCA

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Doughnut design with Point Arena SMR surrounded on two sides by Point Arena SMCA. Eastern boundary touching Point Arena SMR is defined by a depth contour.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat from various boat ramps.

Special Management Areas Adjacent: Offshore of the Point Arena Light House, near Manchester State Beach.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Doughnut designs should be avoided. Boundaries should not be defined using depth contours. Allowed/ disallowed uses should be clearly stated.

MPA Name: Fish Rocks SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** These boundaries are not readily determined and should be at readily determined lines of latitude/ longitude or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible. Anchor Bay Campground private boat launch is located north of this MPA.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives are clearly listed.

Other: No disturbance areas fall under Special Closures. See the CDFG Memo on Special Closures for more information.

Recommendations to help meet feasibility guidelines: See the CDFG Memo on Special Closures for more information on how Special Closures should be created.

MPA Name: Gualala Point Island SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** These boundaries are not readily determined and should be at readily determined lines of latitude/ longitude or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives are clearly listed.

Other: No disturbance areas fall under Special Closures. See the CDFG Memo on Special Closures for more information.

Recommendations to help meet feasibility guidelines: See the CDFG Memo on Special Closures for more information on how Special Closures should be created.

MPA Name: Black Point to Salt Point SMR

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks.

- **Does not meet feasibility criteria:** Eastern boundary not defined. Western boundary defined by a depth contour.

Simplicity of Regulations: Allowed / disallowed uses are not clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: The southern end is adjacent to Salt Point State Park and Gerstle Cove area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Other: Salt Point abalone index site is located within this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable

landmarks are not available. Boundaries should not be defined using depth contours. Allowed/ disallowed uses should be clearly stated.

MPA Name: Black Point to Salt Point SMCA

Boundaries:

- **Meets feasibility criteria:** Northern and southern boundaries are at easily recognizable landmarks. Western Boundary defined by state waters.
- **Does not meet feasibility criteria:** Eastern boundary defined by a depth contour.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: The southern end is adjacent to Salt Point State Park and Gerstle Cove area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Other: Salt Point abalone index site is located within a small portion of this MPA.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Boundaries should not be defined using depth contours. Allowed/ disallowed uses should be clearly stated.

MPA Name: Fort Ross SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** These boundaries are not readily determined and should be at readily determined lines of latitude/ longitude or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible but boating may be difficult in these very nearshore waters.

Special Management Areas Adjacent: Adjacent to Fort Ross State Park.

Goals and Objectives: Goals and objectives are clearly listed.

Other: No disturbance areas fall under Special Closures. See the CDFG Memo on Special Closures for more information. Ocean Cove boat launch is east of this MPA.

Recommendations to help meet feasibility guidelines: See the CDFG Memo on Special Closures for more information on how Special Closures should be created.

MPA Name: Russian River SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** These boundaries are not readily determined and should be at readily determined lines of latitude/ longitude or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to Sonoma Coast State Beach.

Goals and Objectives: Goals and objectives are clearly listed.

Other: No disturbance areas fall under Special Closures. See the CDFG Memo on Special Closures for more information.

Recommendations to help meet feasibility guidelines: See the CDFG Memo on Special Closures for more information on how Special Closures should be created.

MPA Name: Bodega Head SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Salmon Creek is not considered an easily recognizable landmark. Eastern boundary not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Bodega Marine Lab and Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Other: Numerous boat launches nearby in Bodega Bay.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Bodega Head SMCA

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Salmon Creek is not considered an easily recognizable landmark. Eastern boundary not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be

clearly stated.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Offshore of the Bodega Marine Lab and Bodega Marine Life Refuge area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated.

MPA Name: Tomales Bay SMP

Boundaries:

- **Meets feasibility criteria:** Western boundary appears to be at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Eastern boundary does not appear to be at an easily recognizable landmark.

Simplicity of Regulations: Boating regulations are not well defined and potentially inconsistent with desired uses.

Accessibility: Several access points exist around Tomales Bay.

Special Management Areas Adjacent: Located adjacent to Tomales Bay State Park and the Point Reyes National Seashore. Located within the Gulf of the Farallones National Marine Sanctuary and Golden Gate National Recreation Area.

Goals and Objectives: Goals and objectives are not clearly listed.

Other:

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Tomales Bluff/Bird Rocks SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** These boundaries are not readily determined and should be at readily determined lines of latitude/ longitude or at easily recognizable landmarks.

Simplicity of Regulations: Allowed / disallowed uses are not clearly stated.

Accessibility: Accessible by boat. This MPA is a long distance from a boat launch and may not be easily accessed.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallones National Marine Sanctuary and Bird Rock area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Other: No disturbance areas fall under Special Closures. See the CDFG Memo on Special Closures for more information.

Recommendations to help meet feasibility guidelines: See the CDFG Memo on Special Closures for more information on how Special Closures should be created.

