Detailed Description of MPAs
Integrated Preferred Alternative (IPA)
North Central Coast Study Region

MPA: Point Arena State Marine Reserve
Area (sq. mi.): 4.38
Along-shore span (mi): 3.0
Depth range (ft): 0-173

Primary habitat types: rocky intertidal and cliff, subtidal soft substrate, subtidal hard substrate, and kelp

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed:

38° 57.35’ N. lat. 123° 44.50’ W. long.;
38° 59.00’ N. lat. 123° 44.50’ W. long.;
38° 59.00’ N. lat. 123° 46.00’ W. long.;
38° 56.40’ N. lat. 123° 46.00’ W. long.; and
38° 56.40’ N. lat. 123° 43.82’ W. long.

MPA: Point Arena State Marine Conservation Area
Area (sq. mi.): 6.73
Along-shore span (mi): 3.0
Depth range (ft): 153-324

Primary habitat types: subtidal soft substrate and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited EXCEPT the recreational take of salmon by trolling and the commercial take of salmon with troll fishing gear.

Boundaries: This area is bounded by straight lines connecting the following points in the order listed except where noted:
38° 59.00’ N. lat. 123° 46.00’ W. long.;
38° 59.00’ N. lat. 123° 48.16’ W. long.; thence southward along the three nautical mile offshore boundary to
38° 56.40’ N. lat. 123° 48.35’ W. long.;
38° 56.40’ N. lat. 123° 46.00’ W. long.; and
38° 59.00’ N. lat. 123° 46.00’ W. long.

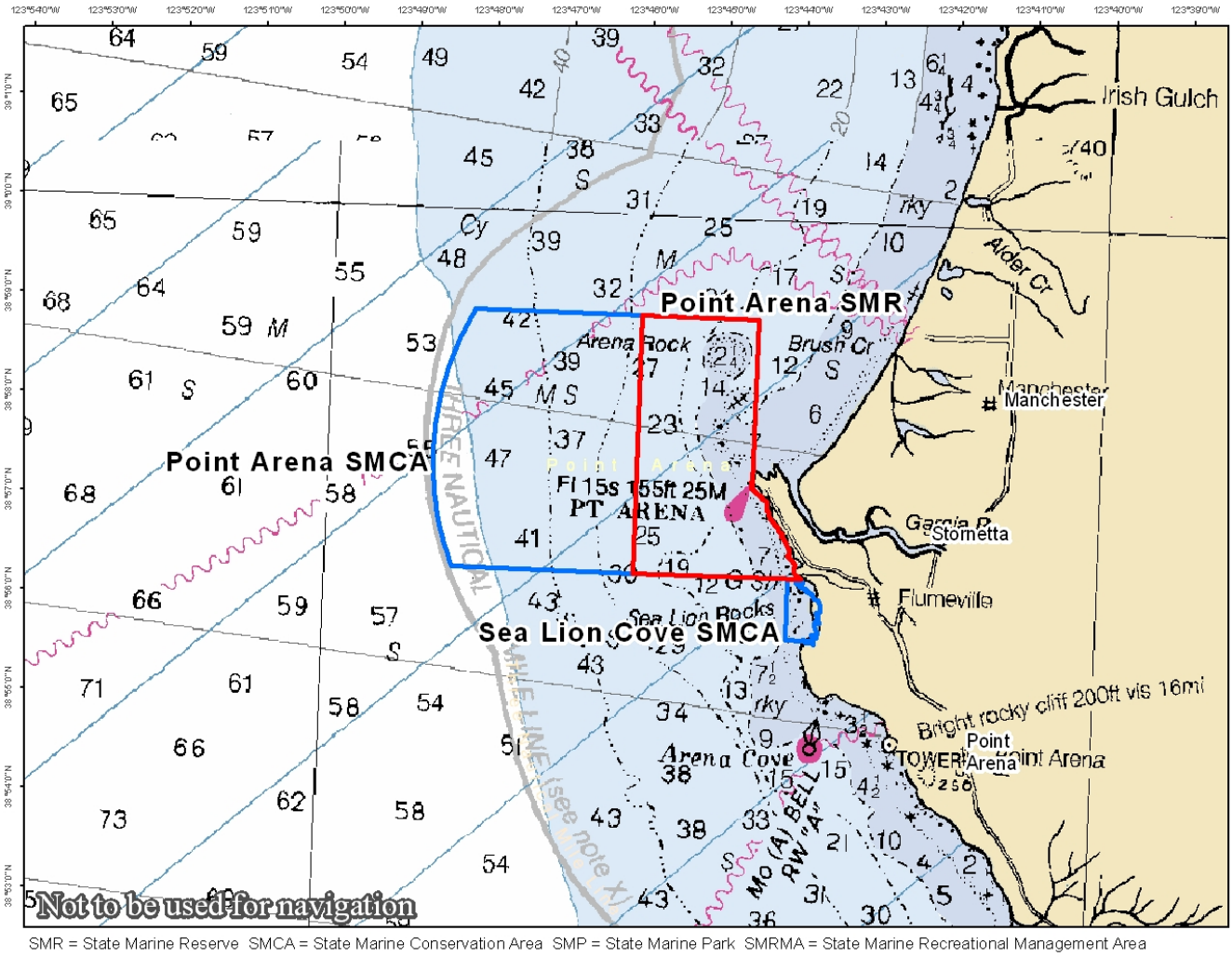
MPA: Sea Lion Cove State Marine Conservation Area
Area (sq. mi.): 0.22
Along-shore span (mi): 0.7
Depth range (ft): 0-39

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, subtidal hard substrate, and kelp

Regulations: The recreational and commercial take of all marine invertebrates and marine aquatic plants is prohibited. Take of all other species is allowed.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed:

38° 56.40’ N. lat. 123° 43.82’ W. long.;
38° 56.40’ N. lat. 123° 44.00’ W. long.;
38° 55.79’ N. lat. 123° 44.00’ W. long.; and
38° 55.79’ N. lat. 123° 43.74’ W. long.



SMR = State Marine Reserve SMCA = State Marine Conservation Area SMP = State Marine Park SMRMA = State Marine Recreational Management Area

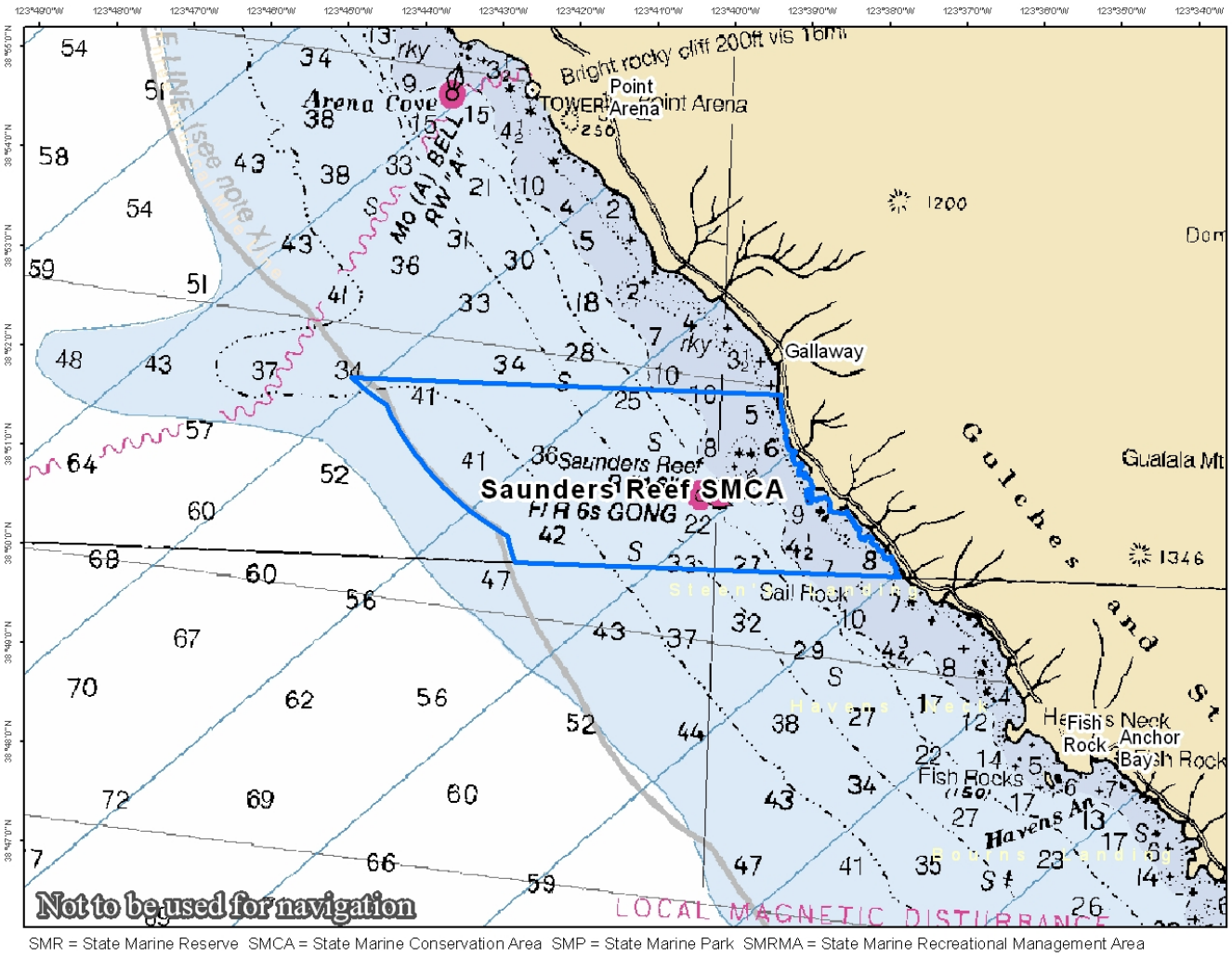
MPA: Saunders Reef State Marine Conservation Area
Area (sq. mi.): 9.35
Along-shore span (mi): 3.0
Depth range (ft): 0-276

Primary habitat types: sandy or gravel beaches, rocky Intertidal and cliff, subtidal soft substrate, subtidal hard substrate, and kelp

Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of salmon by trolling
2. The commercial take of salmon with troll fishing gear, and urchin

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed except where noted:
38° 51.80’ N. lat. 123° 39.23’ W. long.;
38° 51.80’ N. lat. 123° 44.78’ W. long.; thence southward along the three nautical mile offshore boundary to
38° 50.00’ N. lat. 123° 42.58’ W. long.; and
38° 50.00’ N. lat. 123° 37.60’ W. long.



SMR = State Marine Reserve SMCA = State Marine Conservation Area SMP = State Marine Park SMRMA = State Marine Recreational Management Area

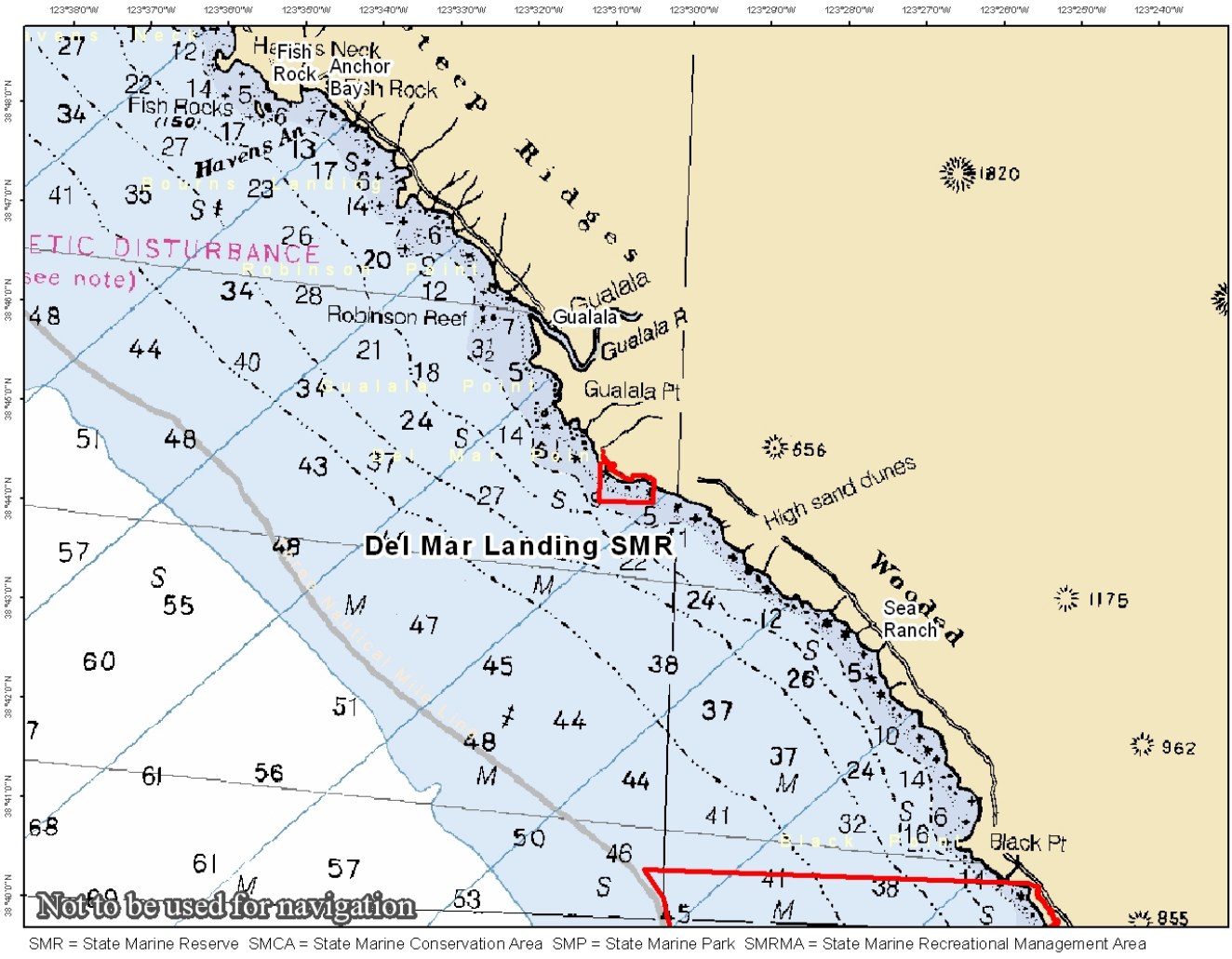
MPA: Del Mar Landing State Marine Reserve
Area (sq. mi.): 0.22
Along-shore span (mi): 0.6
Depth range (ft): 0-87

Primary habitat types: rocky intertidal and cliff, subtidal hard substrate, and kelp

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed:

38° 44.70’ N. lat. 123° 31.00’ W. long.;
38° 44.20’ N. lat. 123° 31.00’ W. long.;
38° 44.20’ N. lat. 123° 30.30’ W. long.; and
38° 44.43’ N. lat. 123° 30.30’ W. long.



SMR = State Marine Reserve SMCA = State Marine Conservation Area SMP = State Marine Park SMRMA = State Marine Recreational Management Area

MPA: Stewarts Point State Marine Reserve
Area (sq. mi.): 25.22
Along-shore span (mi): 7.0
Depth range (ft): 0-294

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, subtidal soft substrate, subtidal hard substrate, and kelp

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed except where noted:

38° 40.50’ N. lat. 123° 25.37’ W. long.;
38° 40.50’ N. lat. 123° 30.24’ W. long.; thence southward along the three nautical mile offshore boundary to
38° 35.60’ N. lat. 123° 26.01’ W. long.; and
38° 35.60’ N. lat. 123° 20.80’ W. long.

MPA: Salt Point State Marine Conservation Area
Area (sq. mi.): 3.12
Along-shore span (mi): 2.4
Depth range (ft): 0-241

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, subtidal soft substrate, subtidal hard substrate, and kelp

Regulations: Take of all living marine resources is prohibited EXCEPT: the recreational take of abalone and finfish.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed:

38° 35.60’ N. lat. 123° 20.80’ W. long.;
38° 35.60’ N. lat. 123° 21.00’ W. long.;
38° 33.00’ N. lat. 123° 21.00’ W. long.; and
38° 33.00’ N. lat. 123° 18.33’ W. long.