MPA Name: Point Reyes Headland SMR

Boundaries:

- **Meets feasibility criteria:** Southern boundary is at a readily determined line of latitude.
- **Does not meet feasibility criteria:** Shoreline boundary not defined. Northern, eastern and western boundaries not at readily determined lines of latitude/longitude.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallones National Marine Sanctuary.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Point Reyes Headland SMCA

Boundaries:

- **Meets feasibility criteria:** Southern boundary defined by state waters.
- **Does not meet feasibility criteria:** Doughnut design with Point Reyes Headland SMR surrounded on three sides by Point Reyes Headland SMCA. Eastern and western boundaries aren't at readily determined lines of longitude. Shoreline boundary not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore and within the Gulf of the Farallones National Marine Sanctuary.

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Allowed/ disallowed uses should be clearly stated.

MPA Name: Drakes Estero SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Boundary between the Pacific Ocean and Drakes Bay needs to be clarified. Shoreline boundary not defined.

Simplicity of Regulations: Should change the name to SMCA in the proposal due to oyster culture.

Accessibility: Accessible.

Special Management Areas Adjacent: Adjacent to the Point Reyes National Seashore

Goals and Objectives: Goals and objectives are clearly listed.

Other: A new MPA would not automatically prohibit existing aquaculture as "take" is prohibited only for public trust resources. Since aquaculture harvests a privatized resource, it is not constrained by MPA regulations. Additionally, existing aquaculture leases may not be removed by MPA designation. The Department recommends using an appropriate designation (e.g., SMCA or SMRMA) and specifically allowing existing aquaculture under a State Lands Commission Lease and Commission Permit to occur.

Recommendations to help meet feasibility guidelines: Designation needs to be changed to SMRMA or SMCA due to oyster culture.

MPA Name: Point San Pedro SMR

Boundaries:

- **Meets feasibility criteria:**
- **Does not meet feasibility criteria:** Doughnut design with Point San Pedro SMR surrounded on two sides by Fitzgerald SMCA 1. These boundaries are not readily determined and should be at readily determined lines of latitude/ longitude or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives are clearly listed.

Other: No disturbance areas fall under Special Closures. See the CDFG Memo on Special Closures for more information.

Recommendations to help meet feasibility guidelines: See the CDFG Memo

on Special Closures for more information on how Special Closures should be created.

MPA Name: Devil's Slide SMR

Boundaries:

- **Meets feasibility criteria:**

- **Does not meet feasibility criteria:** Doughnut design with Devil's Slide SMR within Fitzgerald SMCA 1. These boundaries are not readily determined and should be at readily determined lines of latitude/ longitude or at easily recognizable landmarks.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Not easily accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives are clearly listed.

Other: No disturbance areas fall under Special Closures. See the CDFG Memo on Special Closures for more information.

Recommendations to help meet feasibility guidelines: See the CDFG Memo on Special Closures for more information on how Special Closures should be created.

MPA Name: Fitzgerald SMCA 1

Boundaries:

- **Meets feasibility criteria:** Western boundary at a readily determined line of longitude.

- **Does not meet feasibility criteria:** Northern and southern boundary not at readily determined lines of latitude or at easily recognizable landmarks. Eastern boundary not defined.

Simplicity of Regulations: Commercial and/ or recreational take needs to be clearly stated.

Accessibility: Accessible.

Special Management Areas Adjacent: None adjacent.

Goals and Objectives: Goals and objectives are clearly listed.

Other: MPA names using I and II or A and B decrease public understanding and should be avoided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. Allowed/ disallowed uses should be clearly stated. The name of the MPA should be modified.

MPA Name: Fitzgerald SMR

Boundaries:

- **Meets feasibility criteria:** Western boundary at a readily determined line of longitude. Southern boundary is at an easily recognizable landmark.
- **Does not meet feasibility criteria:** Doughnut design with Fitzgerald SMR surrounded on two sides by Fitzgerald SMCA 1 and Fitzgerald SMCA 2. Northern boundary not at a readily determined line of latitude or at an easily recognizable landmark. Eastern boundary not defined.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible.

Special Management Areas Adjacent: Located adjacent to the Point Montara light station and James A. Fitzgerald Marine area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available.

MPA Name: Fitzgerald SMCA 2

Boundaries:

- **Meets feasibility criteria:** Southern boundary at an easily recognizable landmark. Western boundary defined by state waters. Eastern boundary is at a readily determined line of longitude.
- **Does not meet feasibility criteria:** Northern boundary not at a readily determined line of latitude or at an easily recognizable landmark.

Simplicity of Regulations: Allowed/ disallowed uses are easily understood.

Accessibility: Accessible by boat.

Special Management Areas Adjacent: Located offshore of the Point Montara light station and James A. Fitzgerald Marine area of special biological significance (ASBS).

Goals and Objectives: Goals and objectives are clearly listed.

Other: MPA names using I and II or A and B decrease public understanding and should be avoided.

Recommendations to help meet feasibility guidelines: Boundaries should be placed in a north/ south, east/ west orientation using readily determined lines of latitude/ longitude and/or at easily recognizable landmarks. Readily determined lines of latitude and longitude should be used when easily recognizable landmarks are not available. The name of the MPA should be modified.