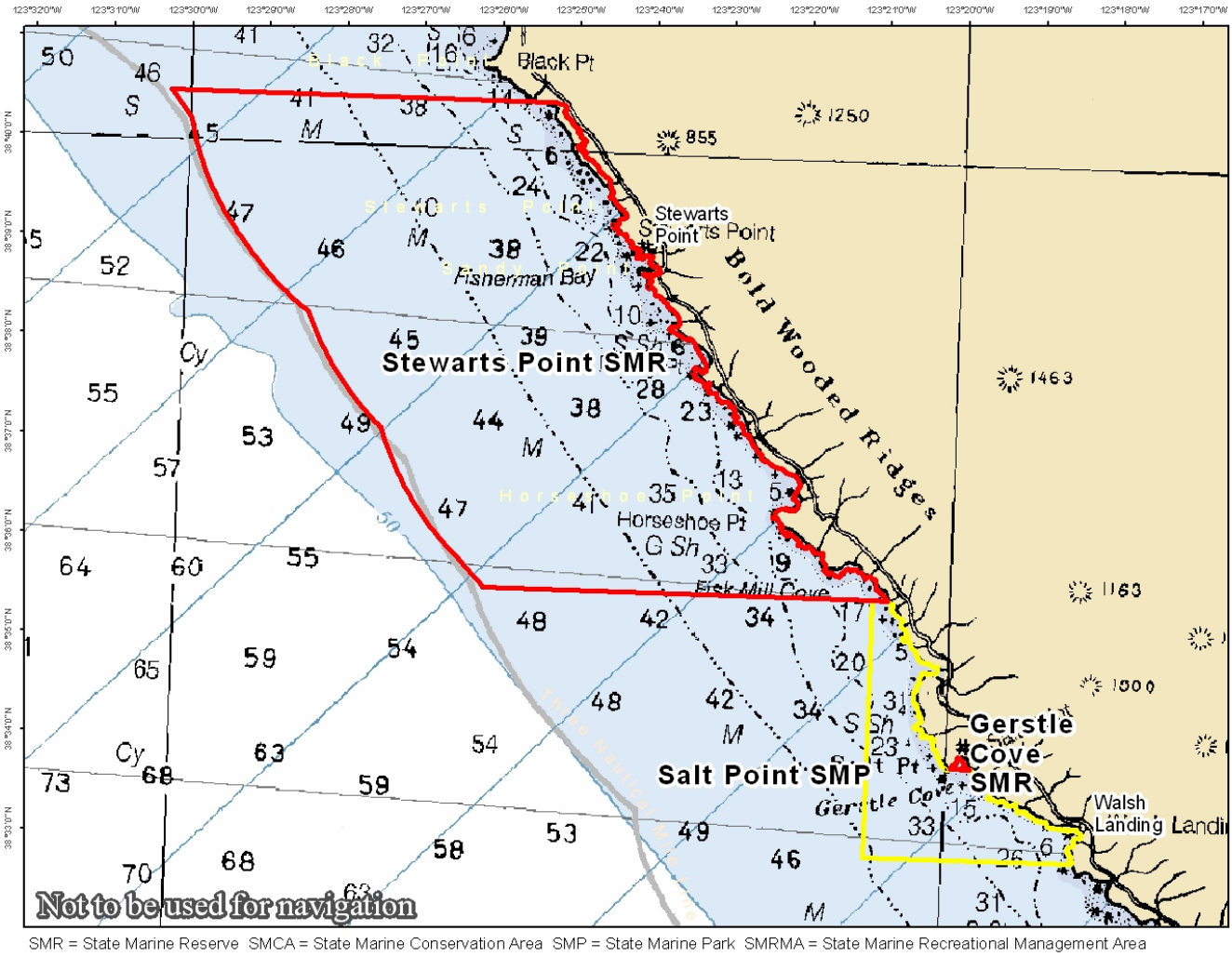
MPA: Gerstle Cove State Marine Reserve
Area (sq. mi.): 0.1
Along-shore span (mi): 0.2
Depth range (ft): 0-10

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area lies within the Salt Point State Marine Conservation Area and is bounded by the mean high tide line and a straight line connecting the following points:

38° 33.93' N. lat. 123° 19.85' W. long.; and
38° 33.93' N. lat. 123° 19.65' W. long.



SMR = State Marine Reserve SMCA = State Marine Conservation Area SMP = State Marine Park SMRMA = State Marine Recreational Management Area

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MPA: Russian River State Marine Recreational Management Area
Area (sq. mi.): 0.35
Along-shore span (mi): 1.8
Depth range (ft): 0-10

Primary habitat types: sandy or gravel beaches, coastal marsh, estuary, and subtidal soft substrate

Regulations: Take of all living marine resources is prohibited except recreational hunting of waterfowl is allowed unless otherwise restricted by hunting regulations (sections 502, 550, 551, and 552).

Boundaries: This area includes the waters below the mean high tide line eastward of the mouth of the Russian River Estuary defined as a line connecting the following two points:

38° 27.16' N. lat. 123° 07.91' W. long.; and
38° 27.01' N. lat. 123° 07.74’ W. long.
And westward of the US 101 Bridge.

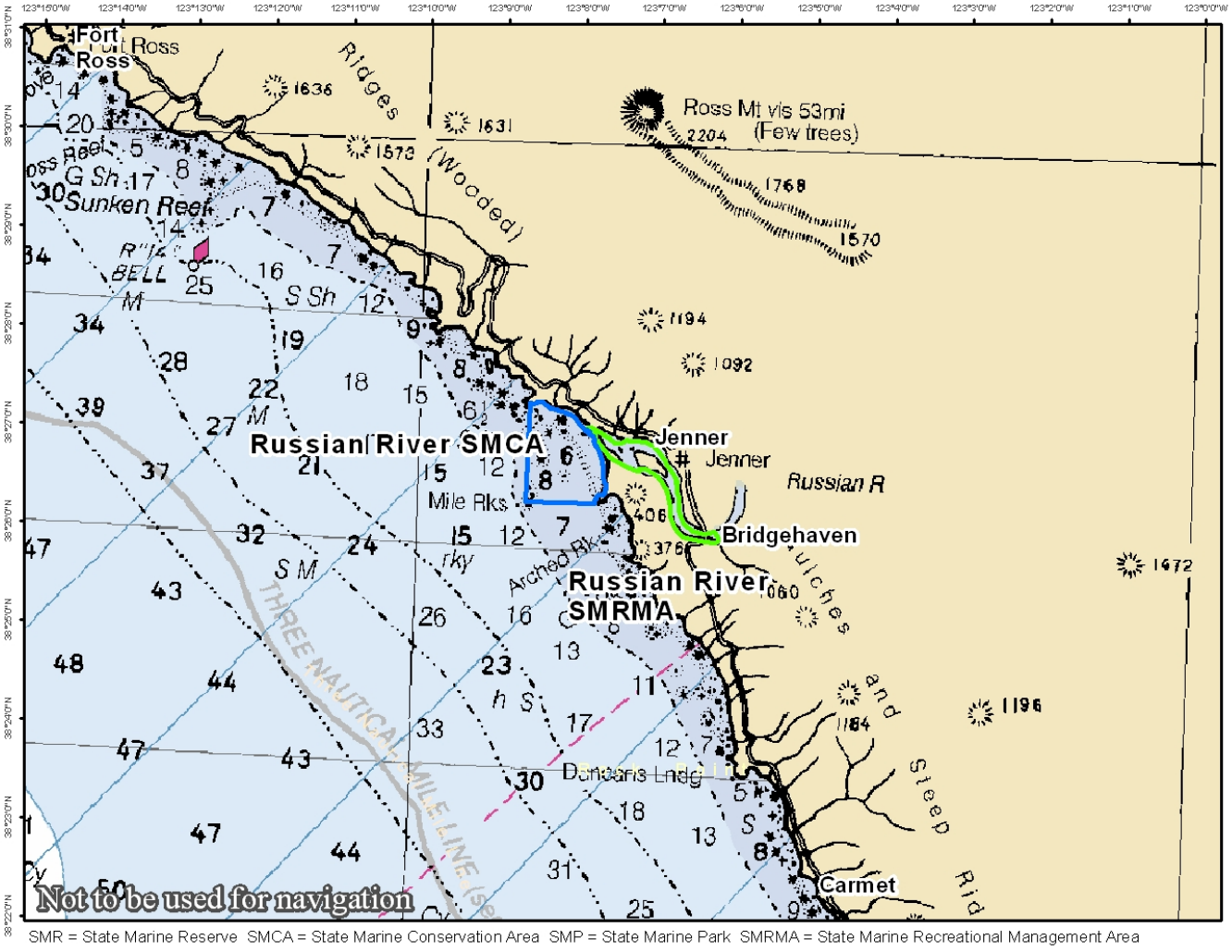
MPA: Russian River State Marine Conservation Area
Area (sq. mi.): 0.86
Along-shore span (mi): 1.0
Depth range (ft): 0-57

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited EXCEPT :

1. The recreational take of Dungeness crab by trap, and surf smelt by hand-held dip nets or beach nets.
2. The commercial take of Dungeness crab by trap.

Boundaries: This area is bounded by the mean high tide line, the mouth of the Russian River estuary as defined in subsection 632(b)(14)(A), and straight lines connecting the following points in the order listed:
38° 27.38' N. lat. 123° 08.58' W. long.;
38° 26.38' N. lat. 123° 08.58' W. long.; and
38° 26.38' N. lat. 123° 07.70' W. long.



MPA: Bodega Head State Marine Reserve
Area (sq. mi.): 9.30
Along-shore span (mi): 2.5
Depth range (ft): 0-266

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, surfgrass, subtidal soft substrate, and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed except where noted:
38° 20.10' N. lat. 123° 04.04' W. long.;
38° 20.10' N. lat. 123° 08.38' W. long.; thence southward along the three nautical mile offshore boundary to
38° 18.00' N. lat. 123° 08.08' W. long.; and
38° 18.00' N. lat. 123° 03.64' W. long.

MPA: Bodega Head State Marine Conservation Area
Area (sq. mi.): 12.34
Along-shore span (mi): 3.8
Depth range (ft): 0-267

Primary habitat types: rocky intertidal and cliff, surfgrass, subtidal soft substrate, and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of pelagic finfish by trolling, Dungeness crab by trap and market squid by hand-held dip net.
2. The commercial take of pelagic finfish with troll fishing gear or seine, Dungeness crab by trap, and market squid by round haul net.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed except where noted:
38° 18.00' N. lat. 123° 03.64' W. long.;
38° 18.00' N. lat. 123° 08.08' W. long.; thence southward along the three nautical mile offshore boundary to
38° 13.34' N. lat. 123° 03.51' W. long.; and
38° 17.93' N. lat. 123° 03.51' W. long.

MPA: Estero Americano State Marine Recreational Managed Area
Area (sq. mi.): 0.15
Along-shore span (mi): 1.2
Depth range (ft): 0-10

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, coastal marsh, eelgrass, estuary and subtidal soft substrate

Regulations: Take of all living marine resources is prohibited EXCEPT: the recreational hunting of waterfowl is allowed unless otherwise restricted by hunting regulations (sections 502, 550, 551, and 552).

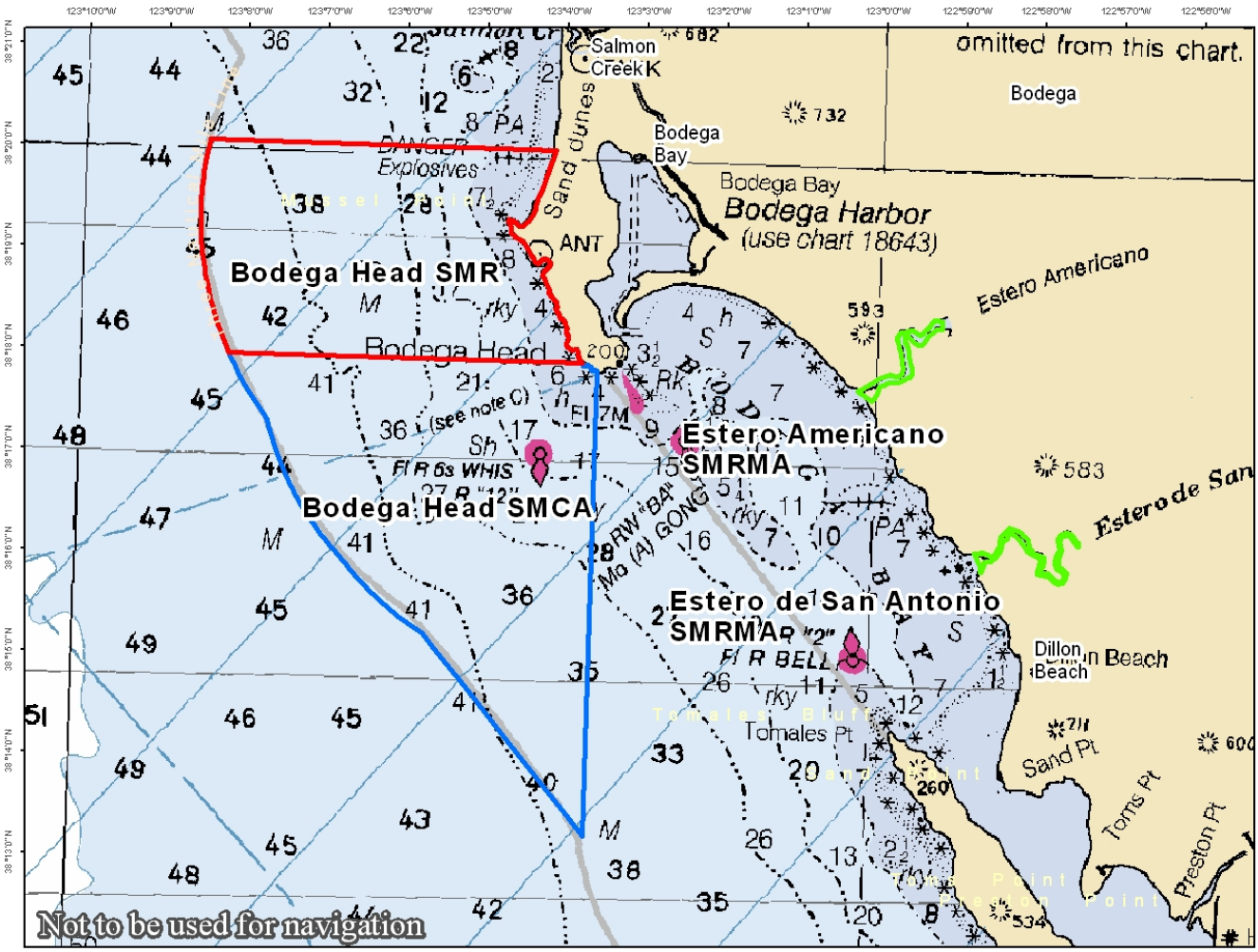
Boundaries: This area includes the waters below the mean high tide line within Estero Americano westward of longitude 122° 59.25' W.

MPA: Estero de San Antonio State Marine Recreational Managed Area
Area (sq. mi.): 0.09
Along-shore span (mi): 1.0
Depth range (ft): 0-10

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, coastal marsh, tidal flats, estuary, and subtidal soft substrate

Regulations: Take of all living marine resources is prohibited EXCEPT: the recreational hunting of waterfowl is allowed unless otherwise restricted by hunting regulations (sections 502, 550, 551, and 552).

Boundaries: This area includes the waters below the mean high tide line within Estero de San Antonio westward of longitude 122° 58.75' W.



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MPA: Point Reyes State Marine Reserve
Area (sq. mi.): 9.38
Along-shore span (mi): 7.5
Depth range (ft): 0-132

Primary habitat types: sandy or gravel beaches, rocky intertidal and cliff, tidal flats, surfgrass, eelgrass, subtidal soft substrate, subtidal hard substrate, and kelp

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area is bounded by the mean high tide line straight lines connecting the following points in the order listed:
37° 59.90' N. lat. 123° 01.29’ W. long.;
37° 59.90' N. lat. 123° 02.00' W. long.;
37° 59.00' N. lat. 123° 02.00' W. long.;
37° 58.98’ N. lat. 123° 02.00' W. long.; and
37° 58.98’ N. lat. 122° 57.34' W. long.;

MPA: Point Reyes State Marine Conservation Area
Area (sq. mi.): 12.11
Along-shore span (mi): 4.2
Depth range (ft): 51-217

Primary habitat types: subtidal soft substrate and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited, EXCEPT:

1. The recreational take of salmon by trolling, and Dungeness crab by trap.
2. The commercial take of salmon with trolling gear, and Dungeness crab by trap.

Boundaries: This area is bounded by straight lines connecting the following points in the order listed except where noted:
37° 59.00' N. lat. 123° 02.00' W. long.;
37° 56.71’ N. lat. 123° 02.00' W. long.; thence eastward along the three nautical mile offshore boundary to
37° 56.36’ N. lat. 122° 57.34' W. long.;
37° 58.98’ N. lat. 122° 57.34' W. long.; and
37° 58.98’ N. lat. 123° 02.00' W. long.

MPA: Estero de Limantour State Marine Reserve
Area (sq. mi.): 1.49
Along-shore span (mi): 5.3
Depth range (ft): 0-10

Primary habitat types: sandy or gravel beaches, rocky Intertidal and cliff, coastal marsh, tidal flats, eelgrass, estuary, and subtidal soft substrate

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area consists of waters below the mean high tide line within Estero de Limantour, and Drakes Estero southward of a line connecting the following two points:

38° 02.66' N. lat. 122° 56.89’ W. long.; and
38° 02.66’ N. lat. 122° 56.15’ W. long.

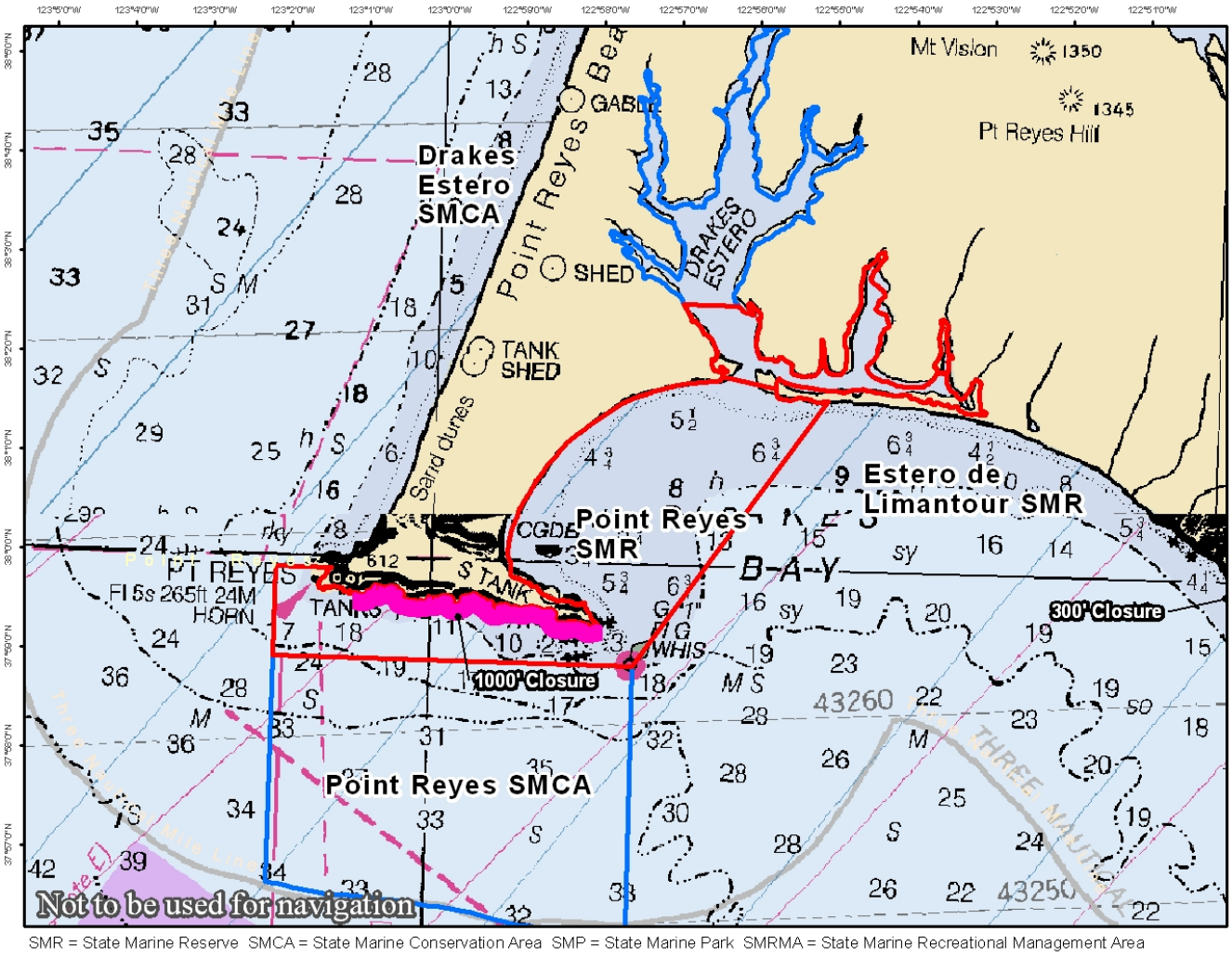
MPA: Drakes Estero State Marine Conservation Area
Area (sq. mi.): 2.55
Along-shore span (mi): 5.6
Depth range (ft): 0-10

Primary habitat types: sandy or gravel beaches, rocky Intertidal and cliff, coastal marsh, tidal flats, eelgrass, estuary, and subtidal soft substrate

Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of clams.
2. The commercial aquaculture of shellfish pursuant to a valid State Water Bottom Lease and permit.

Boundaries: This area includes the waters below the mean high tide line within Drakes Estero northward of a line connecting the following two points:
38° 02.66' N. lat. 122° 56.89’ W. long.; and
38° 02.66’ N. lat. 122° 56.15’ W. long.



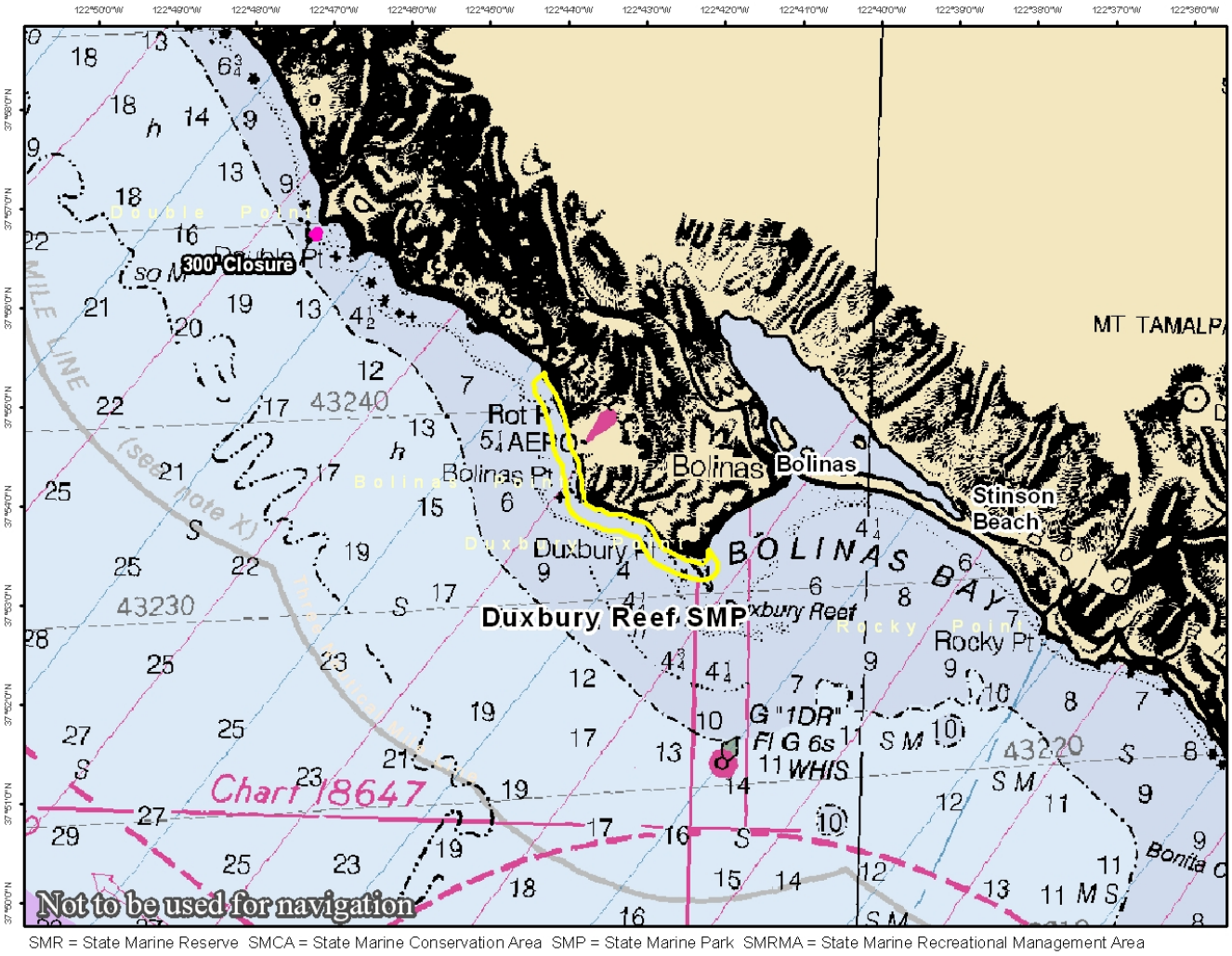
MPA: Duxbury Reef State Marine Conservation Area
Area (sq. mi.): 0.66
Along-shore span (mi): 3.0
Depth range (ft): 0-10

Primary habitat types: sandy or gravel beaches, rocky Intertidal and cliff, and surfgrass

Regulations: Take of all living marine resources is prohibited EXCEPT: the recreational take of finfish from shore only, and the recreational take of abalone.

Boundaries: This area is bounded by the mean high tide line, a distance of 1000 feet seaward of mean lower low water, and the following points:

37° 55.52' N. lat. 122° 44.17' W. long.;
37° 55.42' N. lat. 122° 44.31' W. long.;
37° 53.65' N. lat. 122° 41.91' W. long.; and
37° 53.77' N. lat. 122° 42.02' W. long.



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MPA: Montara State Marine Reserve
Area (sq. mi.): 11.76
Along-shore span (mi): 3.1
Depth range (ft): 0-168

Primary habitat types: sandy or gravel beaches, rocky Intertidal and cliff, surfgrass, subtidal soft substrate, subtidal hard substrate, and kelp

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed except where noted:
37° 32.70' N. lat. 122° 31.00’ W. long.;
37° 32.70' N. lat. 122° 34.91’ W. long.; thence southward along the three nautical mile offshore boundary to
37° 30.00' N. lat. 122° 34.61’ W. long.; and
37° 30.00' N. lat. 122° 29.93’ W. long.

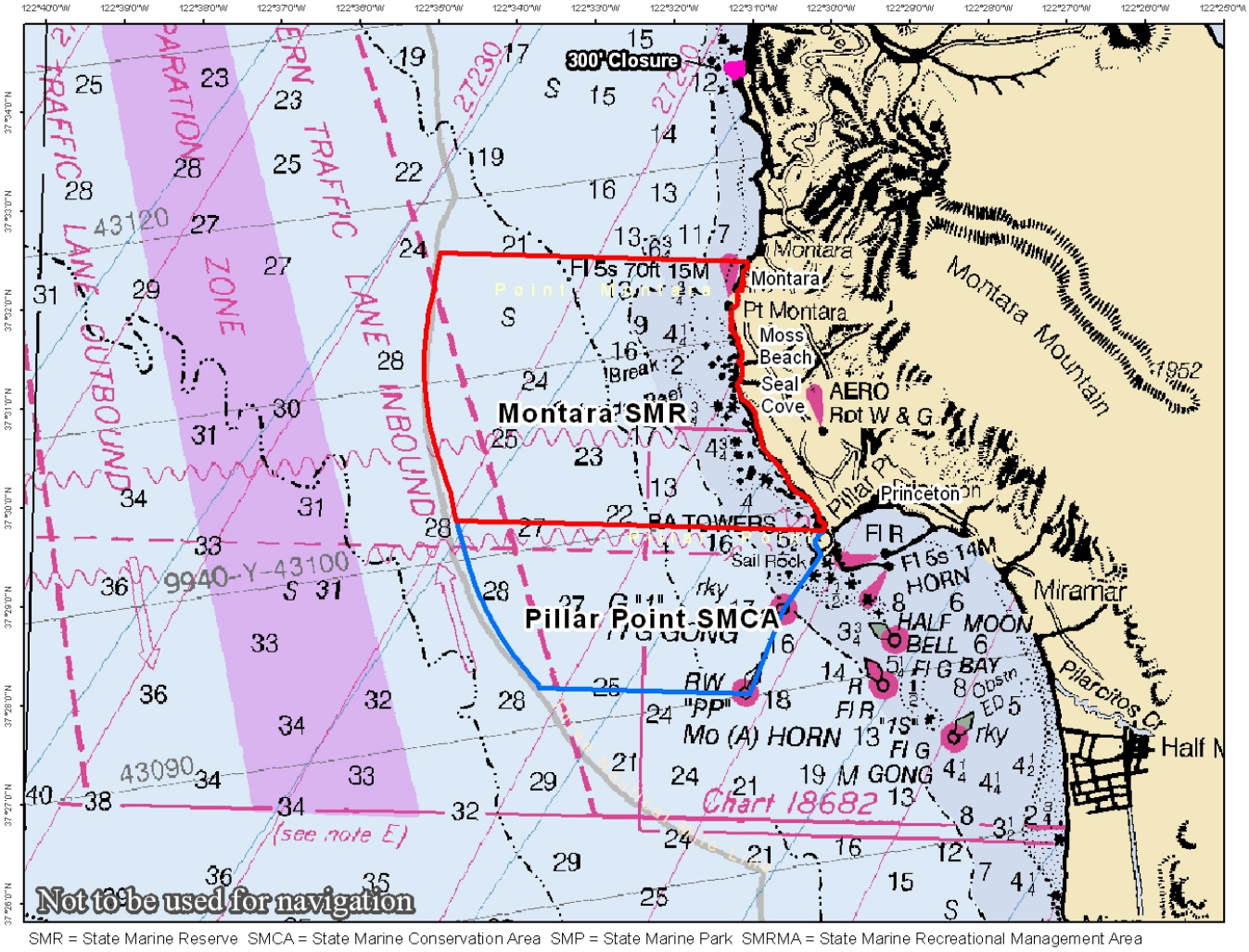
MPA: Pillar Point State Marine Conservation Area
Area (sq. mi.): 6.66
Along-shore span (mi): 1.9
Depth range (ft): 0-174

Primary habitat types: sandy or gravel beaches, rocky Intertidal and cliff, surfgrass, subtidal soft substrate, and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of pelagic finfish by trolling, Dungeness crab by trap and squid by hand-held dip net.
2. The commercial take of pelagic finfish with troll fishing gear or seine, Dungeness crab by trap and market squid by round haul net.

Boundaries: This area is bounded by the mean high tide line and straight lines connecting the following points in the order listed except where noted:
37° 30.00' N. lat. 122° 29.93’ W. long.;
37° 30.00' N. lat. 122° 34.61’ W. long.; thence southward along the three nautical mile offshore boundary to
37° 28.33' N. lat. 122° 33.47’ W. long.;
37° 28.33’ N lat. 122° 30.83’ W. long.;
37° 29.18’ N lat. 122° 30.36’ W. long.; and
37° 29.74’ N lat. 122° 29.97’ W, long.



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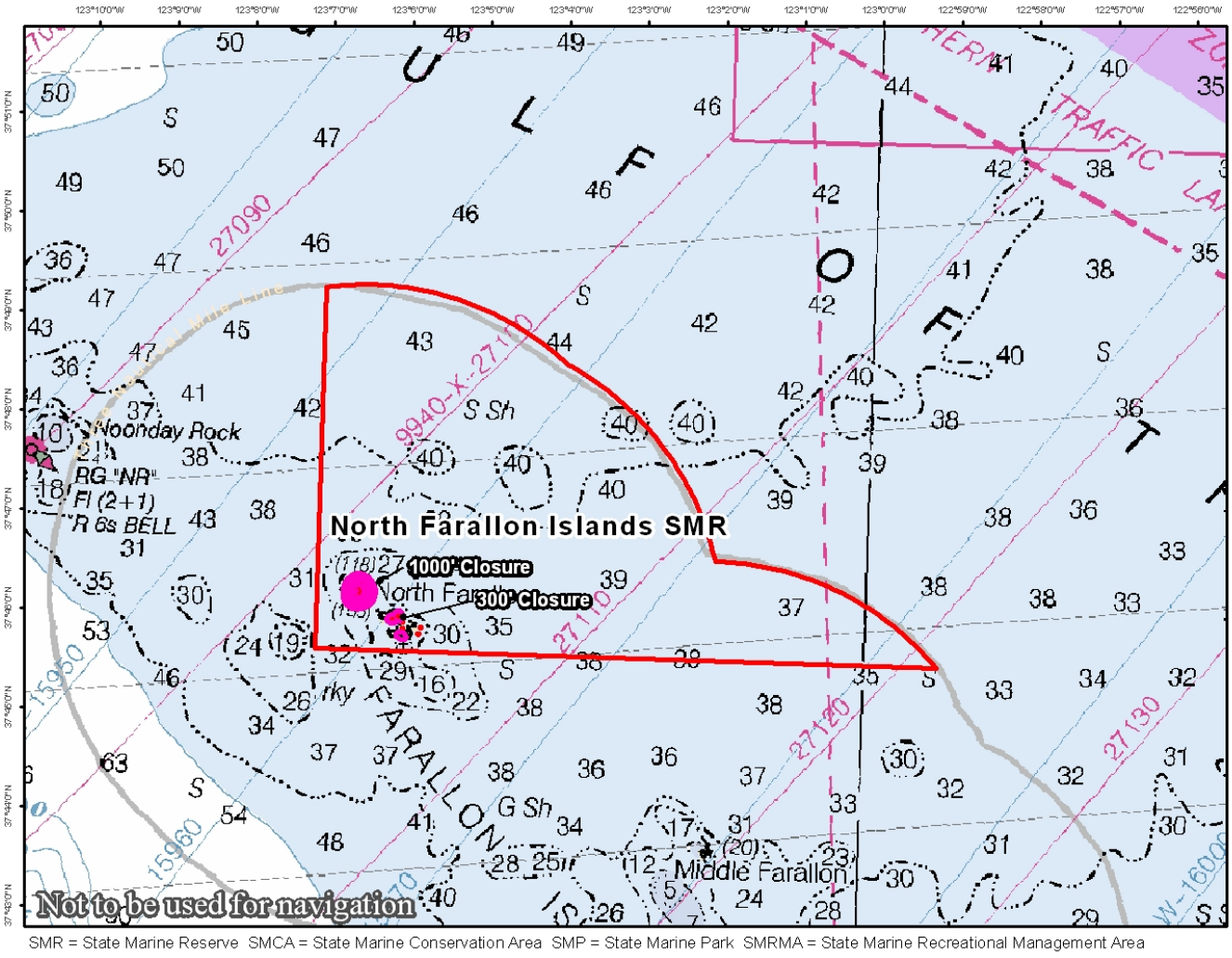
MPA: North Farallon Islands State Marine Reserve
Area (sq. mi.): 18.09
Along-shore span (mi): N/A
Depth range (ft): 0-275

Primary habitat types: rocky Intertidal and cliff, subtidal soft substrate, and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited.

Boundaries: This area is bounded by straight lines connecting the following points in the order listed except where noted:
37° 45.70' N. lat. 122° 59.08’ W. long.; thence northwestward along the three nautical mile offshore boundary to
37° 49.34’ N. lat. 123° 7.00' W. long.;
37° 45.70' N. lat. 123° 7.00' W. long.; and
37° 45.70' N. lat. 122° 59.08’ W. long.



MPA: Southeast Farallon Island State Marine Reserve
Area (sq. mi.): 5.34
Along-shore span (mi): N/A
Depth range (ft): 0-238

Primary habitat types: sandy or gravel beaches, rocky Intertidal and cliff, surfgrass, subtidal soft substrate, and subtidal hard substrate

Regulations: Take of all living marine resources is prohibited.

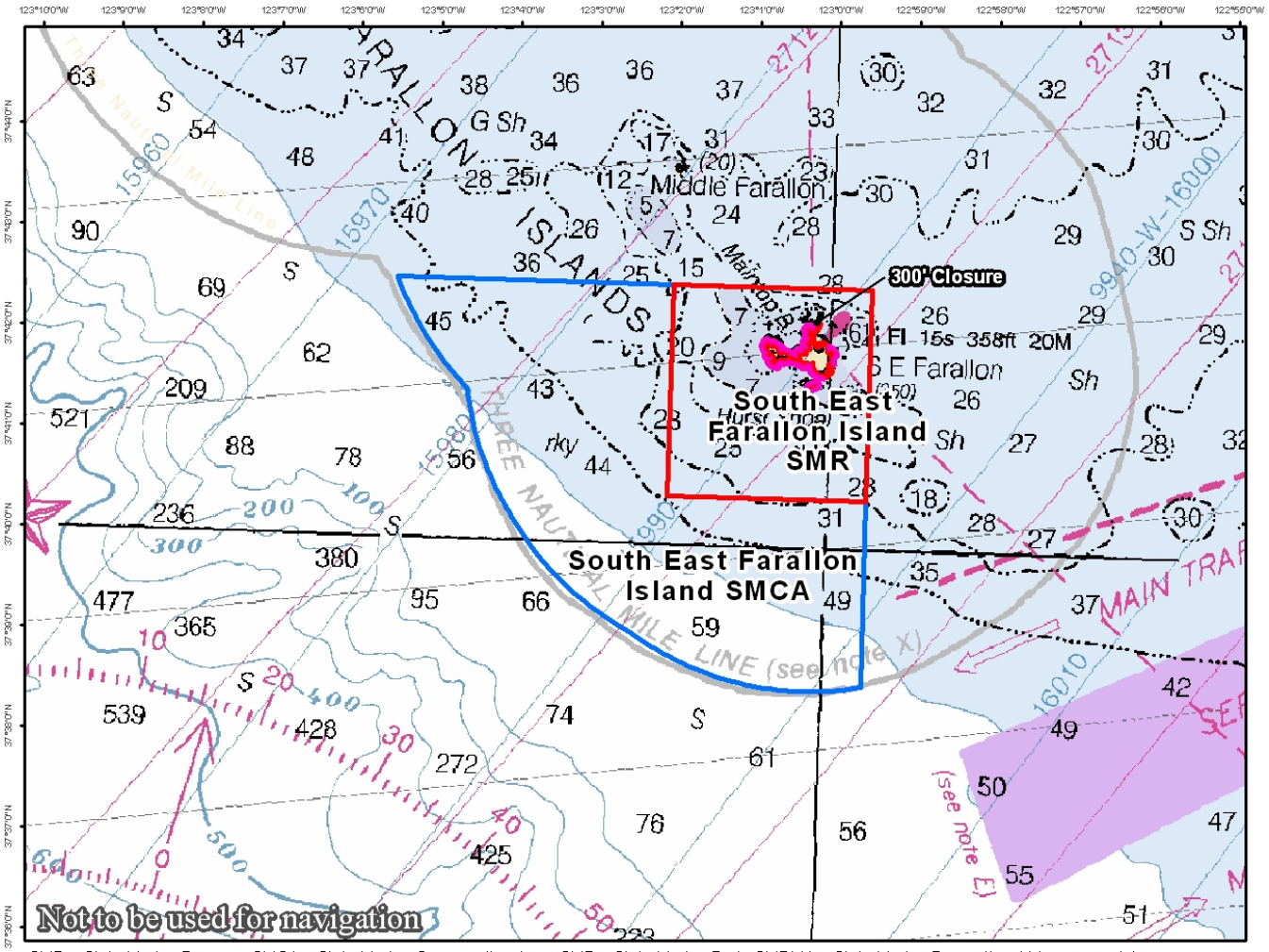
Boundaries: This area is bounded by straight lines connecting the following points in the order listed:
37° 42.60' N. lat. 122° 59.50' W. long.;
37° 42.60' N. lat. 123° 02.00' W. long.;
37° 40.50' N. lat. 123° 02.00' W. long.;
37° 40.50' N. lat. 122° 59.50' W. long.; and
37° 42.60' N. lat. 122° 59.50' W. long.

MPA: Southeast Farallon Island State Marine Conservation Area
Area (sq. mi.): 12.95
Along-shore span (mi): N/A
Depth range (ft): 130-382

Primary habitat types: subtidal soft substrate

Regulations: Take of all living marine resources is prohibited EXCEPT: the recreational take of salmon by trolling and the commercial take of salmon with troll fishing gear

Boundaries: This area is bounded by straight lines connecting the following points in the order listed except where noted:
37° 42.60' N. lat. 123° 02.00' W. long.;
37° 42.60' N. lat. 123° 05.46’ W. long.; thence southeastward along the three nautical mile offshore boundary to
37° 38.66’ N. lat. 122° 59.50' W. long;
37° 40.50' N. lat. 122° 59.50' W. long;
37° 40.50' N. lat. 123° 02.00' W. long.; and
37° 42.60' N. lat. 123° 02.00' W. long.



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Individual MPA Objectives
Integrated Preferred Alternative (IPA)
North Central Coast Study Region

In the following document, Goals (G) and Objectives (O) refer to "Regional goals, objectives, and design and implementation considerations for the north central coast regional component of a statewide MPA network."

Point Arena SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:

- Protect diverse species, unique and complex habitats (pinnacles, wash rocks, caverns, clefts, honeycomb formation, undercut & vertical rock walls, cobbles, deep sand, kelp), in an area of persistent upwelling.
- Restore declining yelloweye, canary & china rockfish populations. (G2-O1, G2-O2)
- Leave fishing open for the harbor, popular fishing and diving spots north & south of harbor, most of Manchester Beach crab grounds, shore fishing on Manchester, extensive salmon fishing areas & cultural uses near Garcia River mouth & Manchester Beach. (G3-O1)
- Improve fish productivity in SMR to benefit local rockfish fishing outside. (G3-O2)
- Provide an iconic place with MPA designation. (G3-O3)

Point Arena SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT the recreational take of salmon by trolling and the commercial take of salmon with troll fishing gear

Specific Objectives:

- Extend protection to state boundary to encompass deeper habitat & associated species in regional center of high productivity (see above). (G1-O2, G1-O3, G2-O1 and G2-O2)
- Protect nearshore reef species & habitats on which they depend while allowing commercial and/or recreational harvest of migratory, highly mobile, or other species where appropriate through the use of SMCA. (G2-O4, G5-O1)

Sea Lion Cove SMCA

Proposed Regulations: The recreational and commercial take of all marine invertebrates and marine aquatic plants is prohibited. Take of all other species is allowed

Specific Objectives:

- Contribute to the protection of vulnerable abalone populations and intertidal ecosystem.
- Create opportunities for education and enjoyment related to intertidal areas and invertebrate communities in an unusually scenic spot.

Saunders Reef SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT:
1. The recreational take of salmon by trolling
2. The commercial take of salmon with troll fishing gear, and urchin

Specific Objectives:
- Protect complex and highly productive rocky reef and kelp habitat including part of an extensive stand of bull kelp, and associated species, including nearshore finfish and multiple abalone species.
- Protect deeper sand and rock habitat in a regional center of high productivity.

Del Mar Landing SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:
- Protect community of marine species and their habitat.
- Provide greater ecosystem protection at an existing MPA originally established as an "ecological reserve."

Stewarts Point SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:
- Provide the highest protection to complex rocky habitat and kelp (including coves, wash rocks, shelves, walls, cobble and boulders), dependent communities and ecosystem functions within a preferred-size SMR.
- Include area with a relatively steep depth gradient.
- Provide opportunity for continuous land-sea protection and management of scenic area for natural heritage purposes by portion sited adjacent to Salt Point State Park.

Salt Point SMCA[1]

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT the recreational abalone and finfish

Specific Objectives:
- Enhance recreational experience via proximity to Stewarts Point and Gerstle Cove SMRs.

Gerstle Cove SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:

- Protect intertidal habitat in an existing MPA that appears to be working for resident species, including abalone.
- Enhance biodiversity protection from existing MPA via proximity to Rocky Pt -Horseshoe Pt. SMR. (G1-O1)
- Preserve traditional site for educational and non-consumptive recreation; This SMR is a heritage site. (G3-O2)

Russian River SMRMA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT recreational hunting of waterfowl is allowed unless otherwise restricted by hunting regulations (sections 502, 550, 551 and 552)

Specific Objectives:

- Protect nursery ground habitat.
- Protect communities associated with areas of diverse estuarine habitats including open channels, mud flats, eel grass beds, etc.
- Protect estuary, steelhead, Russian River Chinook & Coho salmon, birds, mammals etc.
- Protect salmonid species subject to increased fishing impacts when estuary mouth is closed and fish are unable to transit into the ocean.

Russian River SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of Dungeness crab by trap, and surf smelt by hand-held dip net or beach net
2. The commercial take of Dungeness crab by trap

Specific Objectives:

- Protect Russian River Chinook and Coho salmon (Evolutionary Significant Units), at localized estuarine collection point.

Bodega Head SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:

- Protect area of high benthic species diversity & maintain species diversity & abundance characteristic of north central coast region north of Point Reyes. (G1-O1)
- Monitor appropriate indicator species with focus on Nearshore & Deeper Nearshore Fishery Management Plan species. (G1-O5)
- Protect natural trophic structure & food webs, including prey for other fish, marine birds & marine mammals.

- Provide protection to area that contains one of most persistent & important upwelling plumes along entire California Coast & provides for significant down stream larval dispersal. (G1-O5)
- Help restore depleted species, such as near shore & deeper nearshore species. (G2-O1)
- Protect larval sources & enhance reproductive capacity of shelf species including rockfishes. (G2-O2)
- Protect area with diverse habitats & associated species including kelp forest ecosystems.
- Protect natural heritage location while minimizing socioeconomic impacts to local communities. (G5-O1)
- Protect forage base for colonies of marine mammals & sea birds as well as protect colonies from disturbance.
- Provide comparison analysis environment by providing SMR adjacent to SMCA across range of depths & fully accessible area within single reef complex in close proximity to Bodega Bay Marine Lab. (G1-O2, G3-O1)

Bodega Head SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of pelagic finfish by trolling, Dungeness crab by trap, and market squid by hand-held dip net
2. The commercial take of pelagic finfish with troll fishing gear or round haul net, Dungeness crab by trap, and market squid by round haul dip net

Specific Objectives:

- Minimize effect of fishing on area of high benthic species diversity characteristic of north central coast region north of Point Reyes while allowing specific recreational and commercial harvest. (G5-O1)
- Protect natural trophic structure & food webs, including prey for other fish, marine birds & marine mammals.
- Help restore depleted species, such as near shore and deeper nearshore species. (G2-O1)
- Protect larval sources & enhance reproductive capacity of shelf species including rockfishes. (G2-O2)
- Protect area with diverse habitats and associated species including kelp forest ecosystems.
- Protect natural heritage location while minimizing socioeconomic impacts to local communities. (G5-O1)
- Provide comparison analysis environment by providing SMCA adjacent to SMR across a range of depths and fully accessible area within single reef complex in close proximity of Bodega Bay Marine Lab. (G1-O2, G3-O1, G3-O3)
- Protect one of rare hard bottom reef complexes in NCCSR that extend from shore seaward to state water boundary.

Estero Americano SMRMA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT the recreational hunting of waterfowl is allowed unless otherwise restricted by hunting regulations (502, 550, 551, and 552)

Specific Objectives:

- Protect species diversity and abundance, trophic structure & food webs, natural age structure & genetic diversity in representative habitats. (G1-O1, G1-O3, G1-O4)
- Sustain or increase reproduction of species by protecting & retaining large individuals & protecting breeding, foraging, rearing & nursery areas. (G2-O2, G2-O3)
- Enhance scientific validity with similar habitat replicated in close proximity. (G3-O3)

Estero de San Anotonio SMRMA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT the recreational hunting of waterfowl is allowed unless otherwise restricted by hunting regulations (502, 550, 551, and 552)

Specific Objectives:

- Protect species diversity & abundance, trophic structure and food webs, natural age structure & genetic diversity in representative habitats. (G1-O1, G1-O3, G1-O4)
- Sustain or increase reproduction of species by protecting & retaining large individuals & protecting breeding, foraging, rearing & nursery areas. (G2-O2, G2-O3)
- Enhance scientific validity with similar habitat replicated in close proximity. (G3-O3)

Point Reyes SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:

- Protect diverse fish, seabird & marine mammals associated with multiple habitats including exposed high energy rocky shoreline, sand & gravel beaches, offshore islets, surf grass, soft & hard substrates set against oceanic features of major headlands at receiving end of coastal upwelling system of global significance.
- Protect natural tropic & natural ecosystem structure & function with minimal human-induced changes. (G1-O4, G1-O5)
- Protect larval retention zone of regional import for many fish & invertebrate species. (G2-O2)
- Reduce disturbances to major mainland seabird colonies & elephant seal rookeries within study region. (G2-O3)
- Preserve an iconic place. (G3-O1)
- Include areas with diverse habitat types within one MPA cluster. (G1-O2)

Point Reyes SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of salmon by trolling, and Dungeness crab by trap
2. The commercial take of salmon with troll fishing gear, and Dungeness crab by trap

Specific Objectives:

- Extend protection offshore to state boundary for diverse fish, seabird & marine mammal species in deeper hard & soft bottom. (G1-O2, G3-O1, G5-O3)
- Protect near shore reef species & habitats on which they depend while allowing commercial and/or recreational harvest of migratory, highly mobile, or other species where appropriate through use of SMCA. (G2-O4)
- Help protect diversity of species, including fish & mammals.
- Cover diversity of bottom habitats & oceanographic/wind conditions.

Estero de Limantour SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:

- Expands on long-term protections for complex estuarine habitats & dependent species, including eelgrass beds & mudflat ecosystems. (G1-O1, G1-O4, G1-O5, G2-O3, G4-O1)
- Provide connectivity between tributaries & tidal marshes & diverse near-shore habitats with contiguous Point Reyes SMR. (G1-O5, G2-O3, G4-O1)
- Protect significant nursery area for Dungeness crab, & numerous rockfish & flatfish species. (G2-O3)
- Protect essential habitat for Black Brandt geese & a key foraging area for shorebirds, coastal waterfowl & brown pelicans. (G2-O3)
- In designated federal wilderness area. (G1-O1, G3-O2)
- Support current NPS coho salmon & steelhead trout migration habitat restoration projects on multiple tributaries. (G2-O1)
- Protect major harbor seal pupping & haul-out sites. (G2-O3)

Drakes Estero SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT:
1. The recreational take of clams
2. The commercial aquaculture of shellfish pursuant to a valid Sate Water Bottom Lease and permit

Specific Objectives:
- Protects estuarine habitats while allowing existing aquaculture activities as well as recreational clamming to continue.

Duxbury SMCA[1]

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT the recreational finfish from shore only and the recreational take of abalone

Specific Objectives:
- Protect species while allowing traditional recreational access. (G2-O4)
- Protect an area of important marine natural heritage.

Montara SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:
- Protect area of high benthic species diversity & maintain species diversity & abundance characteristic of north central coast region north of Point Reyes. (G1-O1)
- Monitor appropriate indicator species with focus on Nearshore and Deeper Nearshore Fishery Management Plan species. (G1-O5)
- Protect natural trophic structure & food webs, including species that serve as prey for other fish, marine birds & marine mammals. (G1-O4)
- Enhance non-consumptive recreational & educational experiences by protecting intertidal ecosystems by reducing congestion & increasing size & abundance of species most likely to benefit from MPAs. (G3-O2)
- Help restore depleted species, such as near shore & deeper nearshore species. (G2-O1)
- Protect larval sources & enhance reproductive capacity of shelf species including rockfishes. (G2-O2)
- Protect area with diverse habitats and associated species including kelp forest ecosystems. (G1-O2)
- Protect natural heritage location while minimizing socioeconomic impacts to local communities. (G5-O1)
- Protect forage base for colonies of marine mammals as well as protect colonies from disturbance. (G1-O5)
- Provide comparison analysis environment by providing SMR adjacent to SMCA across range of depths.

Pillar Point SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT:

1. The recreational take of pelagic finfish by trolling, Dungeness crab by trap and squid by hand-held dip net
2. The commercial take of pelagic finfish with troll fishing gear or round haul net, Dungeness crab by trap and market squid by round haul net

Specific Objectives:

- Enhance non-consumptive recreational & educational experiences by protecting intertidal ecosystems by reducing congestion & increasing size & abundance of species most likely to benefit from MPAs. (G3-O2)
- Help restore depleted species, such as near shore & deeper nearshore species. (G2-O1)
- Protect larval sources & enhance reproductive capacity of shelf species including rockfishes. (G2-O2)
- Protect area with diverse habitats & associated species including kelp forest ecosystems. (G1-O2)
- Protect natural heritage location while minimizing socioeconomic impacts to local communities. (G5-O1)
- Provide comparison analysis environment by providing SMR adjacent to SMCA across range of depths.

North Farallon Islands SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:

- Include a portion of unique tidal, subtidal, benthic & pelagic habitat of Farallones.
- Help protect concentrations of prey & foraging predators - fish & breeding colonies of seabirds & marine mammals - at highly productive & unique mix of habitats.
- Protect natural diversity & structure & function of unique marine ecosystem (G1-O1, G1-O5)
- Help assure continued recovery of ground fish (G2-O1)
- Enhance reproductive success of seabirds & marine mammals using islands (G2-O3)
- Increase supply of large adults & larval fish which can disperse to adjacent areas for fisheries harvest outside MPA (G3O2)
- Protects globally significant biological site. (G1-O1, G1-O2, G1-O3, G1-O4, G1-O5, G2-O1, G2-O3, G4-O1)

Southeast Farallon Island SMR

Proposed Regulations: Take of all living marine resources is prohibited

Specific Objectives:

- Allow natural ecosystem function in key portion of subregion. (G1-O5)
- Include portion of unique tidal, subtidal, benthic & pelagic habitat of Farallones. (G4-O1)

- Protect natural diversity and structure and function of unique marine ecosystem, increase rockfish larval production. (G1-O1, G2-O1, G2-O2)
- Help assure continued recovery of groundfish. (G2-O1)
- Enhance reproductive success of seabirds & marine mammals using islands. (G2-O3)
- Increase supply of large adults & larval fish which can disperse to adjacent areas for fisheries harvest outside MPA. (G3-O2)
- Protects globally significant biological site.

Southeast Farallon Island SMCA

Proposed Regulations: Take of all living marine resources is prohibited EXCEPT the recreational take of salmon by trolling and the commercial take of salmon with troll fishing gear

Specific Objectives:

- Protect benthic habitat and forage base for fish, birds and mammals at islands, while allowing salmon trolling. (G1-O2, G2-O3, G2-O4, G3-O2, G4-O1,G5-O1)
- Improve fish productivity in SMR to benefit local rockfish fishing outside MPA. (G3-O2)
- Protect nearshore reef species & habitats on which they depend while allowing commercial and/or recreational harvest of migratory, highly mobile, or other species where appropriate through use of a SMCA. (G2-O4)

[1] *Note: This area will initially be designated as an SMCA, though its regulations allow later change to SMP by the State Park and Recreation Commission.*